MAGNA REGIONAL PARK - PHASE I

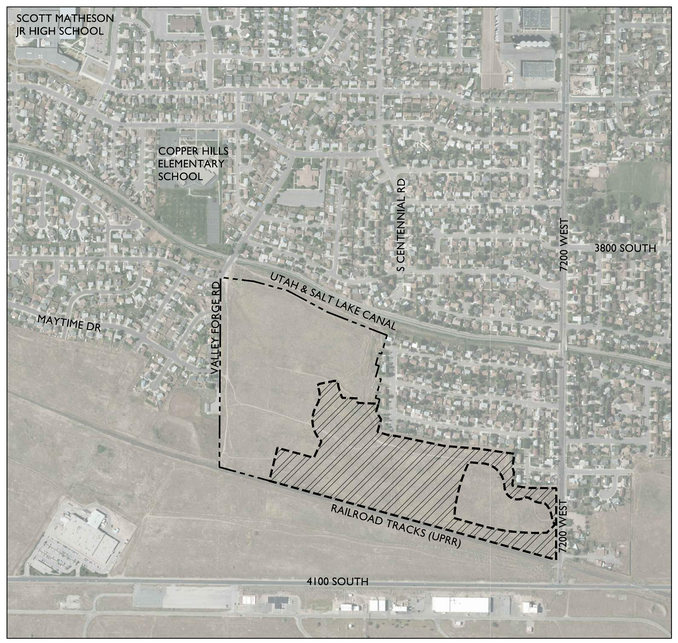
CONSTRUCTION DOCUMENTS - BID SET - VOLUME 1 OF 3

JUNE 6, 2019

Prepared for:

SALT LAKE COUNTY
PARKS & RECREATION

2001 South State Street, Suite S4-700
Salt Lake City, Utah 84114
(385) 468-1800



Project Area

4042 South 7200 West
Magna, Utah 84044

NORTH

APPLICABLE CODES	YEAR
International Fire Code	2015
International Plumbing Code	2014
International Fuel Gas Code	2015
International Building Code	2015
International Mechanical Code	2015
National Electrical Code	2014
International Energy Conservation Code	2015
ADA (ADAAG)	2010
Magna Township Over Pressure Zone Ordinance	Current

G.B:D
G.BROWN:DESIGN INC
SITE AND LANDSCAPE ARCHITECTS

610 East South Temple, Ste50
Salt Lake City, Utah 84102
p. 801.575.6066 f. 801.575.6166
www.gbrowndesign.com

DESIGN TEAM

Owner

Salt Lake County Parks and Recreation Division
2001 South State Street, Suite S4-700
Salt Lake City, Utah 84114
P: (385) 468-1817
Contact: Dustin Wiberg

Landscape Architect - Prime Consultant

G Brown Design Inc.
610 East South Temple, Suite 50
Salt Lake City , Utah 84102
P: (801) 575-6066
Contact: Andrew Noorlander

Civil Engineer

Perigee Consulting, L.L.C
9089 S. 1300 W., Suite 160
West Jordan, UT 84088
P: (801) 910-3395
F: (801) 590-6611
Contact: Jed Atherley

Electrical Engineer

Envision Engineering
240 E. Morris Ave, Suite 200
Salt Lake City, Utah 84115
P: (801) 534-1130
Contact: Alexsander Rankovic

Splash Pad

Water Design, Inc.
5047 South Galleria Drive
Salt Lake City, Utah 84123
P: (801) 261-4009
Contact: Brain Anderson

Architect

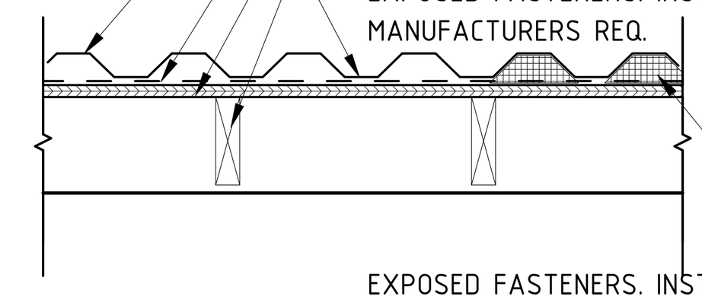
Range Architecture
1086 E 2100 S
Saltk Lake City, Utah 84106
P: (801) 694-9150
Contact: Derek Wilson

VOLUME 1 - SHEET INDEX

VOLUME 2 - SHEET INDEX

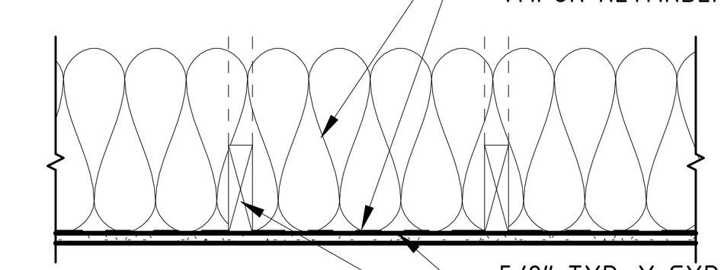
VOLUME 3 - SHEET INDEX

ROOF TYPES:


STANDING SEAM ROOF. SEE FINISH SCHEDULE.
HIGH TEMP. ICE & WATER SHEILD. TYP.
ROOF SHEATHING. SEE STRUCTURAL.
WOOD ROOF TRUSSES. SEE STRUCTURAL FOR SIZES/SPACING.
EXPOSED FASTENERS. INSTALLED PER MANUFACTURERS REQ.
EXPOSED FASTENERS. INSTALLED PER MANUFACTURERS REQ.

R1

CEILING TYPES:



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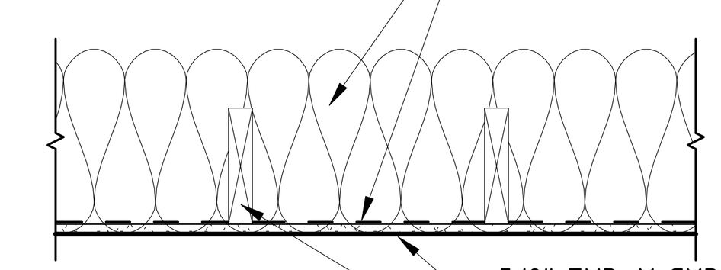

C2

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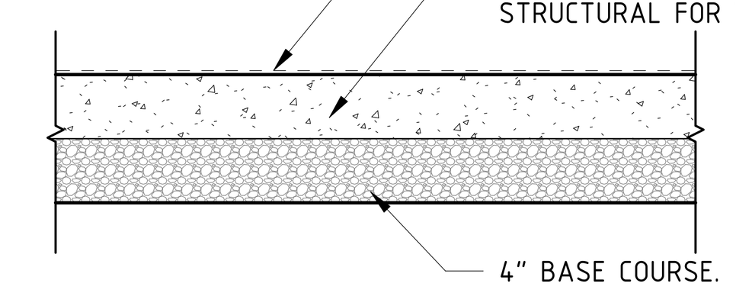
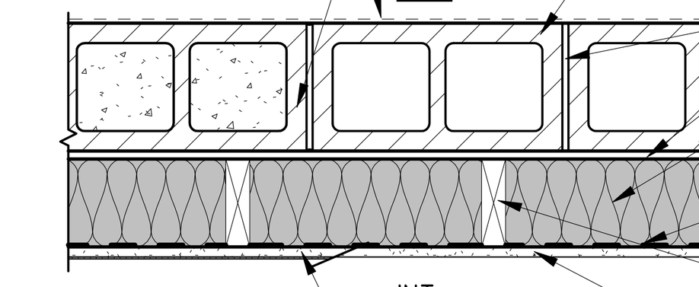
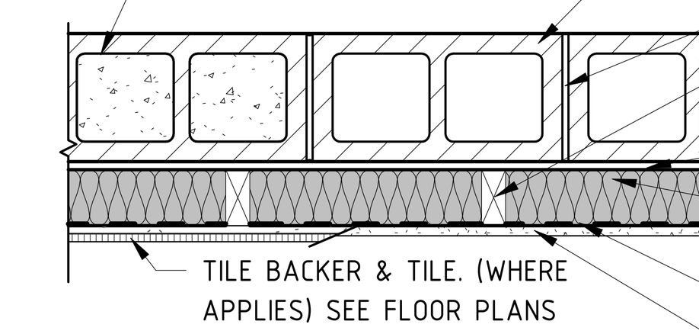


F1

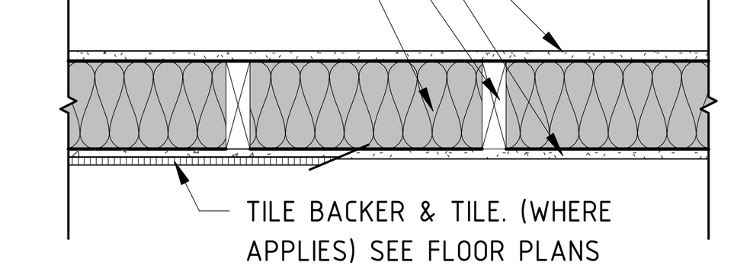
WALL TYPES:


BLOCK FILLER & PAINT. SEE FIN. SCHED.
MASONRY COLUMN WHERE OCCURS.
EXT.
8X8X16 CMU BLOCK W/ INTEGRAL WATER REPELLANT. SEE ELEVATIONS TO DETERMINE COMMON CMU OR SPLIT-FACED.
MORTAR
1/2" AIR GAP
R-21 UNFACED BATT. INSUL.
VAPOR RETARDER.
2X6 WOOD STUD @ 16" O.C.
5/8" TYP. X GYP. BD.
FRP. SEE PLANS FOR LOCATIONS AND HEIGHT.
INT.

A


MASONRY COLUMN WHERE OCCURS.
8X8X16 CMU BLOCK W/ INTEGRAL WATER REPELLANT. BLOCK FILLER AND PAINT.
MORTAR
2X4 WOOD STUD @ 16" O.C.
1/2" AIR GAP
R-13 UNFACED BATT. INSUL.
VAPOR RETARDER.
5/8" TYP. X GYP. BD.
TILE BACKER & TILE. (WHERE APPLIES) SEE FLOOR PLANS FOR LOCATIONS.

B



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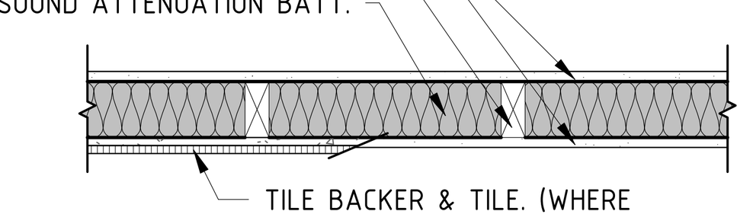

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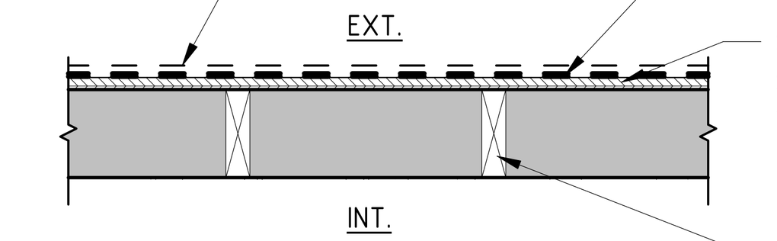

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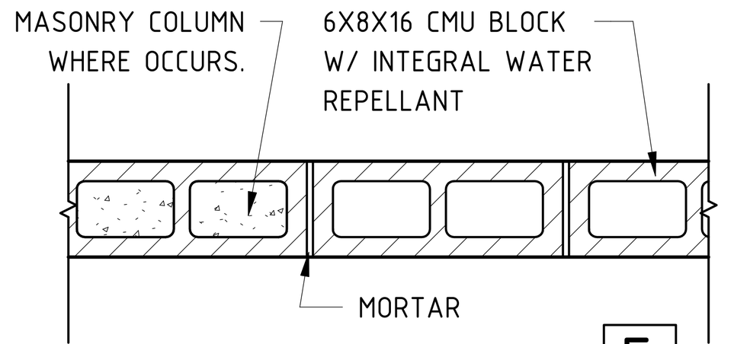

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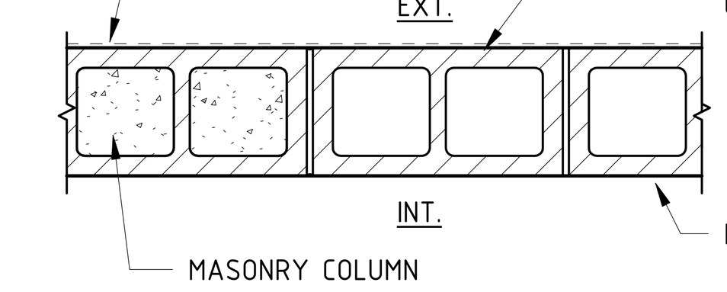


G

CONSTRUCTION DOCUMENTS - CONFORMED SET

G.B:D
G.BROWN:DESIGN INC
SITE AND LANDSCAPE ARCHITECTS
610 East South Temple, Ste 50
Salt Lake City, Utah 84102
p. 801.575.6066 f. 801.575.6166
www.gbrowndesign.com

- PREPARED FOR:

SALT LAKE COUNTY
PARKS & RECREATION

- CONSULTANTS:

RANGE
RANGE ARCHITECTURE | DESIGN
3745 EAST HERMES DRIVE SLC, UT 84124
WWW.RANGEARCHITECTURE.COM 801.694.9150

MAGNA REGIONAL PARK
PHASE 1

4042 SOUTH 7200 WEST
MAGNA, UTAH 84044

- REVISIONS:

△ ____
△ ____
△ ____
△ ____
△ ____

- STAMP

STATE OF UTAH
DEREK WILSON
6590963-0301
06.06.19
LICENSED ARCHITECT

- SHEET TITLE:
ASSEMBLY TYPES

- DATE: 7-22-19
- DRAWN BY: CKG
- CHECKED BY: DW
- JOB NO.: U17-021

- SHEET NO:

AE001

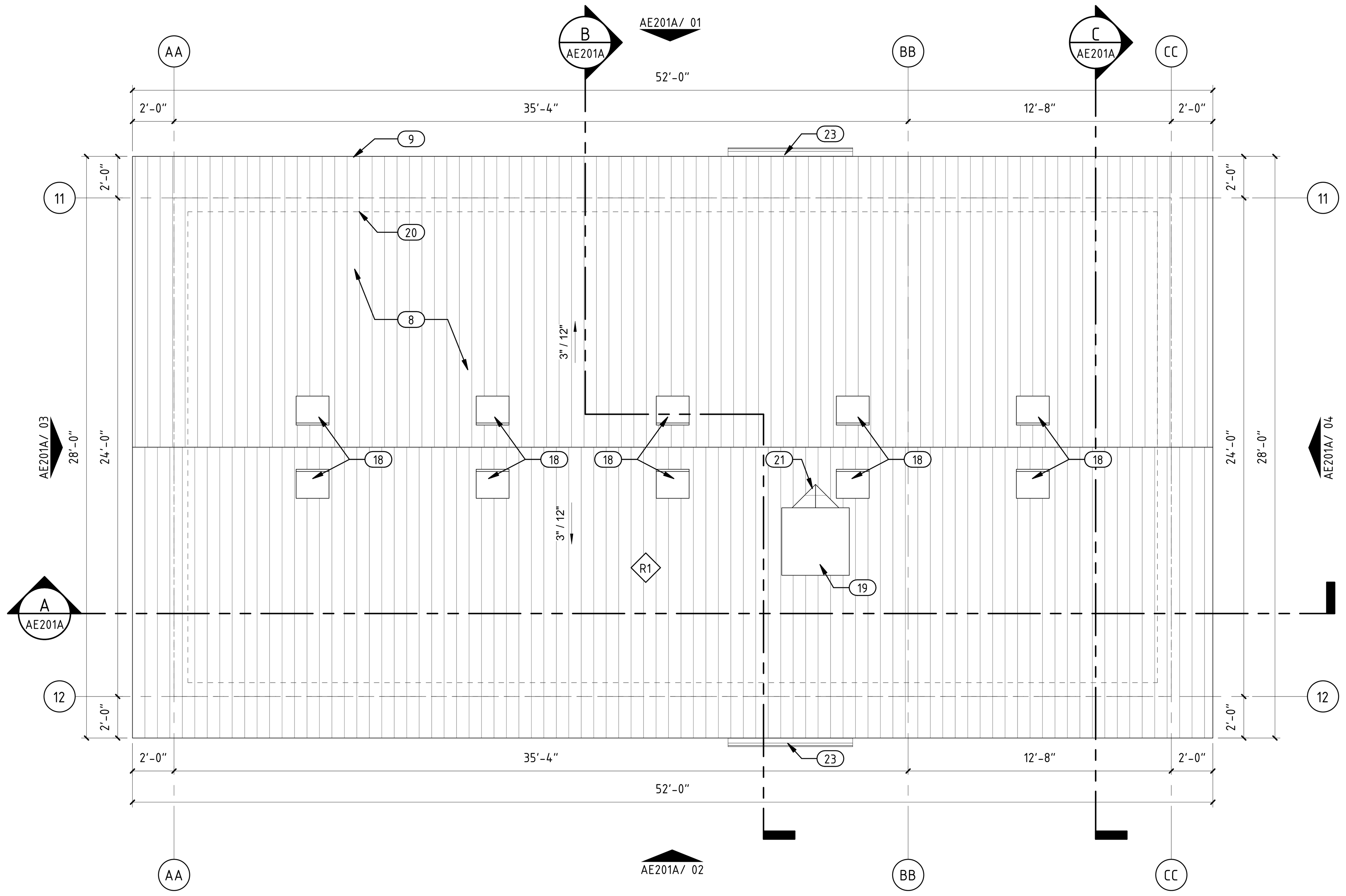
REVIEWED FOR CODE COMPLIANCE
FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW.

[✓ BUILDING] [✓ STRUCTURAL]
[✓ MECHANICAL] [✓ PLUMBING]
[✓ ELECTRICAL] [✓ ENERGY]
[✓ ACCESSIBILITY] ☐ FIRE

PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE, OR LOCAL REGULATIONS.

BY: [illegible] DATE: 11/13/19

WEST COAST CODE CONSULTANTS, INC.



MAINT. BLDG. - ROOF PLAN 03 AE101A
SCALE: 1/4" = 1'-0"

MAINT. BLDG. - ATTIC VENT CALCS:

*	ATTIC CALCULATION: 1/150 S.F. RULE	
	VENTILATED ATTIC AREA=	1,152 SF
*	VENTILATION REQUIRED: 1,152/150=	7.68 SF
	ROOF VENTILATION REQ.=	3.84 SF
	EAVE VENTILATION REQ.=	3.84 SF
*	ROOF VENT OPTION:	
	16" X 19" VENT 61 SI	
	10 X 61 SI (0.42 SF)=	4.20 SF
*	EAVE VENT (5.87 SI PER SF):	
	104 L.F. X 5.87 SI (0.0408 SF)=	4.24 SF
*	TOTAL VENTILATION=	8.44 SF

GENERAL NOTES AND LEGEND:

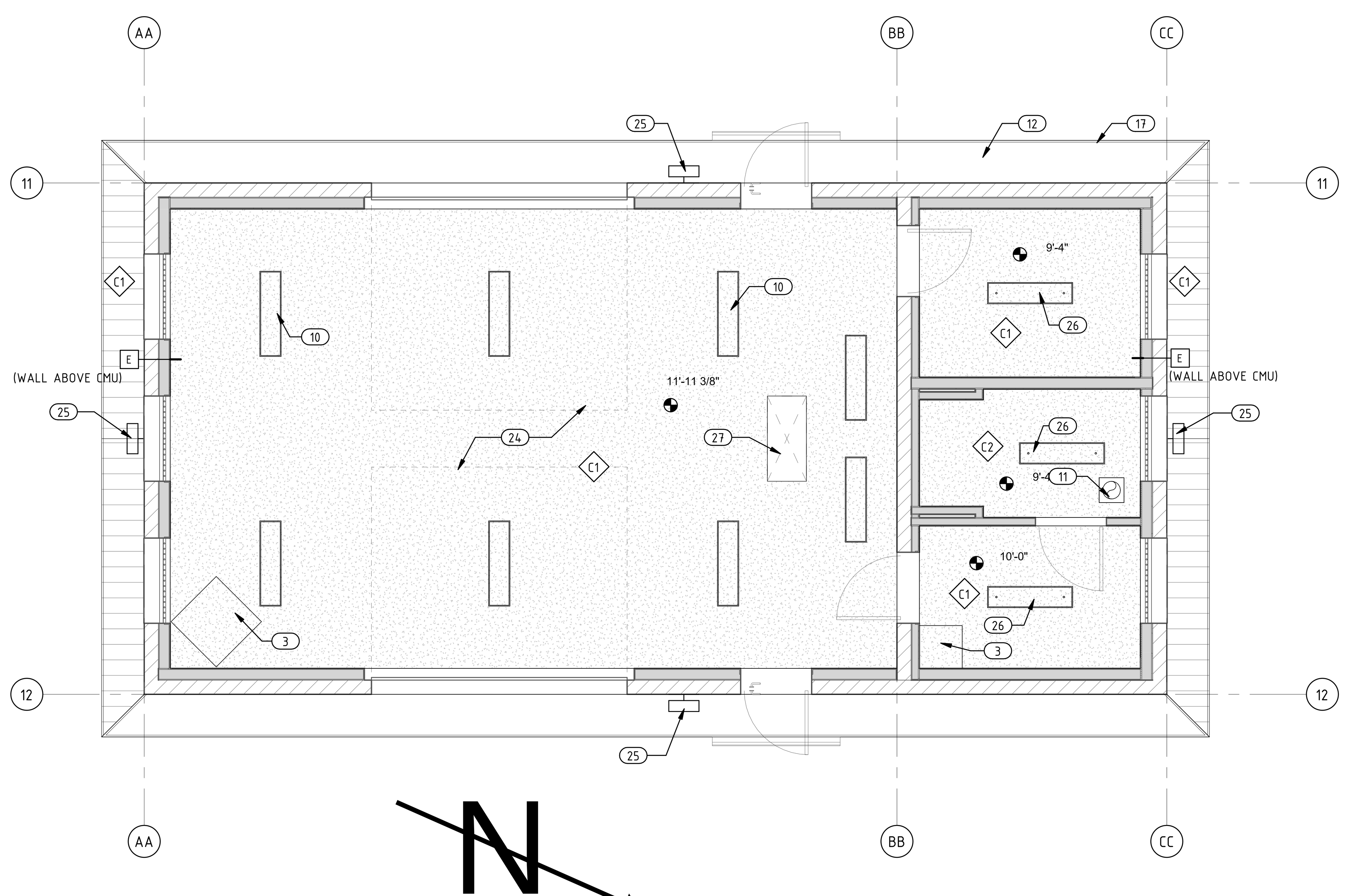
- SEE SHEET AE001 FOR GENERAL NOTES.
- SEE TITLE SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

KEYED NOTES:

1 4" CONCRETE SLAB ON VAPOR BARRIER ON 4" BASE COURSE.
2 PRE-FINISHED METAL LOCKERS. OWNER PROVIDED, OWNER INSTALLED.
3 HEATER PLATFORM. HUNG FROM STRUCTURE ABOVE. SEE DETAIL AE401.
4 6" DIA. STEEL PIPE BOLLARD, SEE DETAILS.
5 POWERED OVERHEAD DOOR. SEE DOOR SCHEDULE ON AE601 AND ELECTRICAL PLANS.
6 DOOR. SEE DOOR SCHEDULE ON AE601.
7 TRENCH DRAIN.
8 PRE-FINISHED STANDING SEAM METAL ROOFING OVER FULL ICE & WATER SHIELD. TYPICAL AT STANDING SEAM ROOF.
9 METAL FASCIA WRAP W/CONT. DRIP EGE . MATCH ROOF COLOR.
10 SURFACE MOUNTED LIGHTING FIXTURE. SEE ELECTRICAL DRAWINGS.
11 EXHAUST FAN. SEE MECHANICAL DRAWINGS.
12 PREFINISHED VENTED ALUMINUM SOFFIT. SEE CALCS.
13 SEE LANDSCAPE SHEETS FOR WALKS AROUND BUILDING.
14 5" CONCRETE SLAB ON VAPOR BARRIER ON 4" BASE COURSE.
15 FLOOR DRAIN.
16 FIRE EXTINGUISHER IN WALL MOUNTED CABINET.
17 PRE-FINISHED METAL WRAP FASCIA - MATCH ROOF COLOR.
18 ROOF VENT - 50 SQ. INCHES OF NET FREE AIR. INSTALL BETWEEN ROOFING RIBS AND TRUSSES.
19 ROOF TOP SWAMP COOLER. SEE MECHANICAL PLANS.
20 DASHED LINE REPRESENTS BUILDING LINE BELOW.
21 CRICKET.
22 PROVIDE GAP IN WALL TYPE A TO ALLOW SPACE FOR SECTIONAL DOOR FRAME.
23 PREFINISHED ALUMINUM GUTTER. NO DOWNSPOUT.
24 AIR TIGHT CONSTRUCTION AT DRYWALL CEILING & WALLS.
25 WALL MOUNTED LIGHT. SEE ELECTRICAL.
26 PENDANT MOUNTED LIGHTING FIXTURE AT 9'-0". SEE ELECTRICAL DRAWINGS.
27 ATTIC ACCESS. SEE ACCESS. SCHED.
28 (1) ADA ACCESSIBLE METAL LOCKER. THIS INCLUDES CLEAR FLOOR SPACE OF 48"X30", ACCESSIBLE REACH RANGE AS SHOWN ON G1002 UNOBSTRUCTED REACH AND OPERABLE PARTS FOR THE LOCKER (AND LOCK IF PROVIDED) AS INDICATED IN SECTION 309 OF ICC A117.1-09. OWNER PROVIDED, OWNER INSTALLED.

Permit Numbers

191130 - Maintenance Building
190726 - Restroom & Pump House



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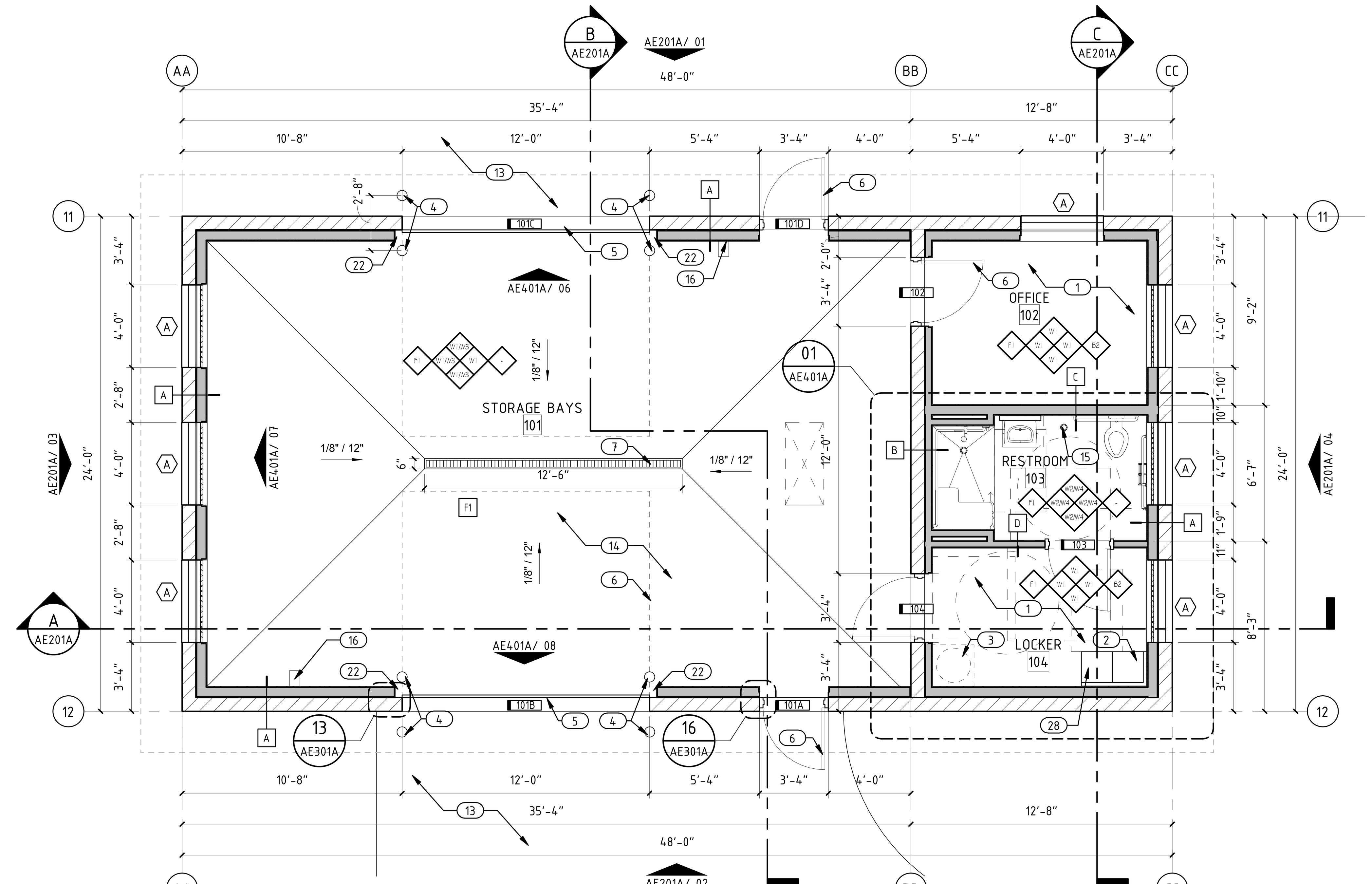

MAINT. BLDG. - FLOOR PLAN 01 AE101A
SCALE: 1/4" = 1'-0"

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PHASE 1

4042 SOUTH 7200 WEST
MAGNA, UTAH 84044

CONSTRUCTION DOCUMENTS - CONFORMED SET

■ REVISIONS:

1	ASI #1	10-18-19
-	-	-
-	-	-
-	-	-
-	-	-

■ STAMP

STATE OF UTAH
DEREK WILSON
6590963-0301
06.06.19
LICENSED ARCHITECT

■ SHEET TITLE:

MAINT. BLDG. FLOOR PLANS

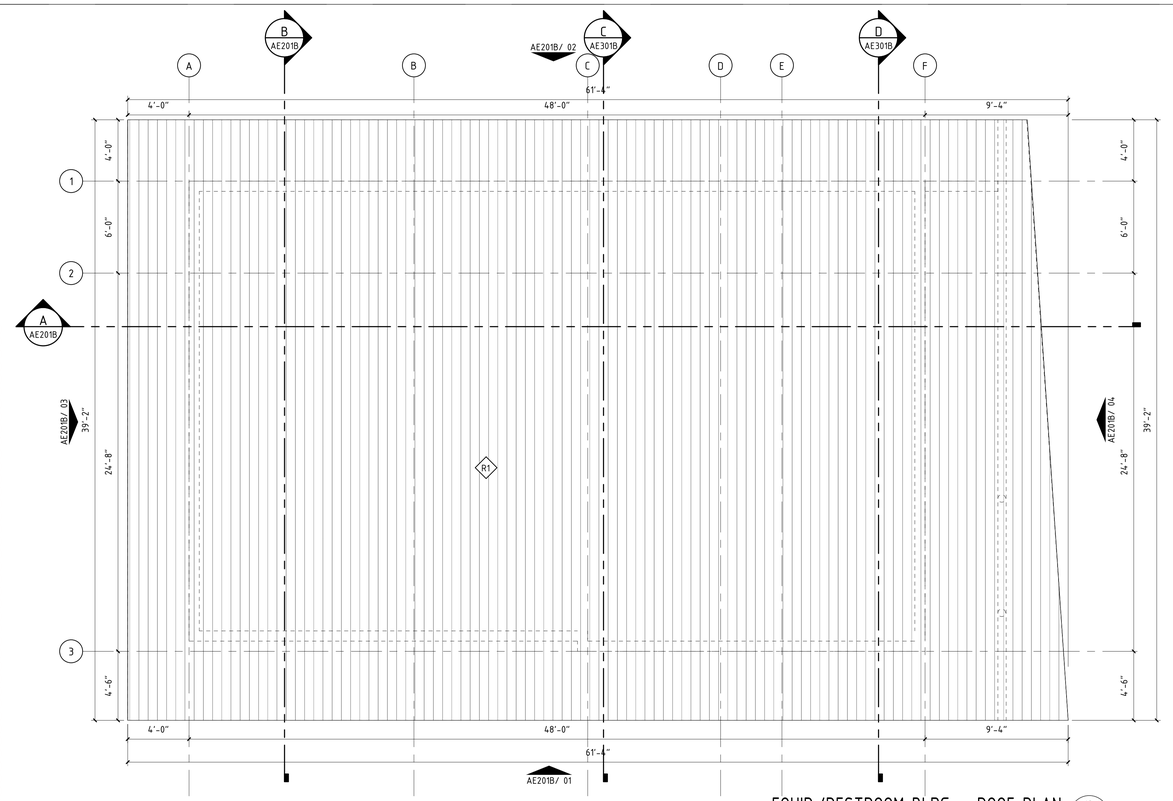
■ DATE: 7-22-19
■ DRAWN BY: CKG
■ CHECKED BY: DW
■ JOB NO.: U17-021

■ SHEET NO:

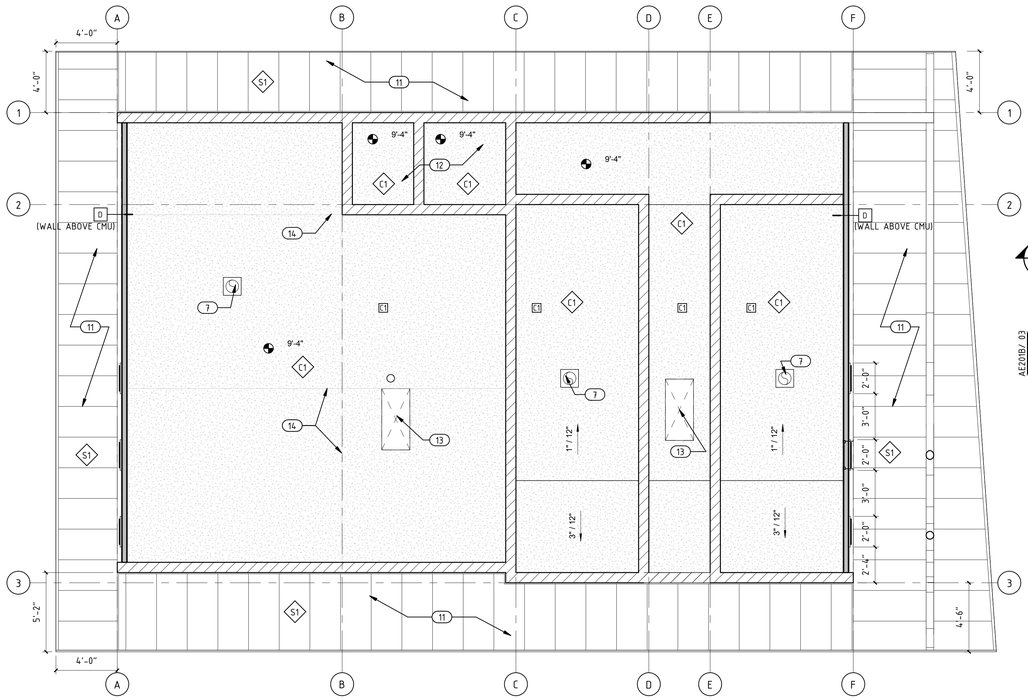
AE101A

REVIEWED FOR CODE COMPLIANCE
FOR COMPLIANCE WITH APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW:
[X] BUILDING [X] STRUCTURAL
[X] MECHANICAL [X] PLUMBING
[X] ELECTRICAL [X] ENERGY
[X] ACCESSIBILITY [ ] FIRE
PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE, OR LOCAL REGULATIONS.
BY: _____ DATE: 11/13/19
WEST COAST CODE CONSULTANTS, INC.

Permit Numbers
191130 - Maintenance Building
190726 - Restroom & Pump House



EQUIP./RESTROOM BLDG. - ROOF PLAN
SCALE: 1/4" = 1'-0" (03 AE101B)



EQUIP./RESTROOM BLDG. - CEILING PLAN
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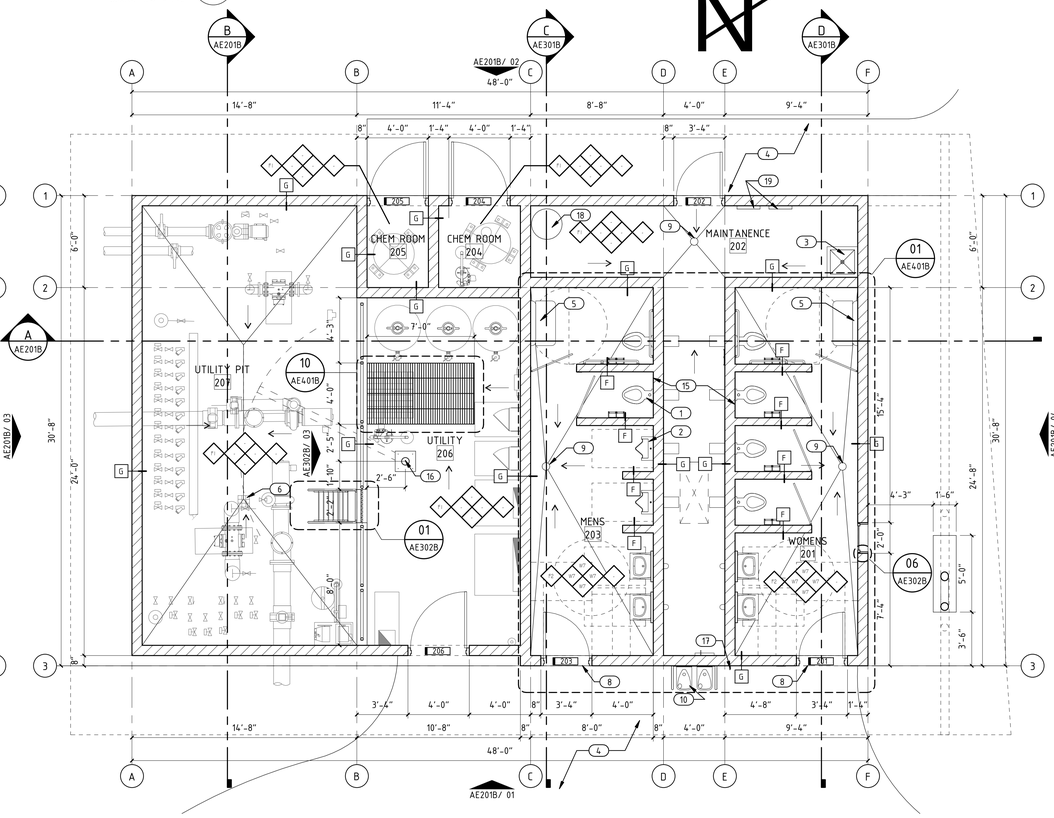

EQUIP./RESTROOM BLDG. - FLOOR PLAN
SCALE: 1/4" = 1'-0" (01 AE101B)

EQUIP./RESTROOM - ATTIC VENT CALCS:

* ATTIC CALCULATION: 1/150 S.F. RULE
  VENTILATED ATTIC AREA= 1,352 SF
* VENTILATION REQUIRED: 1,352/150= 9.01 SF
  GABLE VENTILATION REQ.= 4.51 SF
  EAVE VENTILATION REQ.= 4.51 SF
* GABLE VENT OPTION
  24" X 14" VENT (.97 SF)
  6 X .89 SF= 5.34 SF
* EAVE VENT (24.8 S.I. PER 1.0 LF):
  31 L.F. X 24.8 S.I. (.172 SF)= 5.33 SF
* TOTAL VENTILATION= 10.37 SF

GENERAL NOTES AND LEGEND:

- SEE SHEET AE001 FOR GENERAL NOTES.
- SEE TITLE SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

KEYED NOTES:

1. WALL HUNG TOILET. SEE PLUMBING DRAWINGS.
2. WALL HUNG URINAL. SEE PLUMBING DRAWINGS.
3. MOP SINK W/ 48" X 48" FRP PANEL. STAINLESS STEEL MOP RACK & SHELF ABOVE. SEE PLUMBING DRAWINGS.
4. CONCRETE PAVING. PROVIDE EXPANSION JOINT AT FOUNDATION WALLS. TYP. SEE CIVIL DRAWINGS IN APPROVED PARK DRAWINGS.
5. CHANGING TABLE. TO BE MOUNTED 48" MAX ABOVE F.F. TO ALSO BE ACCORDANCE WITH SECTIONS 308 AND 309.3 OF ICC A117.1-09. TYP.
6. 18"X18"X24" SUMP W/ DRAIN WITH 1"X1" RECESSED AT PERIMETER FOR RECESSED GALVANIZED 1" GRATE. SEE PLUMBING DRAWINGS.
7. EXHAUST FAN. SEE MECHANICAL DRAWINGS.
8. NO THESHOLD. TYPICAL ON BATHROOM DOORS,
9. FLOOR DRAIN. SLOPE CONC. TO DRAIN. SEE PLUMBING DRAWINGS.
10. STAINLESS STEEL DRINKING FOUNTAIN. SEE PLUMBING DRAWINGS. ALSO SEE SHEET G1003 FOR ADA MOUNTING HEIGHTS.
11. ALUMINUM SOFFIT AND ALUMINUM FASCIA.
12. AIR TIGHT CONSTRUCTION. TYP. AT CHEM ROOMS.
13. ATTIC ACCESS. SEE ACCESS. SCHED.
14. GYP. BRD. EXPANSION JOINTS.
15. THE CMU BEHIND TOILETS NEED TO BE FLUSH TO THE CONCRETE. TYP.
16. FLOOR CRANE LOCATION. SEE STRUCTURAL AND ACCESSORIES SCHEDULE.
17. REMOVABLE KEY HOSE BIB A RECESS BOX. SEE PLUMBING.
18. EXPANSION TANK. SEE PLUMBING PLANS.
19. IRRIGATION CONTROLS. SEE ELECTRICAL PLANS.

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MAGNA, UTAH 84044

REVISIONS:

1	ASI #1	10-18-19
-	-	-
-	-	-
-	-	-
-	-	-

STAMP
STATE OF UTAH · DEREK WILSON · 6590853-3301 · 06.06.19 · LICENSED ARCHITECT

SHEET TITLE:
EQUIP./RESTROOM BLDG. PLANS

DATE: 7-22-19
DRAWN BY: CKG
CHECKED BY: DW
JOB NO.: U17-021

SHEET NO:
AE101B

CONSTRUCTION DOCUMENTS - CONFORMED SET

REVIEWED FOR CODE COMPLIANCE
FOR COMPLIANCE WITH APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW:
☒ BUILDING ☒ STRUCTURAL
☒ MECHANICAL ☒ PLUMBING
☒ ELECTRICAL ☒ ENERGY
☒ ACCESSIBILITY ☐ FIRE
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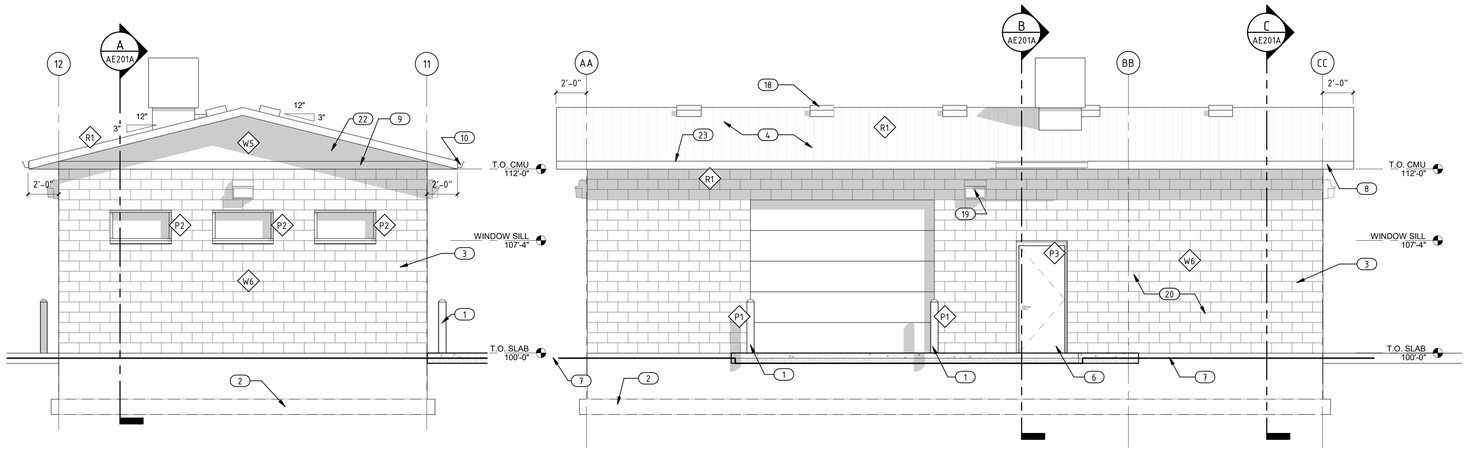
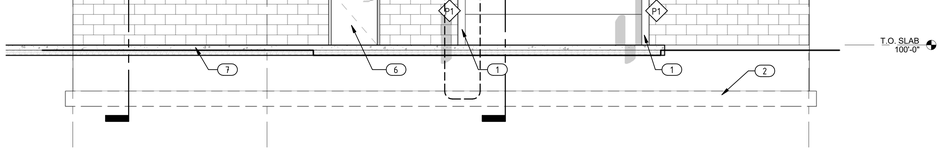
BY: _____ DATE: 11/13/19
WEST COAST CODE CONSULTANTS, INC.



MAINT. BLDG. - ELEVATION 03 (04 AE201A)
SCALE: 1/4" = 1'-0"

MAINT. BLDG. - ELEVATION 02 (02 AE201A)
SCALE: 1/4" = 1'-0"



MAINT. BLDG. - ELEVATION 01 (01 AE201A)
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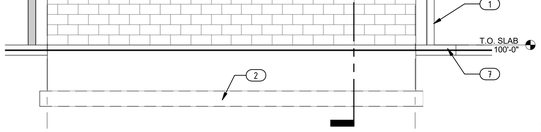
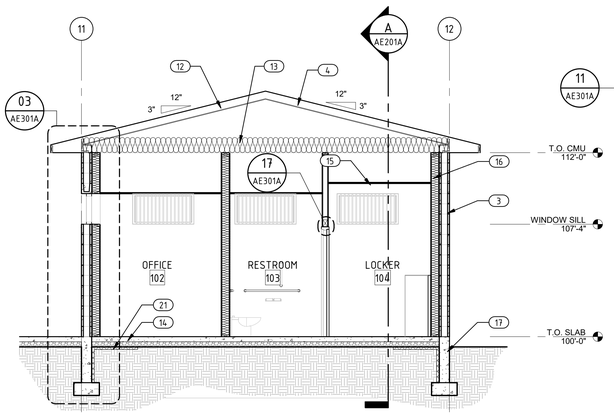
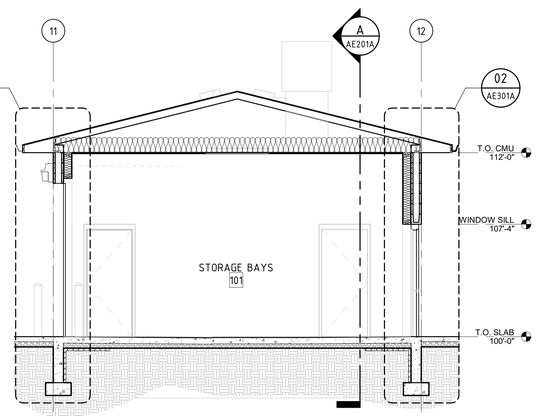


MAINT. BLDG. - ELEVATION 04 (03 AE201A)
SCALE: 1/4" = 1'-0"

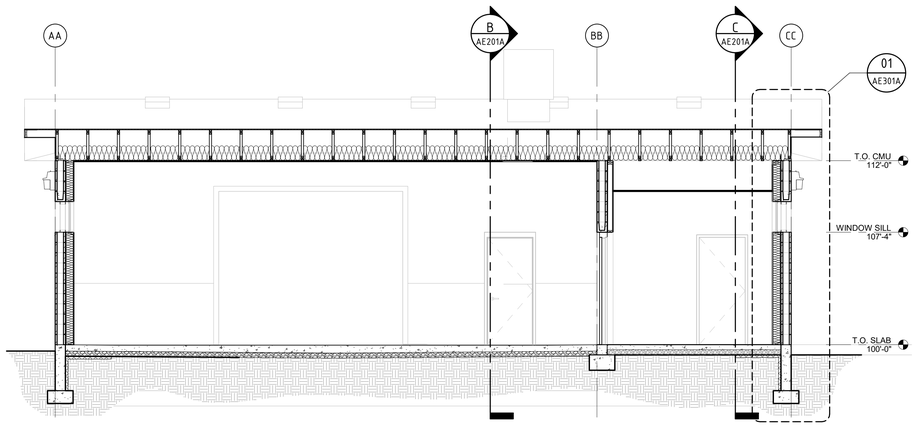
FOOTING EXCAVATIONS SHALL BE INSPECTED AND APPROVED IN WRITING BY A QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT
Reviewed by Greg Baptist **Date** 11/21/2019



SECTION C (C AE201A)
SCALE: 1/4" = 1'-0"



SECTION B (B AE201A)
SCALE: 1/4" = 1'-0"



SECTION A (A AE201A)
SCALE: 1/4" = 1'-0"

GENERAL NOTES AND LEGEND:

- SEE SHEET AE001 FOR GENERAL NOTES.
- SEE TITLE SHEET FOR DRAWING INDEX.
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KEYED NOTES:

1. 6" DIA. STEEL PIPE BOLLARD, SEE DETAILS.
2. STRUCTURAL FOUNDATION AND FOOTING, SEE STRUCTURAL.
3. SCHEDULED WALL TYPE. PAINTED & ANTI GRAFITTI SEALER.
4. PRE-FINISHED STANDING SEAM METAL ROOFING OVER FULL ICE & WATER SHIELD. TYPICAL AT STANDING SEAM ROOF.
5. ALUMINUM SOFFIT AND ALUMINUM FASCIA.
6. DOOR. SEE DOOR SCHEDULE ON AE601.
7. CONCRETE PAVING. SEE CIVIL DRAWINGS.
8. PRE-FINISHED METAL WRAP FASCIA - MATCH ROOF COLOR.
9. 6" TRIM. TO MATCH STUCCO.
10. PREFINISHED ALUMINUM GUTTER. NO DOWNSPOUT.
11. WINDOW. SEE WINDOW SCHEDULE.
12. PREFABRICATED WOOD TRUSSES. PROVIDE 2X6 TOP CORD. SEE STRUCTURAL DRAWINGS.
13. R-42 BATT INSULATION OVER CONTINUOUS VAPOR RETARDER. TYP. IN CEILING.
14. 4" CONCRETE SLAB ON VAPOR BARRIER ON 4" BASE COURSE.
15. SCHEDULED CEILING FINISH, REFER TO FINISH SCHEDULE.
16. R-21 BATT INSULATION. TYP. IN EXTERIOR WALLS.
17. CIP FOOTING AND FOUNDATION WALL W/ DAMPROOFING. SEE STRUCTURAL FOR DESIGN AND DEPTH. TYP.
18. ROOF VENT - 50 SQ. INCHES OF NET FREE AIR. INSTALL BETWEEN ROOFING RIBS AND TRUSSES.
19. WALL MOUNTED LIGHT. SEE ELECTRICAL.
20. OVERHEAD DOOR. SEE DOOR SCHEDULE.
21. 2" EPS INSULATION.
22. HARD COATED STUCCO. SEE FINISH SCHEDULE.
23. NEOPRENE METAL ROOFING INSERTS AT ROOF VOID. TYP.

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MAGNA REGIONAL PARK PHASE 1

4042 SOUTH 7200 WEST
MAGNA, UTAH 84044

REVISIONS:

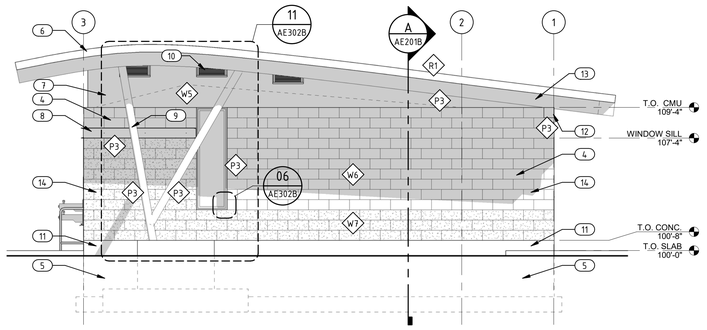
STAMP
STATE OF UTAH
SHEREN WILSON
6590833-0301
06.06.19
LICENSED ARCHITECT

SHEET TITLE:
MAINT. BLDG.
ELEVATIONS & SECTIONS

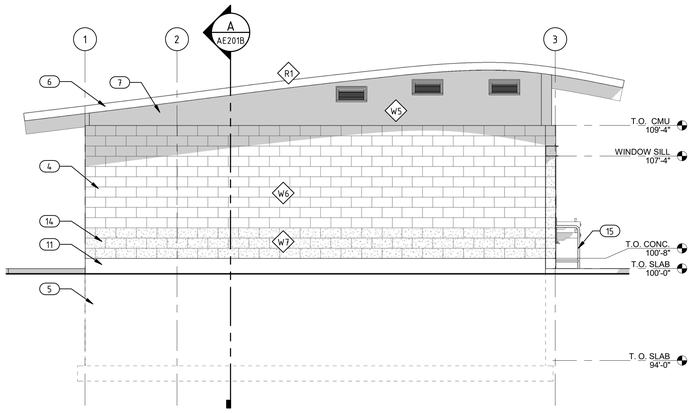
DATE:	7-22-19
DRAWN BY:	CKG
CHECKED BY:	DW
JOB NO.:	U17-021

SHEET NO:
AE201A

CONSTRUCTION DOCUMENTS - CONFORMED SET



EQUIP./RESTROOM BLDG. - ELEVATION 04
SCALE: 1/4" = 1'-0" AE201B



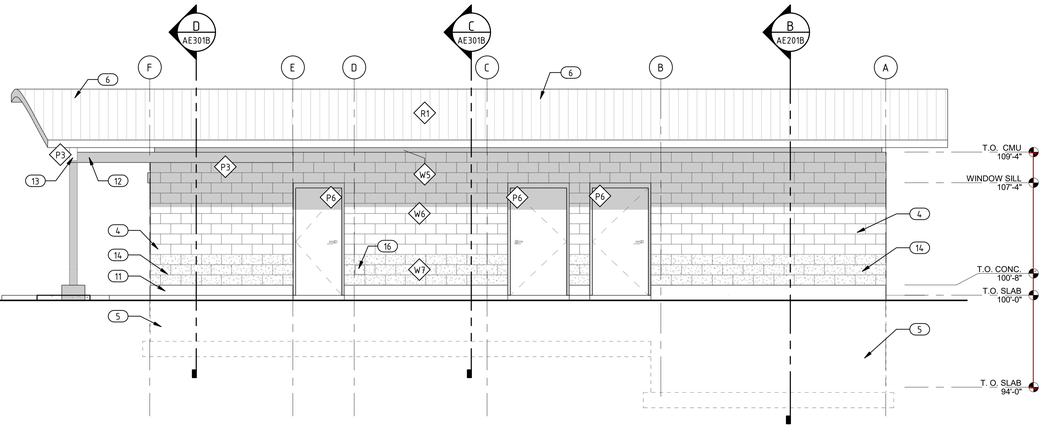
EQUIP./RESTROOM BLDG. - ELEVATION 03
SCALE: 1/4" = 1'-0" AE201B

GENERAL NOTES AND LEGEND:

- SEE SHEET AE001 FOR GENERAL NOTES.
- SEE TITLE SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

KEYED NOTES:

1 CONCRETE PAVING. SEE CIVIL DRAWINGS.
2 EXPANSION JOINT W/POURABLE CAULK AT EXTERIOR. TYP.
3 FACE OF GYP. BD. 1" FROM FACE OF CMU.
4 COMMON CMU. SEE WALL TYPES AND FINISH SCHEDULE. TYP.
5 CIP FOOTING AND FOUNDATION WALL W/ DAMPROOFING. SEE STRUCTURAL FOR DESIGN AND DEPTH. TYP.
6 PRE-FINISHED STANDING SEAM METAL ROOFING OVER FULL ICE & WATER SHIELD. TYPICAL AT STANDING SEAM ROOF.
7 HARD COATED STUCCO. SEE FINISH SCHEDULE.
8 C8 STEEL CHANNEL. ANCHOR WITH MASONRY ANCHORS BOLTS 32" O.C.
9 6" STEEL COLUMN. SEE FINISH SCHEDULE FOR COLOR.
10 METAL ATTIC VENT W/INSECT SCREEN PAINT TO MATCH STEEL STRUCTURE COLOR. SEE VENT CALCS.
11 CEMENTITIOUS PLASTER AT EXPOSED FOUNDATION WALLS.. TYP.
12 EXPOSED METAL BEAM. SEE STRUCTURAL FOR SIZE.
13 STRUCTURAL ARCHED GLULAM. TO BE WRAPPED IN BREAK METAL AND PAINTED. SEE FINISH SCHEDULE AND STRUCTURAL.
14 SPLIT FACE CMU, SHOWN HATCHED. SEE WALL TYPES AND FINISH SCHEDULE. TYP.
15 ADA WALL TO FLOOR GRAB BAR FOR DRINKING FOUNTAIN, STAINLESS STEEL.
16 REMOVABLE KEY HOSE BIB A RECESS BOX. SEE PLUMBING.



RESTROOM BLDG. - ELEVATION 02
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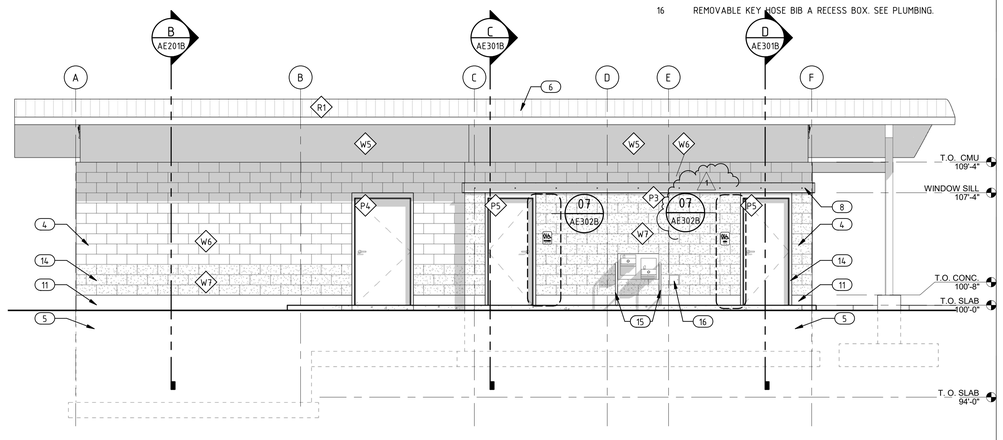
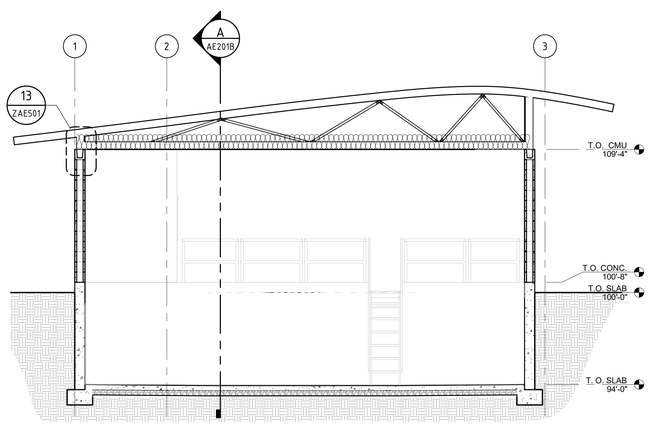
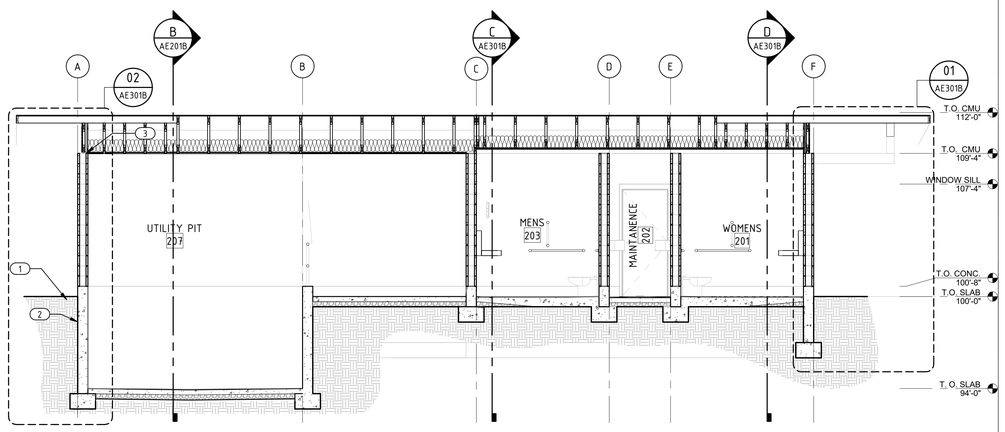


EQUIP./RESTROOM BLDG. - ELEVATION 01
SCALE: 1/4" = 1'-0" AE201B



SECTION B B
SCALE: 1/4" = 1'-0" AE201B



SECTION A A
SCALE: 1/4" = 1'-0" AE201B

CONSTRUCTION DOCUMENTS - CONFORMED SET

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MAGNA REGIONAL PARK
PHASE 1
4042 SOUTH 7200 WEST
MAGNA, UTAH 84044

REVISIONS:

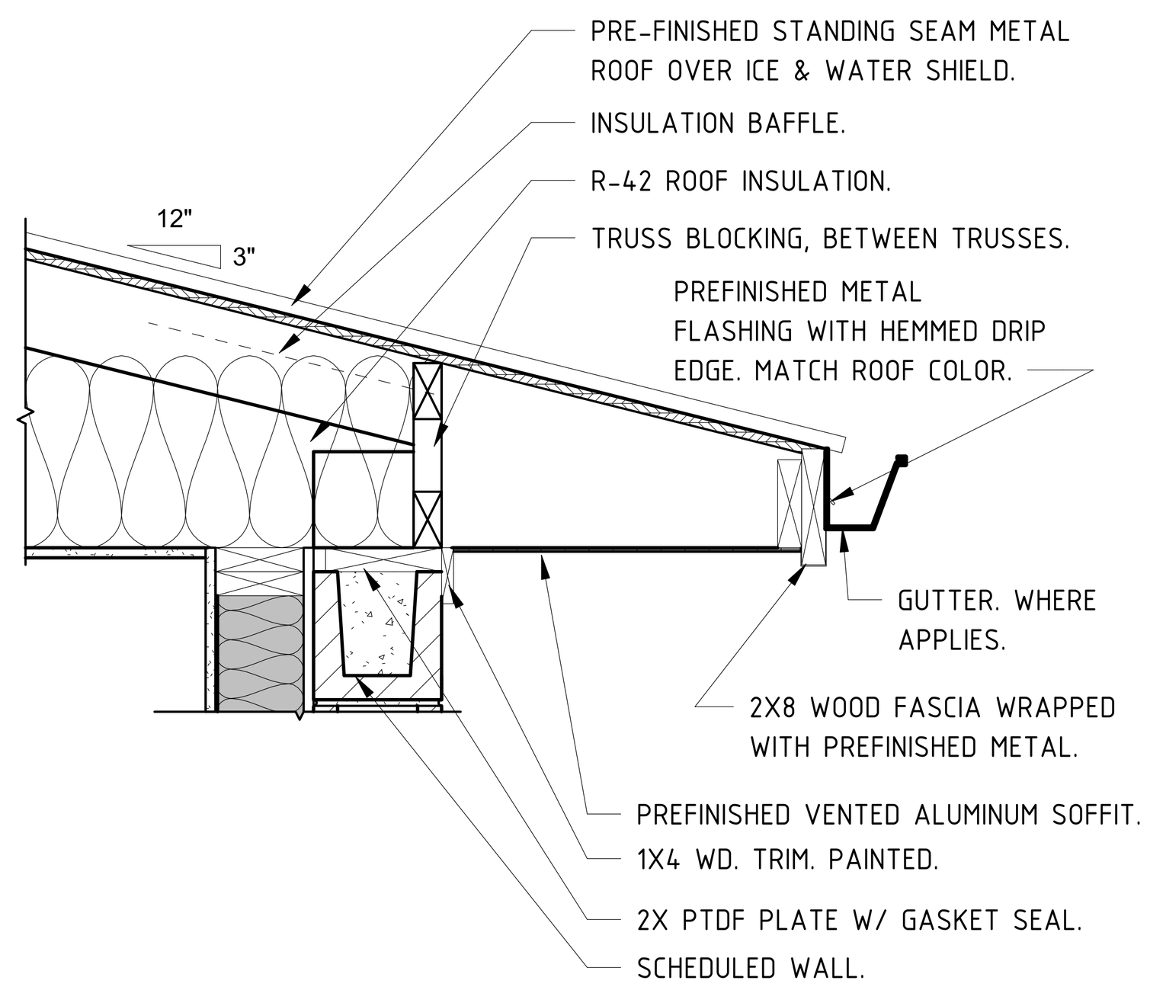
1	ASI #1	10-18-19
2	-	-
3	-	-
4	-	-
5	-	-

STAMP
STATE OF UTAH
DEREK WILSON
6590883-0301
06.06.19
LICENSED ARCHITECT

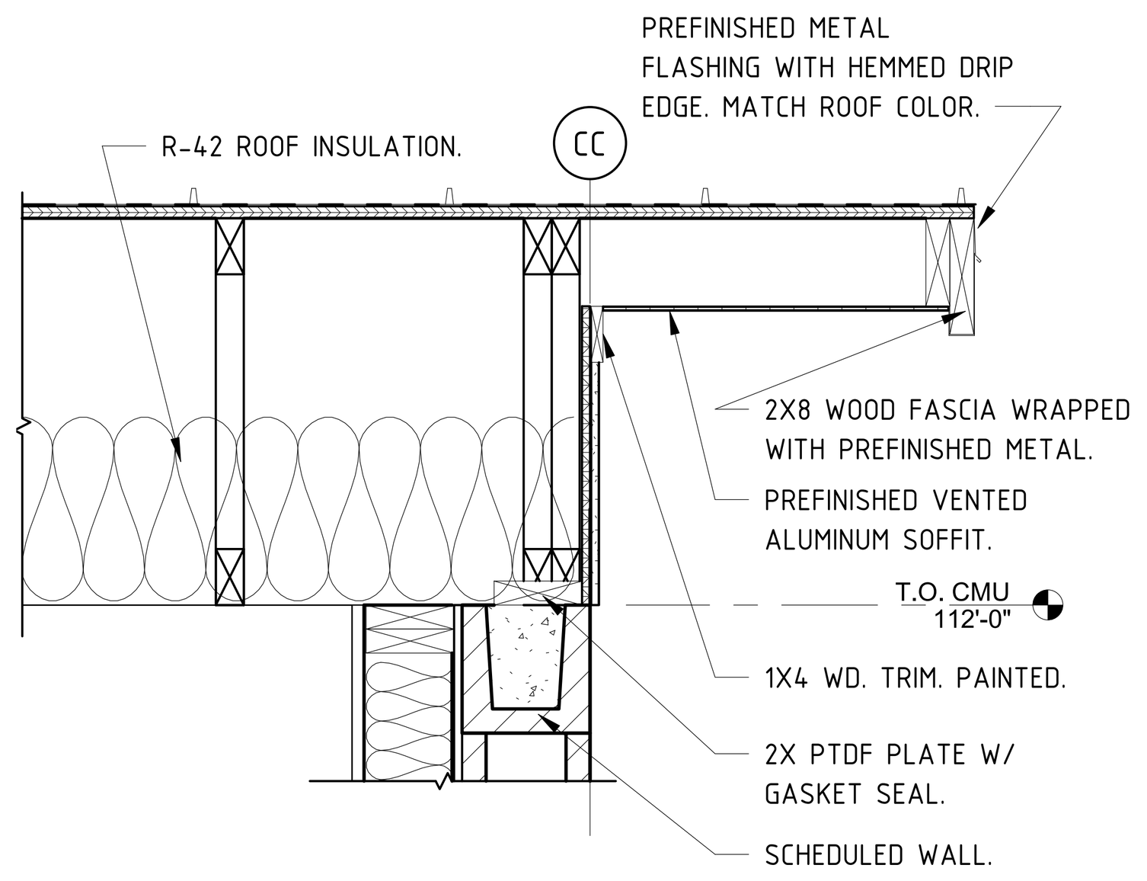
SHEET TITLE:
EQUIP./RESTROOM BLDG. ELEVATIONS & SECTIONS

DATE:	7-22-19
DRAWN BY:	CKG
CHECKED BY:	DW
JOB NO.:	U17-021

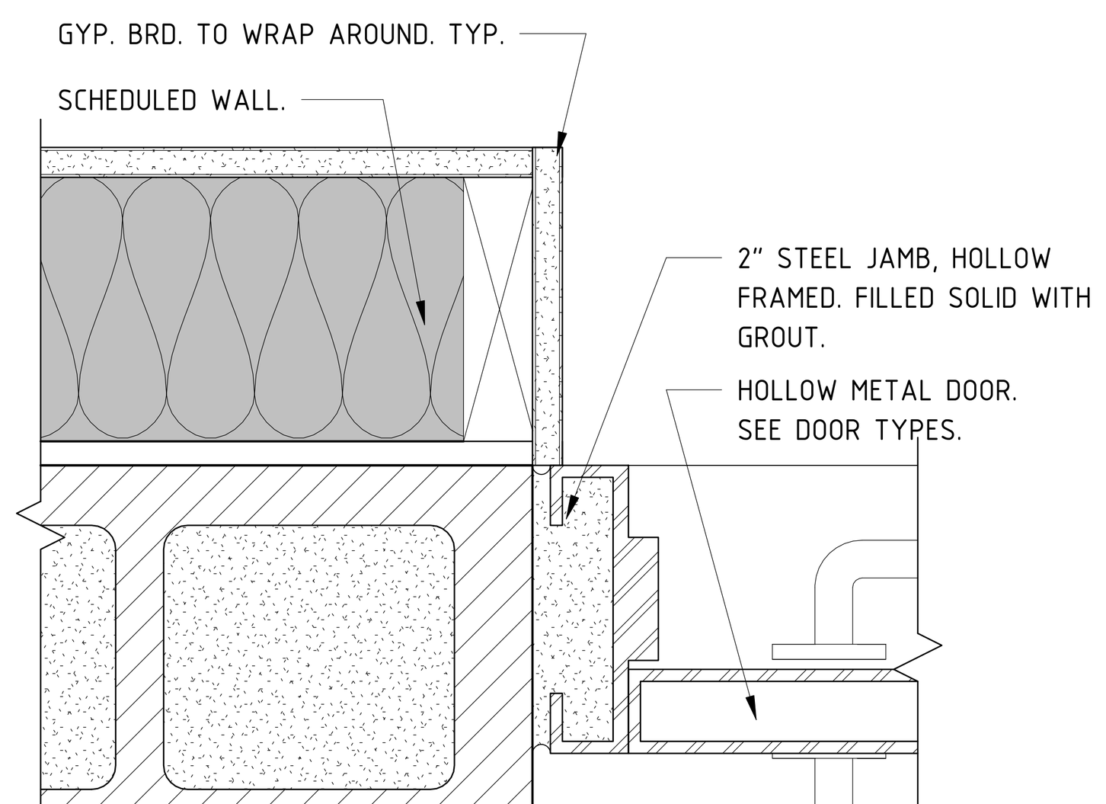
SHEET NO:
AE201B


PRE-FINISHED STANDING SEAM METAL ROOF OVER ICE & WATER SHIELD.
INSULATION BAFFLE.
R-42 ROOF INSULATION.
TRUSS BLOCKING, BETWEEN TRUSSES.
12"
3"
PREFINISHED METAL FLASHING WITH HEMMED DRIP EDGE. MATCH ROOF COLOR.
GUTTER. WHERE APPLIES.
2X8 WOOD FASCIA WRAPPED WITH PREFINISHED METAL.
PREFINISHED VENTED ALUMINUM SOFFIT.
1X4 WD. TRIM. PAINTED.
2X PTDF PLATE W/ GASKET SEAL.
SCHEDULED WALL.

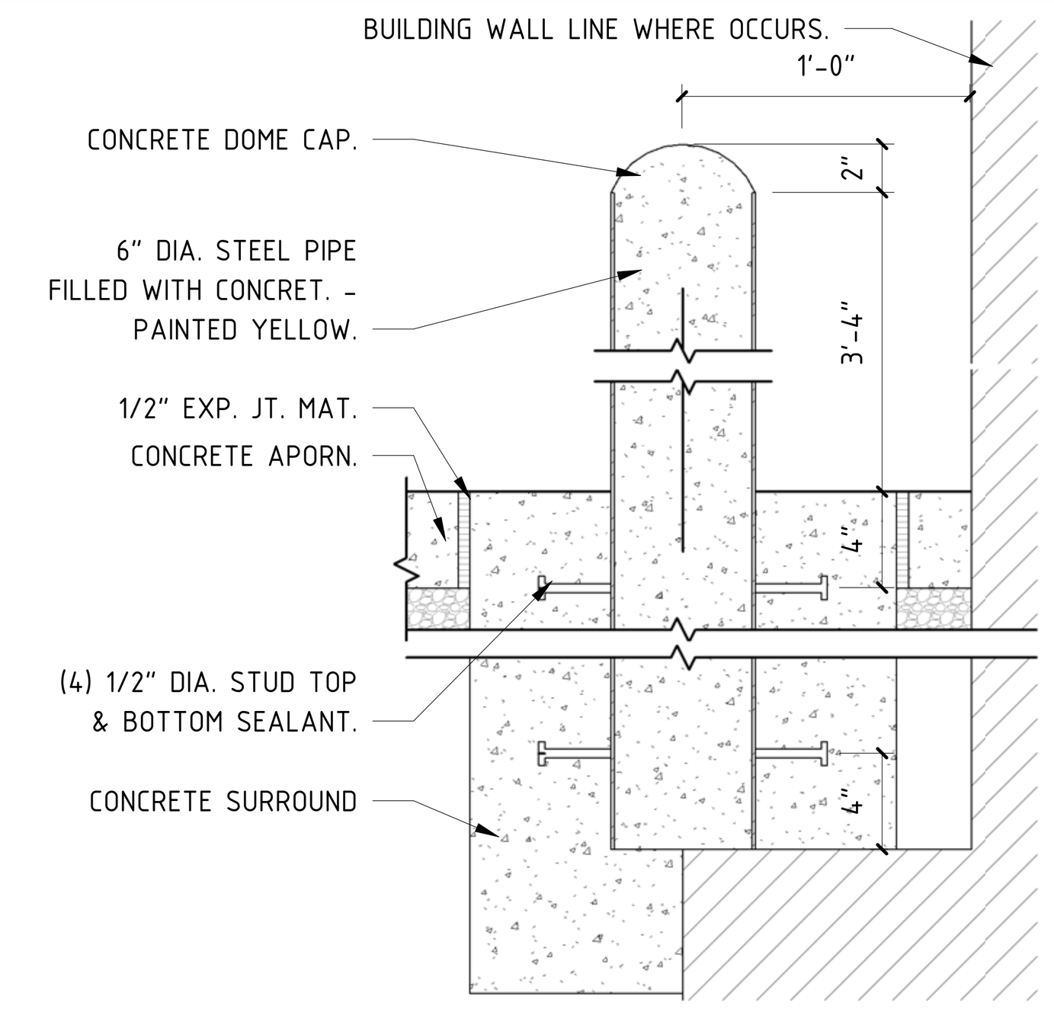
EAVE DETAIL 09 AE301A
SCALE: 1" = 1'-0"


PREFINISHED METAL FLASHING WITH HEMMED DRIP EDGE. MATCH ROOF COLOR.
R-42 ROOF INSULATION.
CC
2X8 WOOD FASCIA WRAPPED WITH PREFINISHED METAL.
PREFINISHED VENTED ALUMINUM SOFFIT.
T.O. CMU 112'-0"
1X4 WD. TRIM. PAINTED.
2X PTDF PLATE W/ GASKET SEAL.
SCHEDULED WALL.

RAKE EAVE DETAIL 07 AE301A
SCALE: 1" = 1'-0"



EXT. DOOR JAMB 16 AE301A
SCALE: 3" = 1'-0"



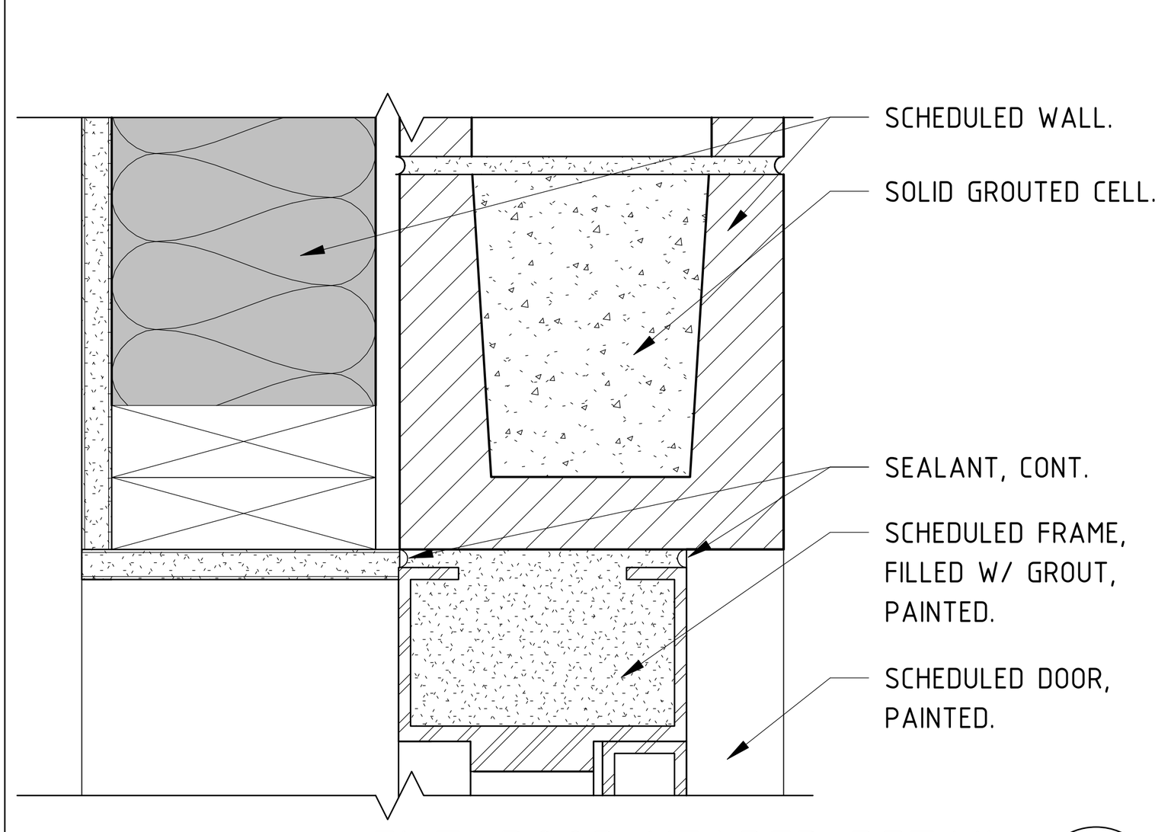
BOLLARD DETAIL 15 AE301A
SCALE: 1 1/2" = 1'-0"

GENERAL NOTES AND LEGEND:

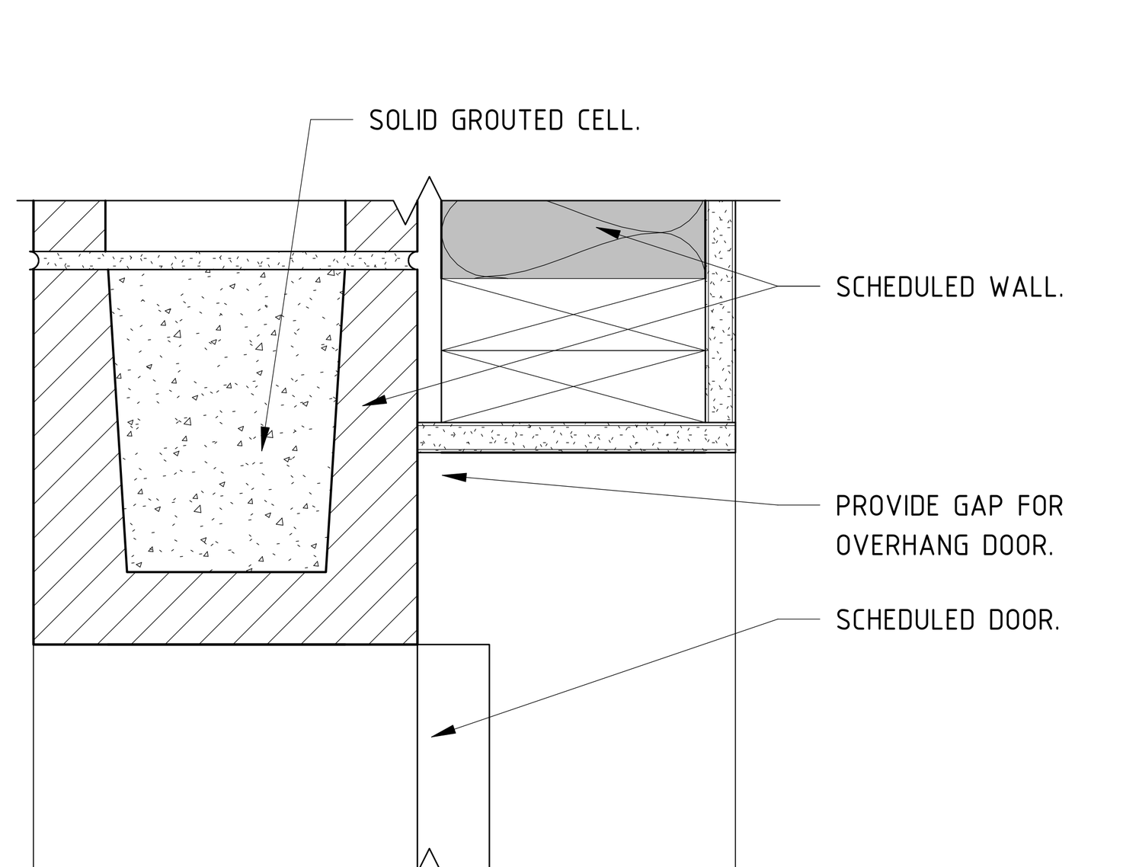
- SEE SHEET AE001 FOR GENERAL NOTES.
- SEE TITLE SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

KEYED NOTES:

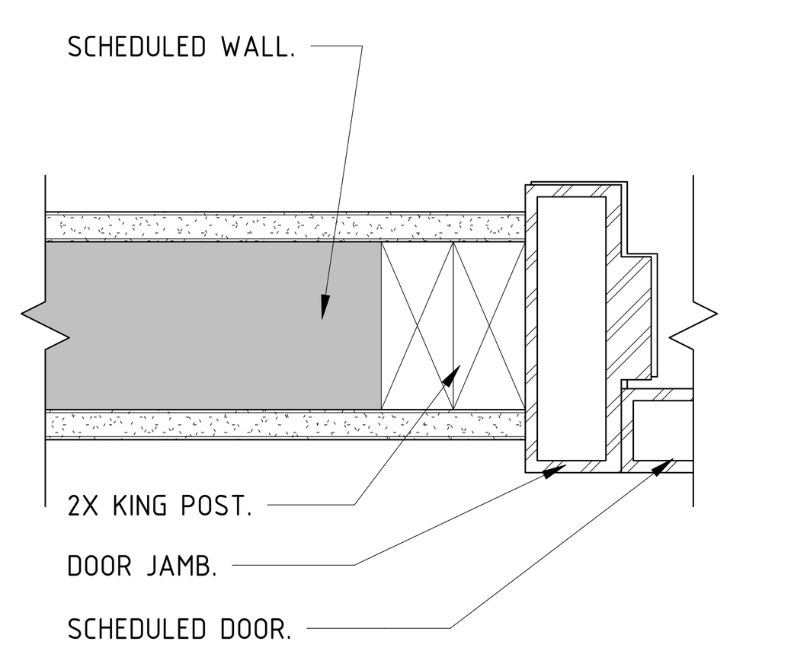
1 PRE-FINISHED STANDING SEAM METAL ROOFING OVER FULL ICE & WATER SHIELD. TYPICAL AT STANDING SEAM ROOF.
2 8"X8"X16" CONCRETE MASONRY UNIT, PAINTED AND ANTI GRAFITI SEAL.
3 CONCRETE SLAB, CLEAR SEALED.
4 STRUCTURAL FOUNDATION AND FOOTING, SEE STRUCTURAL.
5 SCHEDULED CEILING FINISH, REFER TO FINISH SCHEDULE.
6 4" COMPACTED GRANULAR FILL.
7 R-21 BATT INSULATION. TYP. IN EXTERIOR WALLS.
8 DOOR. SEE DOOR SCHEDULE ON AE601.
9 SOILS REQUIREMENTS UNDER FOOTING - SEE GENERAL NOTE 1.
10 2" EPS INSULATION.



EXT. DOOR HEADER DETAIL 08 AE301A
SCALE: 3" = 1'-0"



ROLL-UP DOOR HEADER 12 AE301A
SCALE: 3" = 1'-0"



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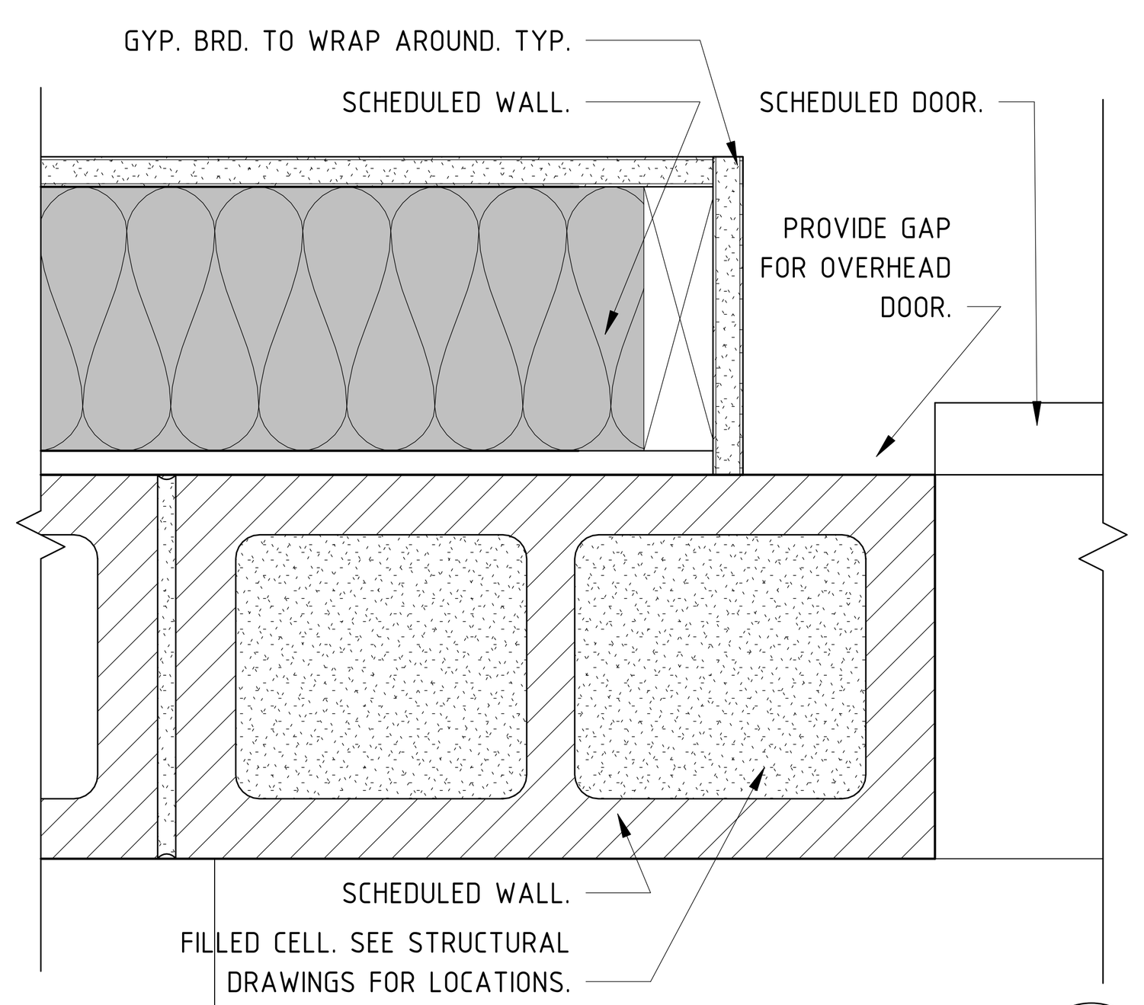
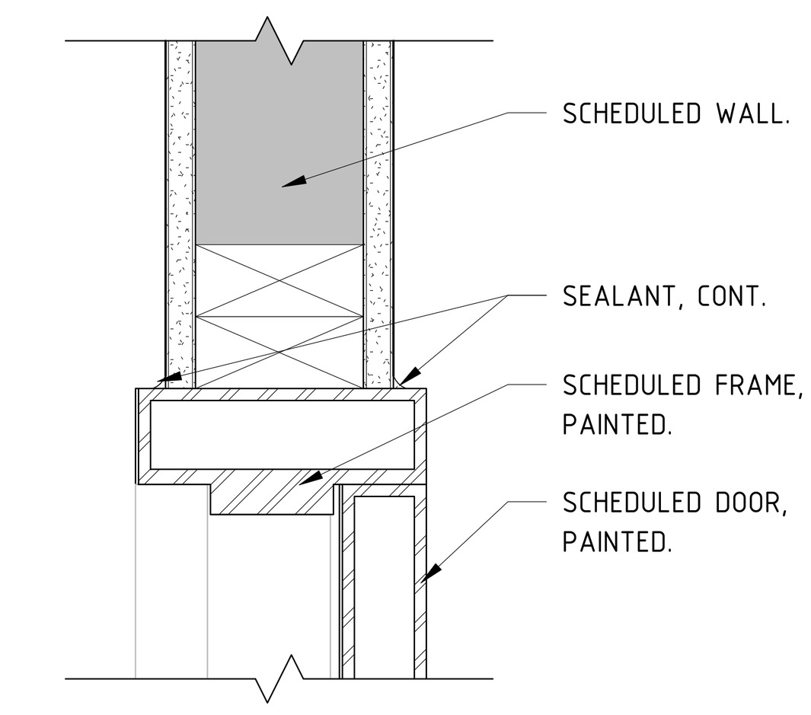
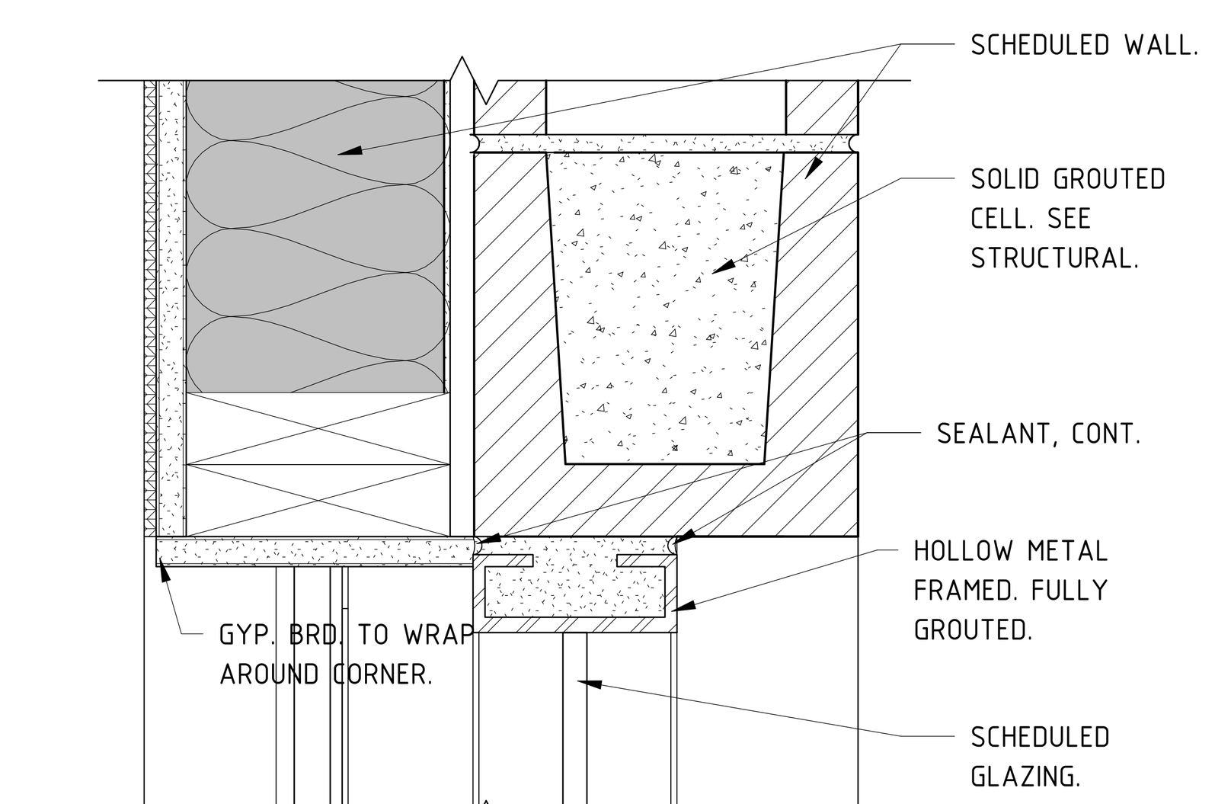


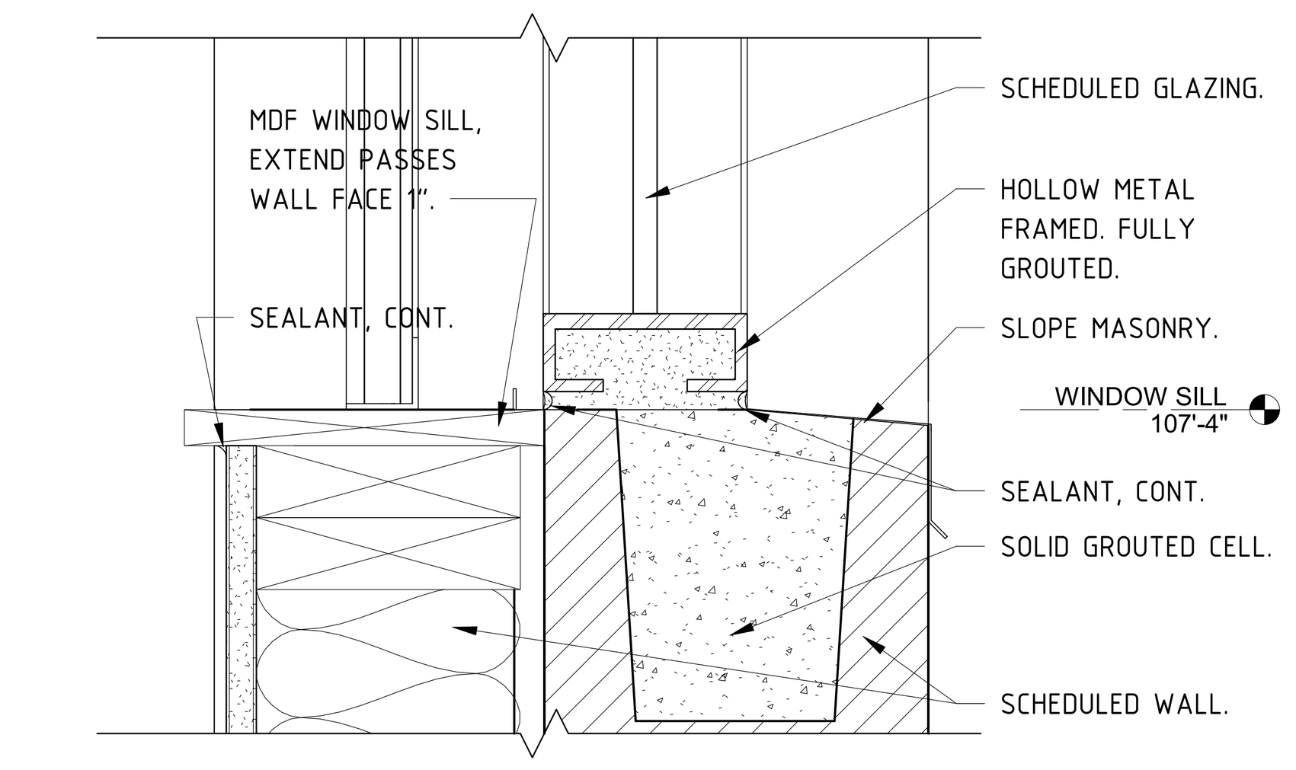
EXT. ROLL-UP DOOR JAMB 13 AE301A
SCALE: 3" = 1'-0"



INT. DOOR HEADER DET. 17 AE301A
SCALE: 3" = 1'-0"



WINDOW HEADER DETAIL 06 AE301A
SCALE: 3" = 1'-0"



WINDOW SILL DETAIL 05 AE301A
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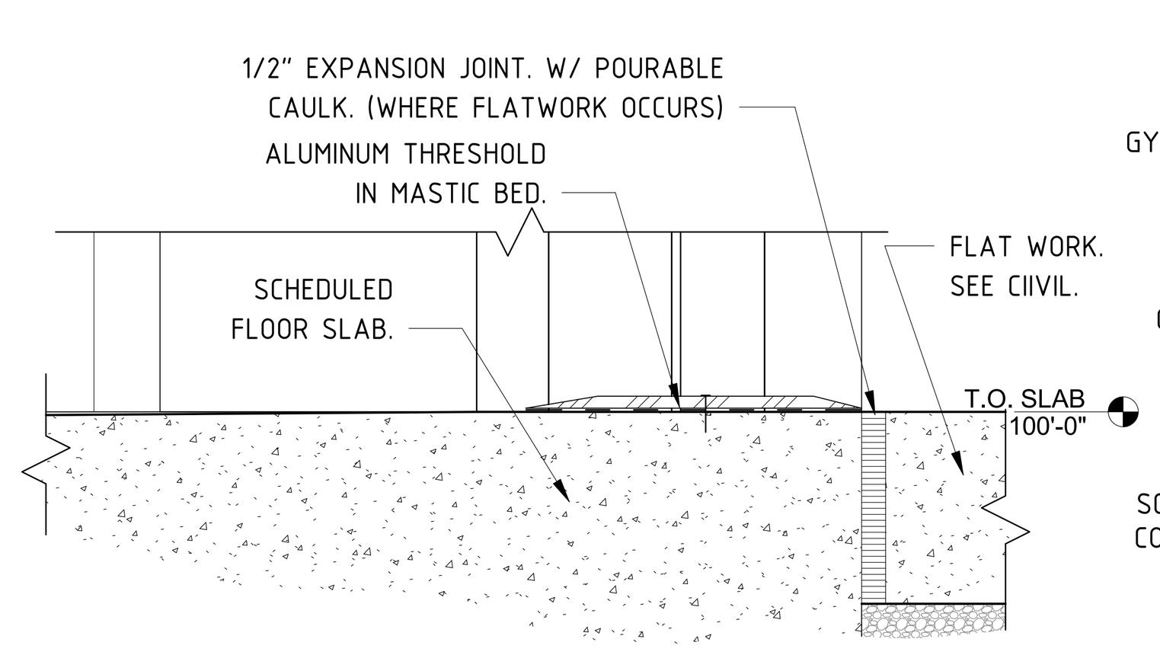
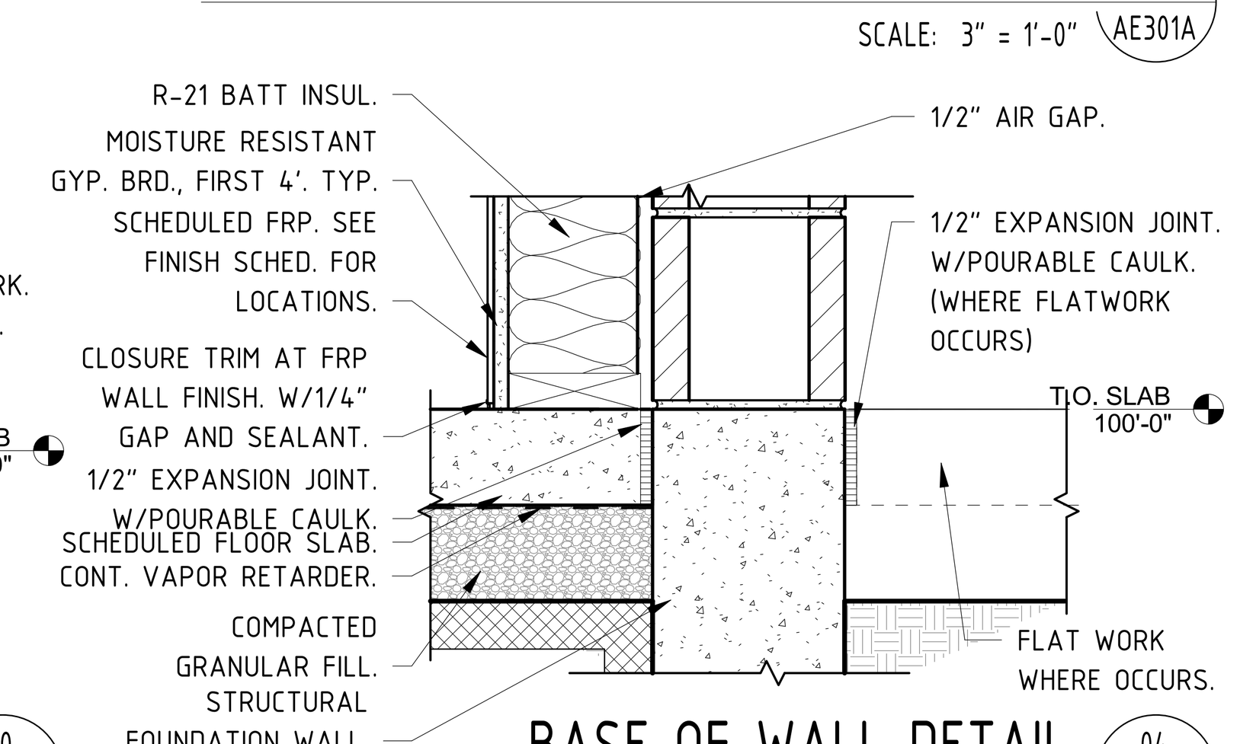
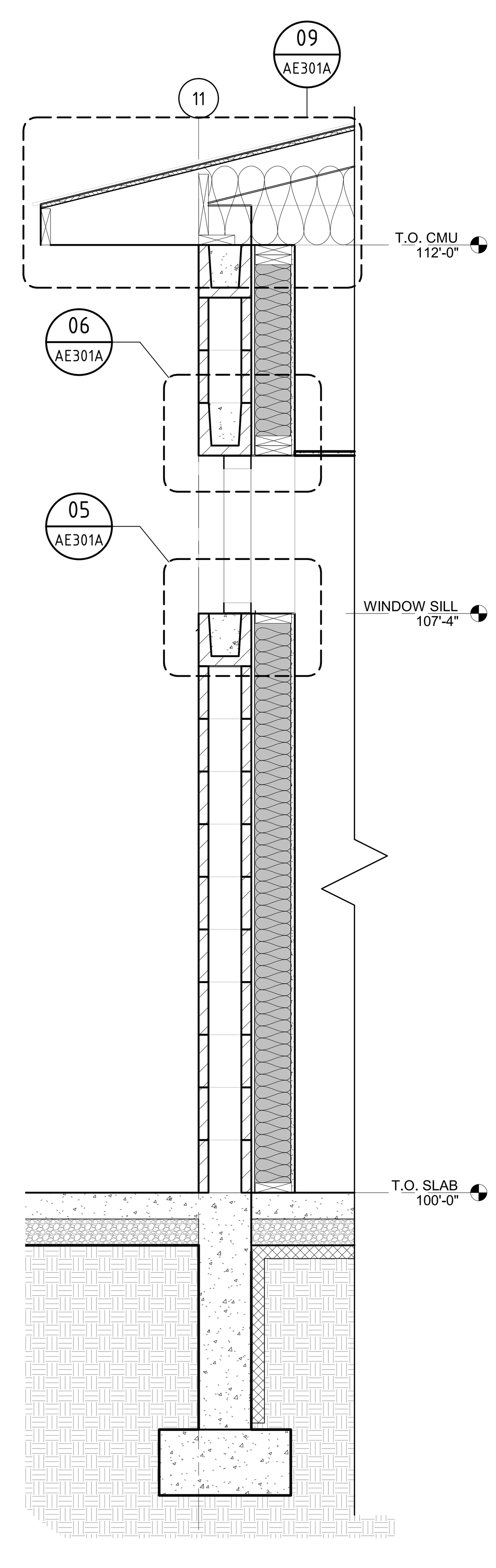


DOOR THRESHOLD DETAIL 10 AE301A
SCALE: 3" = 1'-0"


R-21 BATT INSUL.
MOISTURE RESISTANT GYP. BRD., FIRST 4'. TYP.
SCHEDULED FRP. SEE FINISH SCHED. FOR LOCATIONS.
CLOSURE TRIM AT FRP WALL FINISH. W/1/4" GAP AND SEALANT.
1/2" EXPANSION JOINT. W/POURABLE CAULK.
SCHEDULED FLOOR SLAB.
CONT. VAPOR RETARDER.
COMPACTED GRANULAR FILL.
STRUCTURAL FOUNDATION WALL.
1/2" AIR GAP.
1/2" EXPANSION JOINT. W/POURABLE CAULK. (WHERE FLATWORK OCCURS)
T.O. SLAB 100'-0"
FLAT WORK WHERE OCCURS.

BASE OF WALL DETAIL 04 AE301A
SCALE: 1 1/2" = 1'-0"



WALL SECTION 03 03 AE301A
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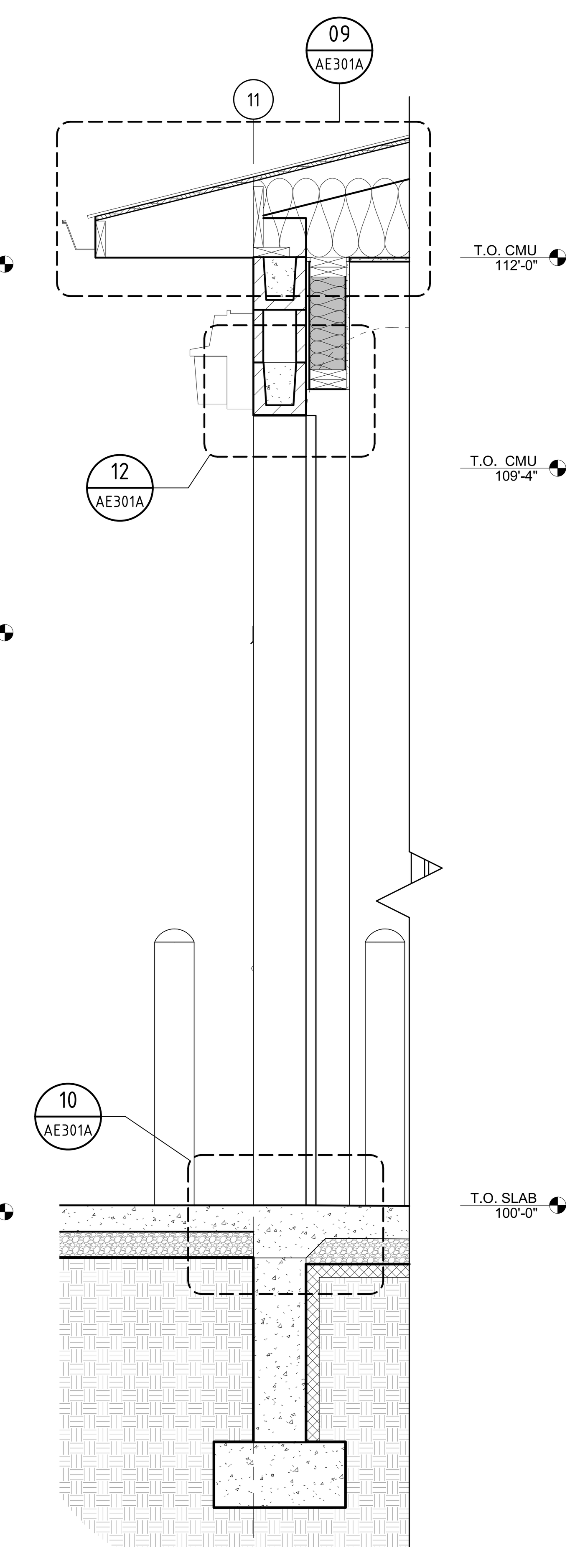
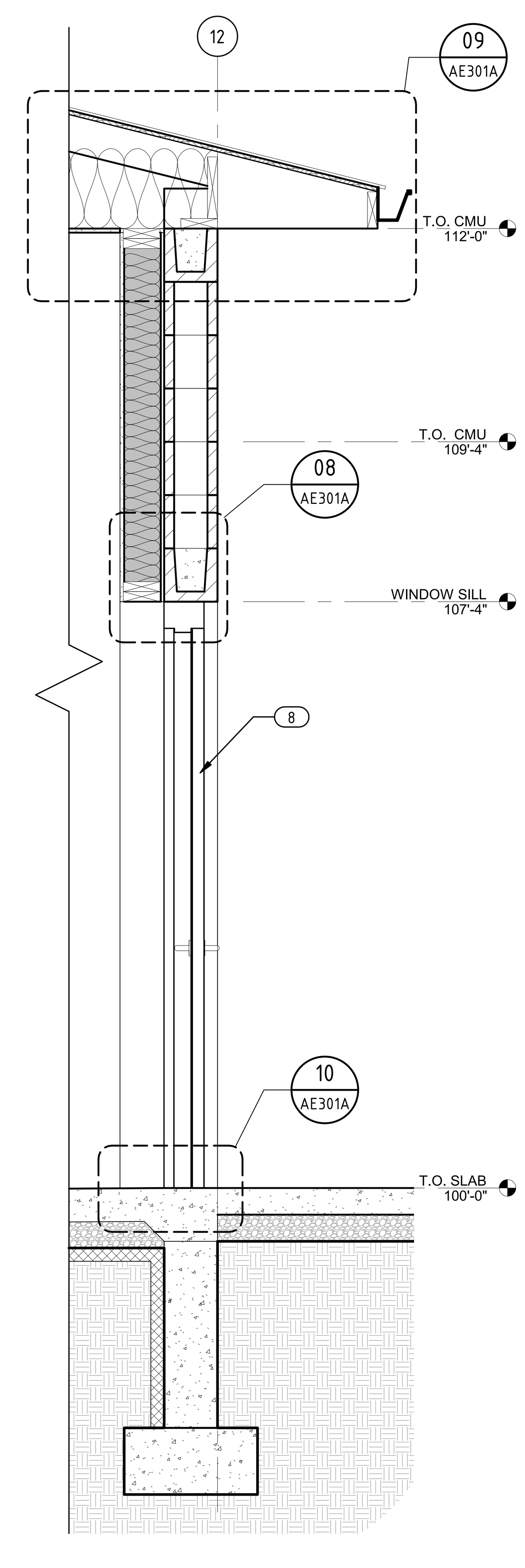
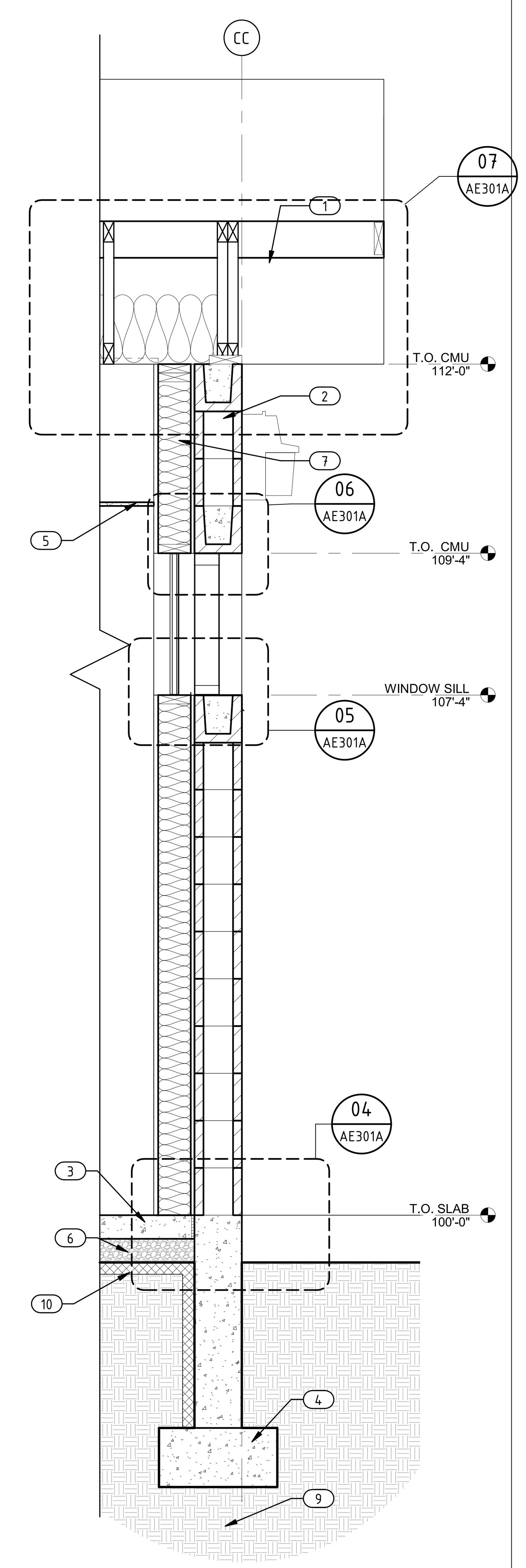


WALL SECTION 1 11 AE301A
SCALE: 3/4" = 1'-0"



WALL SECTION 02 02 AE301A
SCALE: 3/4" = 1'-0"



WALL SECTION 01 01 AE301A
SCALE: 3/4" = 1'-0"

CONSTRUCTION DOCUMENTS - CONFORMED SET

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MAGNA REGIONAL PARK
PHASE 1

4042 SOUTH 7200 WEST
MAGNA, UTAH 84044

- REVISIONS:

- STAMP

STATE OF UTAH
DEREK WILSON
6590963-0301
06.06.19
LICENSED ARCHITECT

- SHEET TITLE:

MAINT. BLDG. WALL SECTIONS AND DETAILS

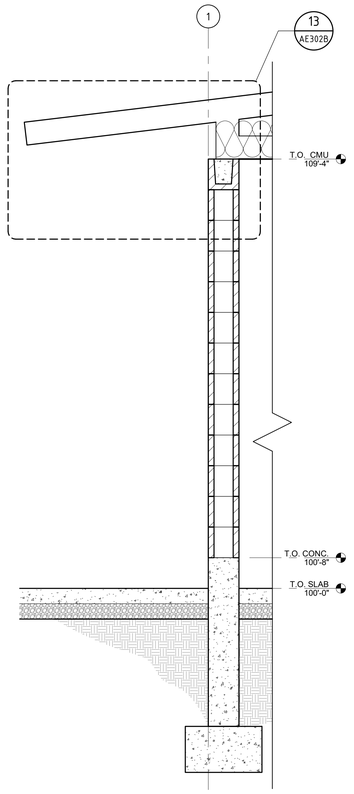
- DATE: 7-22-19
- DRAWN BY: CKG
- CHECKED BY: DW
- JOB NO.: U17-021

- SHEET NO:

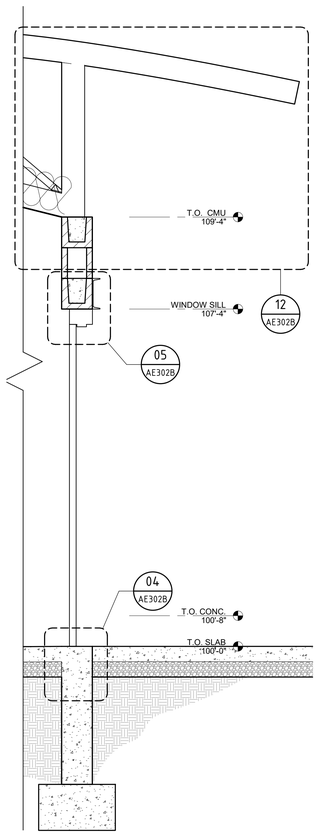
AE301A

GENERAL NOTES AND LEGEND:

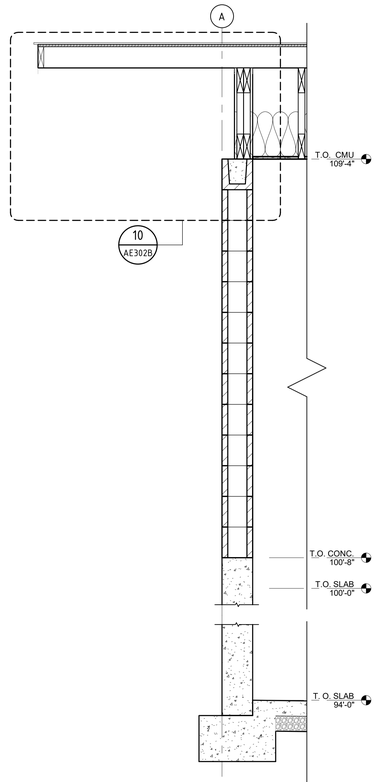
- SEE SHEET AE001 FOR GENERAL NOTES.
- SEE TITLE SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.



WALL SECTION 04 / AE301B
SCALE: 3/4" = 1'-0"



WALL SECTION 03 / AE301B
SCALE: 3/4" = 1'-0"



WALL SECTION 02 / AE301B
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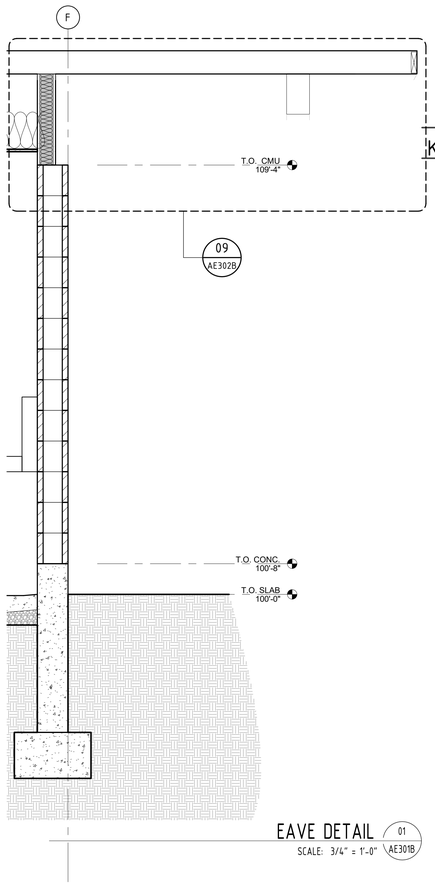
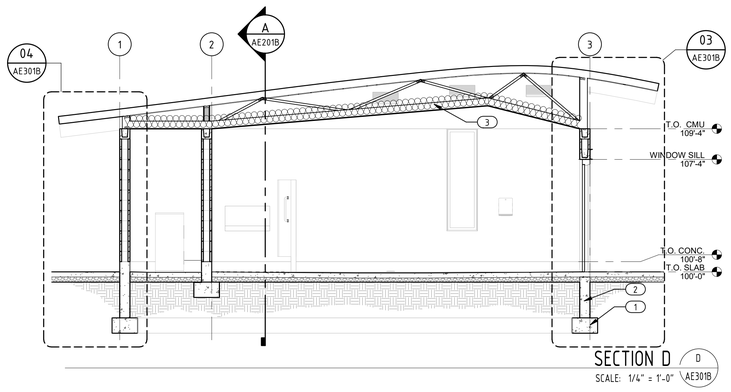


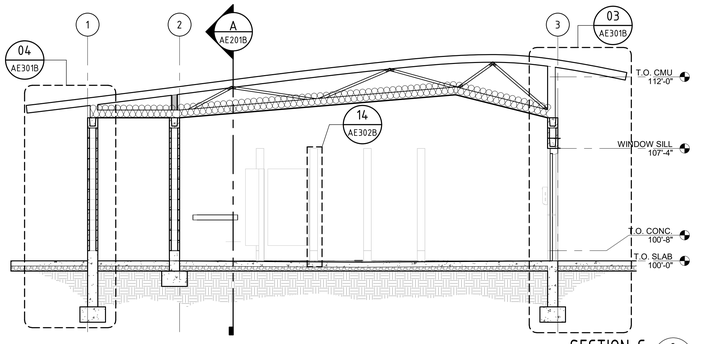
EAVE DETAIL 01 / AE301B
SCALE: 3/4" = 1'-0"

KEYED NOTES:

1 STRUCTURAL FOUNDATION AND FOOTING, SEE STRUCTURAL.
2 CIP FOOTING AND FOUNDATION WALL W/ DAMPROOFING. SEE STRUCTURAL FOR DESIGN AND DEPTH. TYP.
3 R-30 FIBERGLASS INSULATION W/VAPOR RETARDER.



SECTION D D / AE301B
SCALE: 1/4" = 1'-0"



SECTION C C / AE301B
SCALE: 1/4" = 1'-0"

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MAGNA, UTAH 84044

■ REVISIONS:

■ STAMP

STATE OF UTAH
SCREEN WILSON
6590383-0301
06.06.19
LICENSED ARCHITECT

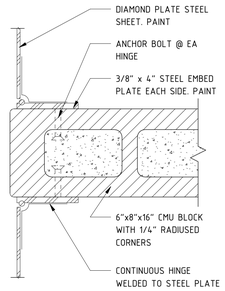
■ SHEET TITLE:
EQUIP./RESTROOM BLDG. SECTIONS, WALL SECTIONS

■ DATE: 7-22-19
■ DRAWN BY: CKG
■ CHECKED BY: DW
■ JOB NO.: U17-021

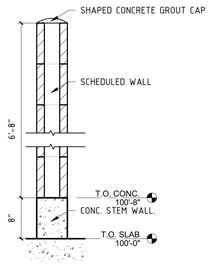
■ SHEET NO:
AE301B

CONSTRUCTION DOCUMENTS - CONFORMED SET

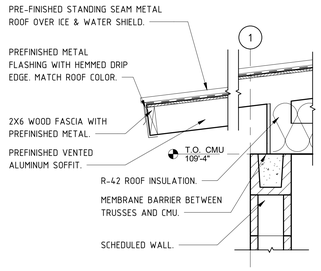
REVIEWED FOR CODE COMPLIANCE
FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW:
☒ BUILDING ☒ STRUCTURAL
☒ MECHANICAL ☒ PLUMBING
☒ ELECTRICAL ☒ ENERGY
☒ ACCESSIBILITY ☐ FIRE
PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE, OR LOCAL REGULATIONS.
BY: _____ DATE: 11/13/19
WEST COAST CODE CONSULTANTS, INC.



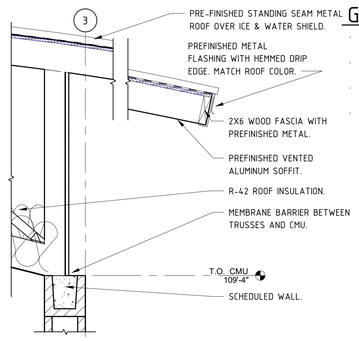
DOOR JAMB 15 — SCALE: 3" = 1'-0" — AE302B



PARTITION WALL 14 — SCALE: 1" = 1'-0" — AE302B



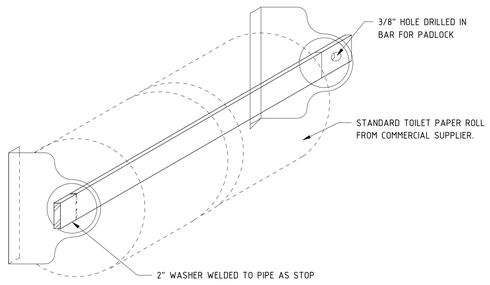
EAVE DETAIL 13 — SCALE: 1" = 1'-0" — AE302B

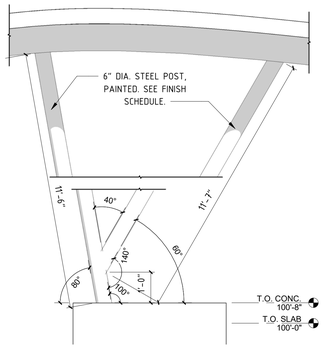


EAVE DETAIL 12 — SCALE: 1" = 1'-0" — AE302B

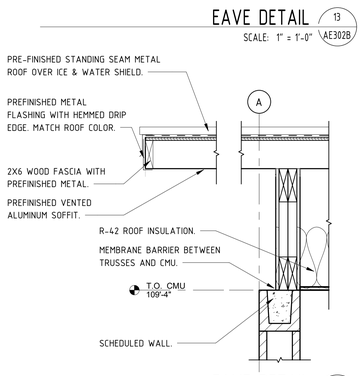
GENERAL NOTES AND LEGEND:

- SEE SHEET AE001 FOR GENERAL NOTES.
- SEE TITLE SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR / SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK, AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

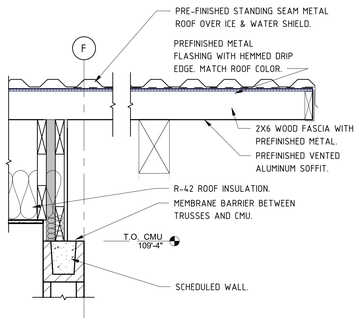




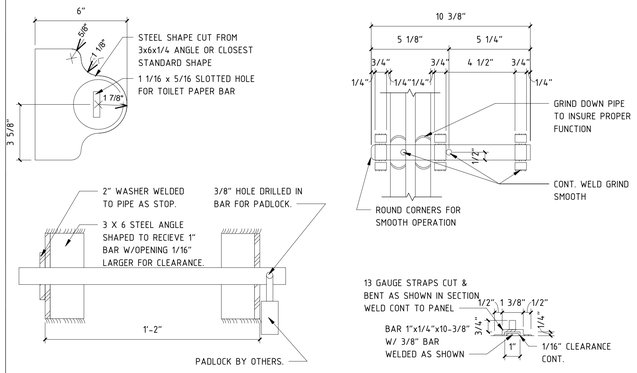
COLUMN DETAIL 11 — SCALE: 1/2" = 1'-0" — AE302B



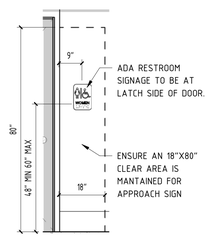
EAVE DETAIL 10 — SCALE: 1" = 1'-0" — AE302B



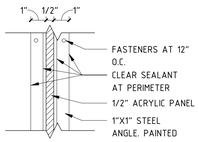
EAVE DETAIL 09 — SCALE: 1" = 1'-0" — AE302B



TOILET PAPER HOLDER 08 — SCALE: 3" = 1'-0" — AE302B

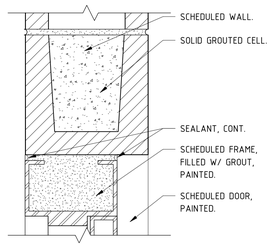


ADA SIGNAGE - DETAIL 07 — SCALE: 1/2" = 1'-0" — AE302B

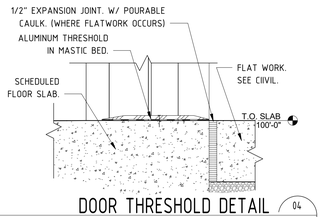


FIXED WINDOW
ACRYLIC PANEL: 3 FORM, KOLA XT, 1/2"
COLOR: VENICE B13, SUPERMATTE FINISH
FRAME: PAINTED, SEE FINIHS SCHEDULE
SOUND RATING: .5 OVERPRESSURE ZONE

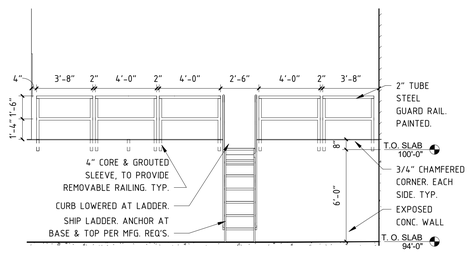
WINDOW FRAME DETAIL 06 — SCALE: 3" = 1'-0" — AE302B



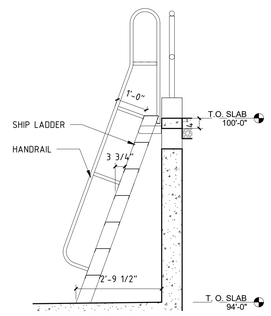
EXT. DOOR HEADER DETAIL 05 — SCALE: 3" = 1'-0" — AE302B



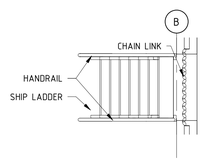
DOOR THRESHOLD DETAIL 04 — SCALE: 3" = 1'-0" — AE302B



PUMP ROOM WALL ELEVATION 03 — SCALE: 1/4" = 1'-0" — AE302B



SHIP LADDER ELEVATION 02 — SCALE: 1/2" = 1'-0" — AE302B



ENLARGED PLAN - SHIP LADDER 01 — SCALE: 1/2" = 1'-0" — AE302B

CONSTRUCTION DOCUMENTS - CONFORMED SET

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PREPARED FOR:
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CONSULTANTS:
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MAGNA REGIONAL PARK PHASE 1

4042 SOUTH 7200 WEST
MAGNA, UTAH 84044

REVISIONS:

STAMP
STATE OF UTAH
BEREN WILSON
6590833-3301
06.06.19
LICENSED ARCHITECT

SHEET TITLE:
EQUIP./RESTROOM BLDG. WALL DETS., ARCH DETS.

DATE:	7-22-19
DRAWN BY:	CKG
CHECKED BY:	DW
JOB NO.:	U17-021

SHEET NO:
AE302B

GENERAL NOTES AND LEGEND:

- SEE SHEET AE001 FOR GENERAL NOTES.
- SEE TITLE SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
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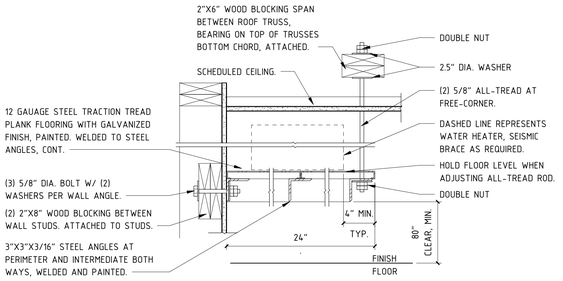
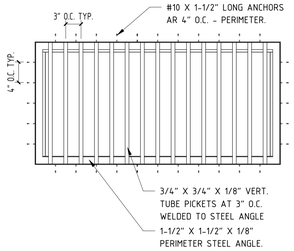
KEYED NOTES:

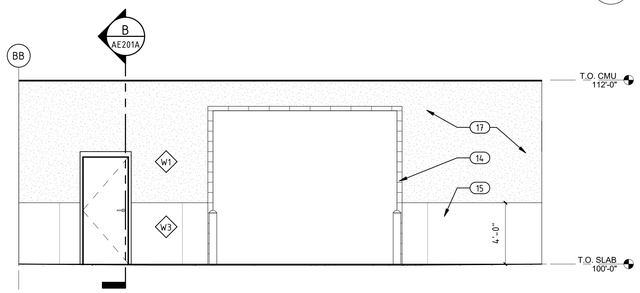
1. WALL HUNG TOILET. SEE PLUMBING DRAWINGS.
2. MIRROR. SEE INTERIOR ELEVATIONS AND ACCESSORIES SCHEDULE. . TYP.
3. LAVATORY. SEE PLUMBING DRAWINGS. TYP.
4. ADA COMPLIANT SHOWER WAND, 60" HOSE AND FAUCET CONTROLS.
5. STAINLESS STEEL GRAB BAR. SEE ADA DETAIL ON GI002. TYP.
6. FLOOR DRAIN.
7. TOILET PAPER DISPENSER. SEE ACCESSORIES SCHEDULE AND DETAIL #08 ON SHEET AE302B. TYP.
8. AIR DRYER. SEE ACCESSORIES SCHEDULE.
9. FOLD DOWN ADA BENCH. PROVIDE BLOCKING.
10. HEATER PLATFORM. HUNG FROM STRUCTURE ABOVE. SEE DETAIL AE401.
11. PRE-FINISHED METAL LOCKERS. OWNER PROVIDED, OWNER INSTALLED.
12. ONE PIECE PLASTIC SHOWER LINER. SEE ACCESSORES SCHEDULE.
13. FRP PANELING.
14. PROVIDE GAP IN WALL TYPE A TO ALLOW SPACE FOR SECTIONAL DOOR FRAME.
15. FRP PANELING, INSTALLED LANDSCAPE.
16. SHOWER CURTAIN AND ROD.
17. PAINTED GYP. BRD.. SEE FINISH SCHEDULE.
18. WINDOW SECURITY SCREEN SEE. DETAILS.
19. INSULATED PIPE WRAP. TYP. AT ADA SINKS.
20. SOAP DISPENSER. SEE ACCESSORIES SCHEDULE.
21. ADA ACCESSIBLE METAL LOCKER. THIS INCLUDES CLEAR FLOOR SPACE OF 48"X30", ACCESSIBLE REACH RANGE AS SHOWN ON GI002 UNOBSTRUCTED REACH AND OPERABLE PARTS FOR THE LOCKER (AND LOCK IF PROVIDED) AS INDICATED IN SECTION 309 OF ICC A117.1-09. OWNER PROVIDED, OWNER INSTALLED.



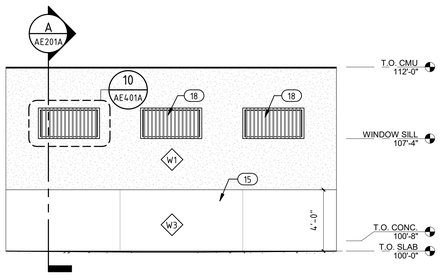
ELEVATED WATER HEATER PLATFORM DETAIL 09 AE401A
SCALE: 1 1/2" = 1'-0"



WINDOW SECURITY SCREEN DET. 10 AE401A
SCALE: 1" = 1'-0"



STORAGE BAY ELEVATION 08 AE401A
SCALE: 1/4" = 1'-0"



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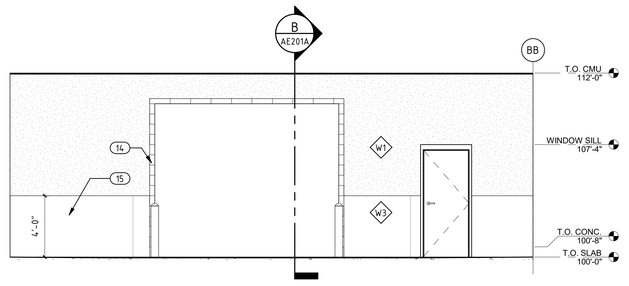

STORAGE BAY ELEVATION 06 AE401A
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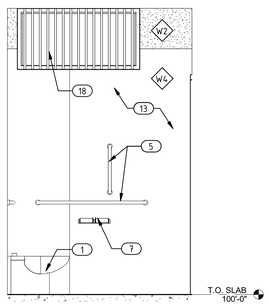
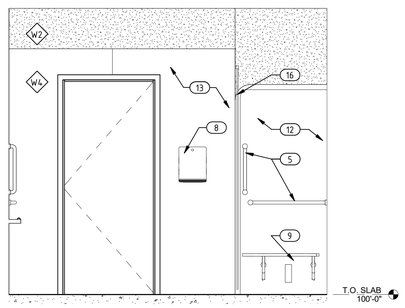


RESTROOM ELEV. 05 AE401A
SCALE: 1/2" = 1'-0"



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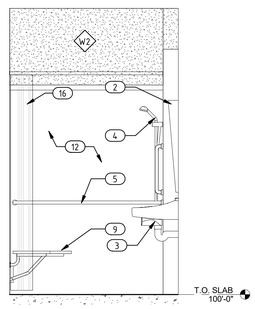

RESTROOM ELEV. 03 AE401A
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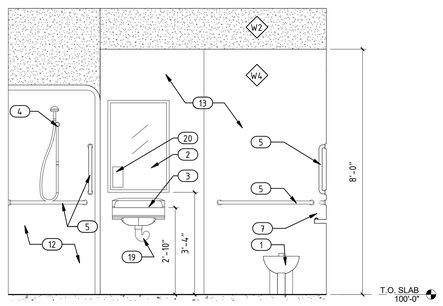
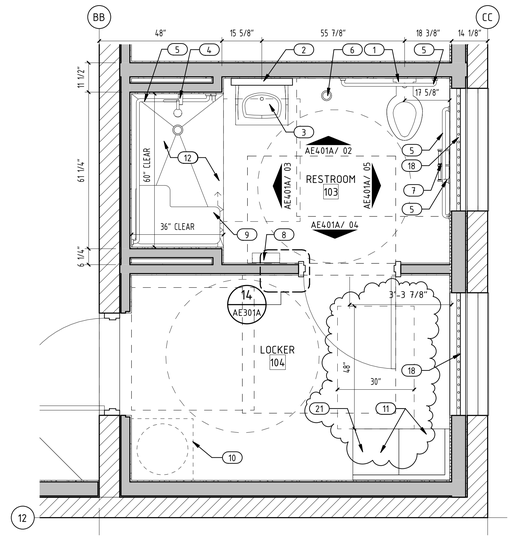


RESTROOM ELEV. 02 AE401A
SCALE: 1/2" = 1'-0"



ENLARGED - FLOOR PLAN 01 AE401A
SCALE: 1/2" = 1'-0"

CONSTRUCTION DOCUMENTS - CONFORMED SET

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SITE AND LANDSCAPE ARCHITECTS
610 East South Temple, Ste 50
Salt Lake City, Utah 84102
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PREPARED FOR:
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CONSULTANTS:
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MAGNA REGIONAL PARK PHASE 1

4042 SOUTH 7200 WEST
MAGNA, UTAH 84044

REVISIONS:

1	ASI #1	10-18-19
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-	-	-
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STAMP

SHEET TITLE:
MAINT. BLDG. ENLARGED PLAN AND INTERIOR ELEV.

DATE:	7-22-19
DRAWN BY:	CKG
CHECKED BY:	DW
JOB NO.:	U17-021

SHEET NO:
AE401A

GENERAL NOTES AND LEGEND:

- SEE SHEET AE001 FOR GENERAL NOTES.
- SEE TITLE SHEET FOR DRAWING INDEX.
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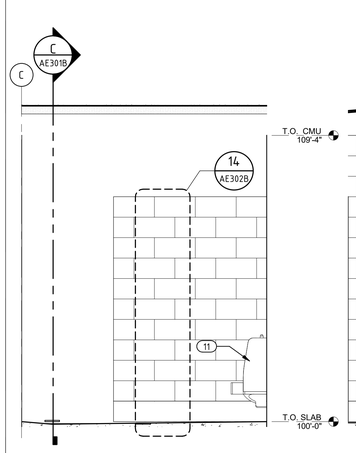
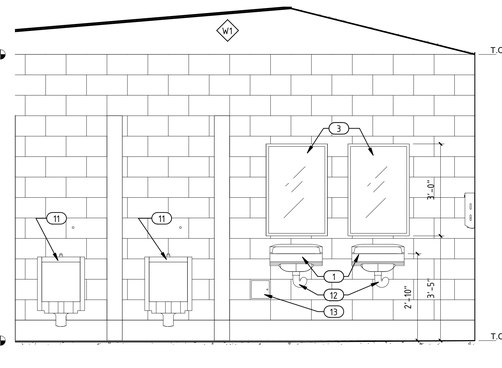
KEYED NOTES:

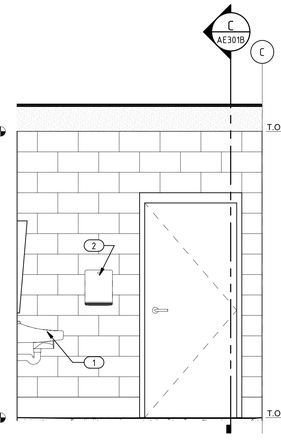
1. LAVATORY. SEE PLUMBING DRAWINGS. TYP.
2. AIR DRYER. SEE ACCESSORIES SCHEDULE.
3. MIRROR. SEE INTERIOR ELEVATIONS AND ACCESSORIES SCHEDULE. . TYP.
4. WALL HUNG TOILET. SEE PLUMBING DRAWINGS.
5. TOILET PAPER DISPENSER. SEE ACCESSORIES SCHEDULE AND DETAIL #08 ON SHEET AE302B. TYP.
6. STAINLESS STEEL GRAB BAR. SEE ADA DETAIL ON GI002. TYP.
7. TOILET PAPER DISPENSER. SEE ACCESSORIES SCHEDULE AND DETAIL #08 ON SHEET AE302B. TYP.
8. CHANGING TABLE. TO BE MOUNTED 48" MAX ABOVE F.F. TO ALSO BE ACCORDANCE WITH SECTIONS 308 AND 309.3 OF ICC A117.1-09. TYP.
9. PARTITION DOOR. SEE ACCESSORIES SCHEDULE.
10. FLOOR DRAIN. SLOPE CONC. TO DRAIN. SEE PLUMBING DRAWINGS.
11. WALL HUNG URINAL. SEE PLUMBING DRAWINGS.
12. INSULATED PIPE WRAP. TYP. AT ADA SINKS.
13. REMOVABLE KEY HOSE BIB A RECESS BOX. SEE PLUMBING.



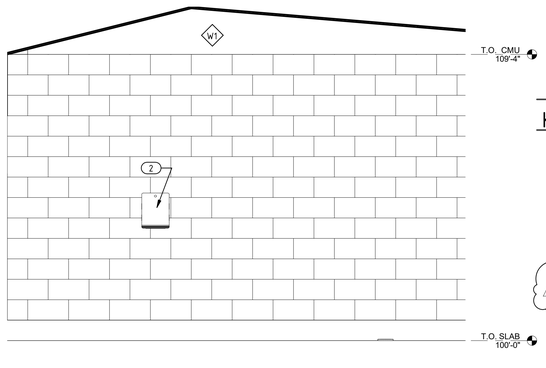
MENS R.R. - ELEVATION 09 — SCALE: 1/2" = 1'-0" — AE401B



MENS R.R. - ELEVATION 08 — SCALE: 1/2" = 1'-0" — AE401B



MENS R.R. - ELEVATION 07 — SCALE: 1/2" = 1'-0" — AE401B



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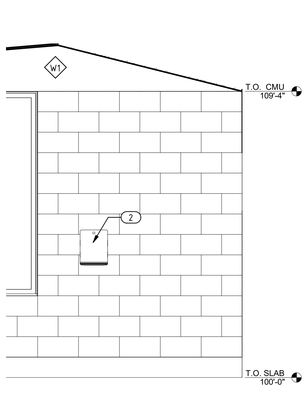
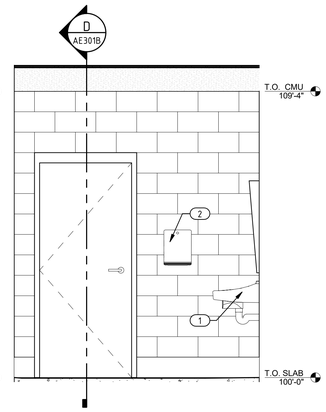
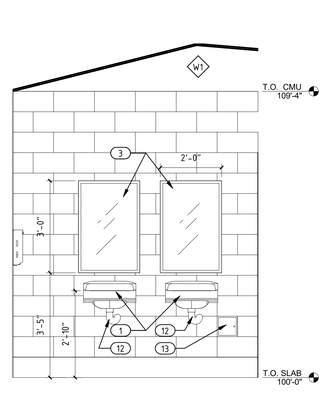


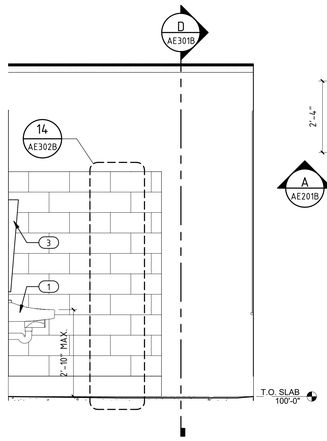
WOMENS R.R. - ELEVATION 05 — SCALE: 1/2" = 1'-0" — AE401B



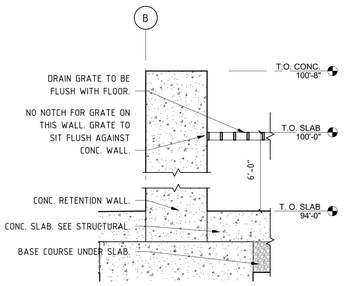
WOMENS R.R. - ELEVATION 04 — SCALE: 1/2" = 1'-0" — AE401B



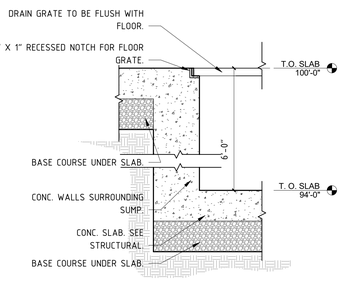
WOMENS R.R. - ELEVATION 03 — SCALE: 1/2" = 1'-0" — AE401B



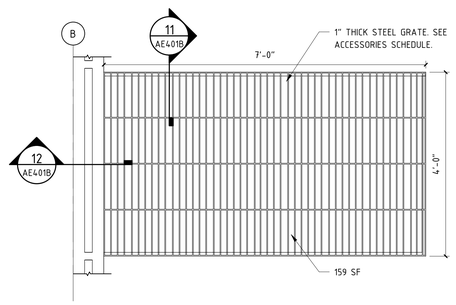
WOMENS R.R. - ELEVATION 02 — SCALE: 1/2" = 1'-0" — AE401B



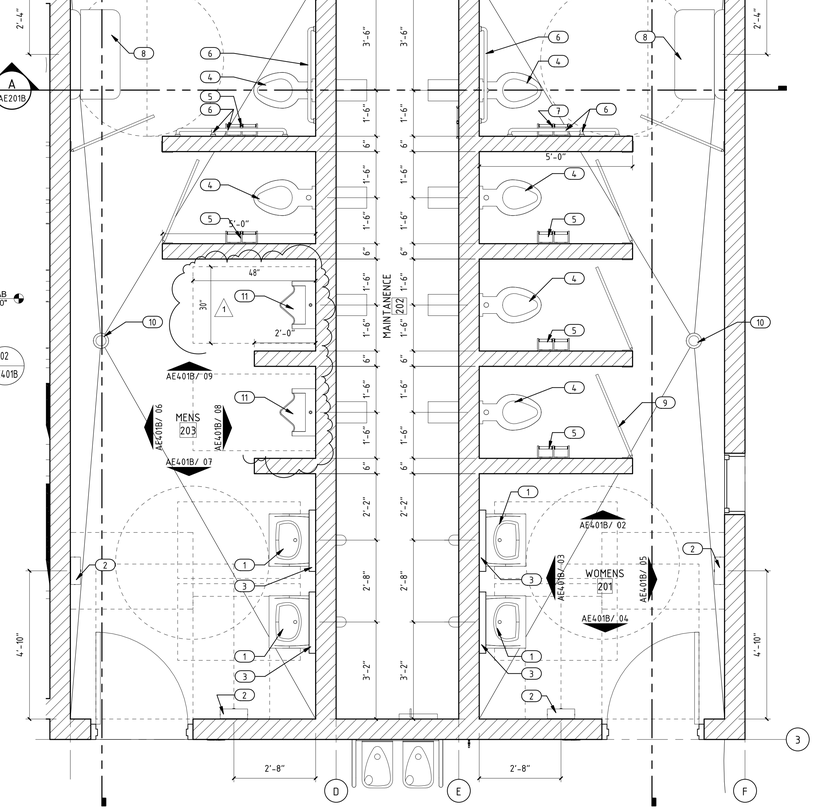
SUMP DETAIL 12 — SCALE: 1 1/2" = 1'-0" — AE401B



TYP. SUMP DETAIL 11 — SCALE: 1 1/2" = 1'-0" — AE401B



CONCRETE SUMP 10 — SCALE: 3/4" = 1'-0" — AE401B



RESTROOMS - ENLARGED PLAN 01 — SCALE: 1/2" = 1'-0" — AE401B

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MAGNA REGIONAL PARK PHASE 1

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MAGNA, UTAH 84044

REVISIONS:

1	ASI #1	10-18-19
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STAMP

SHEET TITLE:
EQUIP./RESTROOM BLDG. ENLARGED PLAN AND INTERIOR ELEV.

DATE:	7-22-19
DRAWN BY:	CKG
CHECKED BY:	DW
JOB NO.:	U17-021

SHEET NO:
AE401B

CONSTRUCTION DOCUMENTS - CONFORMED SET

DOOR & FRAME SCHEDULE

NO.	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	FIRE RATING	DOOR TYPE	FRAME TYPE	HARDWARE HINGES	EXIT DEVICES	LOCKABLE DEVICES	KICK PLATE	SILENCERS/ SEALS	ACCESS CONTROL	THRESHOLD	CLOSER	MATERIAL	CUSTOM HARDWARE	KEYING FUNCTION TYPE	COMMENTS
101A	3'-0"	7'-0"		A	1	01	01/02	02	02	02	-	01/03	01	01	-	01	INSULATED, SEE DOOR HARDWARE
101B	12'-0"	10'-0"		C	-	-	-	-	-	-	-	-	-	-	-	-	POWERED OVERHEAD, INTERIOR CONTROL BUTTON. SAFETY EYE, INSULATED, PRE-FINISHED.
101C	12'-0"	10'-0"		C	-	-	-	-	-	-	-	-	-	-	-	-	POWERED OVERHEAD, INTERIOR CONTROL BUTTON. SAFETY EYE, INSULATED, PRE-FINISHED.
101D	3'-0"	7'-0"		A	1	01	01/02	02	02	02	-	01/03	01	01	-	01	INSULATED, SEE DOOR HARDWARE
102	3'-0"	7'-0"		A	1	01	01	03	-	01	-	-	-	01	-	01	INSULATED, SEE DOOR HARDWARE
103	3'-0"	7'-0"		A	3	01	01	04	-	01	-	-	-	01	-	01	SEE DOOR HARDWARE
104	3'-0"	7'-0"		A	1	01	01	04	-	01	-	-	-	01	-	01	INSULATED, SEE DOOR HARDWARE
201	3'-0"	7'-0"		A	1	01	01	07/09	02	01	04	-	01	01	-	01	INSULATED, SEE DOOR HARDWARE
202	3'-0"	7'-0"		A	1	03	01	05	02	01	-	-	01	01	-	01	INSULATED, SEE DOOR HARDWARE
203	3'-0"	7'-0"		A	1	01	01	07/09	02	01	04	-	-	01	-	01	INSULATED, SEE DOOR HARDWARE
204	3'-8"	7'-0"		B	2	03	01	05	-	01	-	-	-	01	-	01	INSULATED, SEE DOOR HARDWARE. MIN. 3/4" GAP AT BOTTOM OF DOOR. SEE MECHANICAL.
205	3'-8"	7'-0"		B	2	03	01	05	-	01	-	-	-	01	-	01	INSULATED, SEE DOOR HARDWARE. MIN. 3/4" GAP AT BOTTOM OF DOOR. SEE MECHANICAL.
206	3'-8"	7'-0"		A	1	01	01	07	02	01	-	-	01	01	-	01	INSULATED, SEE DOOR HARDWARE
207																	
208																	

DOOR HARDWARE LEGEND

ALL DOORS SHALL BE LEVER HANDLE. ALL DOORS SHALL HAVE (3)-SILENCERS DOOR HARDWARE MFG'S. SEE SPECIFICATIONS. DOOR HARDWARE SHALL MEET THE REQUIREMENTS OF IBC 1010.1.9.1. HARDWARE SHALL NOT REQUIRE PINCHING, TIGHT GRASPING, OR TWISTING OF THE WRIST TO OPERATE. 1

HINGES
- 01 TYP. PER MFG.
- 02 CONTINUOUS.
- 03 NON-REMOVABLE PIN.
- 04 TAPERED TIPS.

EXIT DEVICE
- 01 LEVER.
- 02 PANIC BAR.

LOCKABLE DEVICE
- 01 PASSAGE
- 02 KEYED CYLINDER.
- 03 CLASSROOM LOCK.
- 04 RESTROOM LOCK.
- 05 STORAGE LOCK.
- 06 DEADBOLT.
- 07 MORTISE LOCK. (FAIL SAFE)
- 08 PUSH/PULL.
- 09 MAGLOCK.
- 10 ELECT. STRIKE.
- 11 ELECT. LATCH.

KICK PLATE
- 01 EXTERIOR SIZE: HEIGHT: MATERIAL:
- 02 INTERIOR SIZE: HEIGHT: MATERIAL:

SILENCER/SEALS
- 01 SILENCER: TYP.
- 02 SEAL:

ACCESS CONTROL
- 01 CARD READER
- 02 KEYPAD
- 03 PROXIMITY READER
- 04 EGRESS RELEASE BUTTON

THRESHOLD
- 01 MODEL:
- 02 AUTO CLOSE:
- 03 SWEEP.

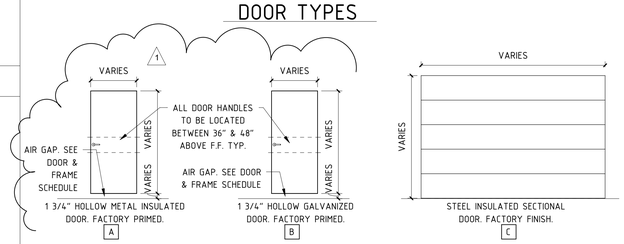
CLOSER
- 01 MODEL:

MATERIAL
- 01 STAINLESS STEEL
- 02 POLISHED BRASS
- 03 OIL RUBBED BRONZE
- 04 SATIN NICKEL
- 05 BLACK NICKEL

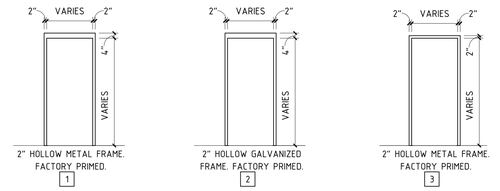
CUSTOM HARDWARE
- 01 N/A

KEYING FUNCTION TYPE
- 01 ONE SIDE
- 02 BOTH SIDES

DOOR TYPES



FRAME TYPES



WINDOW AND FRAME SCHEDULE

TYPE MARK	WINDOW SIZE WIDTH	WINDOW SIZE HEIGHT	TYPES GLAZING	TYPES FRAME	SOUND RATING	COMMENTS
A	4'-0"	2'-0"			.5 OVERPRESSURE ZONE	
B	2'-0"	6'-8"			.5 OVERPRESSURE ZONE	

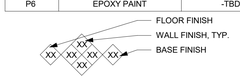
ACCESSORY SCHEDULE

ITEM	DESCRIPTION
PARTION DOORS	DIAMOND PLATE STEEL PANEL PARTITION DOOR AND FRAME WITH 4" RADIUSED CORNERS.
MIRROR	BOBRICK, B-293 24" X 36" FIXED/TILT MIRROR
TOILET PAPER DISP.	INSTALLED PER DETAILS ON SHEET AE302B
HAND DRYER	OWNER PROVIDED, OWNER INSTALLED
HAND SOAP DISP.	OWNER PROVIDED, OWNER INSTALLED
GRAB BARS	2" STAINLESS STEEL
CHANGING STATION	GAMCO BCS-2 35" X 4" X 20" COLOR: GRAY
ATTIC ACCESS LADDER	22"X48" ATTIC LADDER
SHOWER LINER	PLASTIC SHOWER LINER. MAKE: TBD MODEL: TBD
METAL LOCKER	18" X18"X5' MAKE: TBD MODEL: TBD
FLOOR CRANE	ABELL-HOWE® LIGHT DUTY FLOOR CRANE 4S0033 2000 LB. CAPACITY

FINISH SCHEDULE AND LEGEND

MARK	MATERIAL	MANUFACTURER	COLOR / MODEL #	NOTES:
FLOOR				
F1	CONC. SEALER	-TBD	COLOR: TBD	2 COATS WITH SLIP-RESISTANT AGGREGATE.
F2	EPOXY FLOOR COATING	-TBD	COLOR: TBD	
BASE				
B1	4" RUBBER BASE (NO-TOE)	-TBD	COLOR: TBD	
WALLS				
W1	GYPBOARD - PAINTED	-TBD	COLOR: GRAY	
W2	GYPBOARD - EPOXY PAINTED	-TBD	COLOR: TBD	
W3	FRP	-TBD	COLOR: TBD	4' WAINSCOT. 4' X 10' INSTALLED LANDSCAPE.
W4	FRP	-TBD	COLOR: TBD	
W5	STUCCO	-TBD	COLOR: TBD	HARD COATED STUCCO.
W6	EXTERIOR PAINT	-TBD	COLOR: GRAY 1	BLOCK FILLER & PAINT ON COMMON CMU W/ANTI GRAFITTI SEALER.
W7	EXTERIOR PAINT	-TBD	COLOR: GRAY 2	BLOCK FILLER & PAINT ON SPLIT-FACE CMU W/ANTI GRAFITTI SEALER.
W8	INTERIOR PAINT	-TBD	COLOR: TBD	PAINT W/ANTI GRAFITTI SEALER.
CEILING				
C1	GYPBOARD - PAINTED	-TBD	COLOR: TBD	
C2	GYPBOARD - EPOXY PAINTED	-TBD	COLOR: TBD	
ROOFING				
R1	METAL ROOF	MCELROY METAL MEGA RIB	COLOR: PATINA GREEN KYNAR 500 COLOR	PAINT W/ANTI GRAFITTI SEALER.
S1	METAL SOFFIT	MCELROY METAL MATRIX	COLOR: MATCH ROOF	24 GAUGE. PAINT W/ANTI GRAFITTI SEALER.
GENERAL				
P1	EXTERIOR PAINT	-TBD	COLOR: TBD	BOLLARDS.
P2	EXTERIOR PAINT	-TBD	COLOR: TBD	WINDOW FRAMES ON MANTIANENCE BLDG.
P3	EXTERIOR PAINT	-TBD	COLOR: TANGERINE (TO MATCH PLAYGROUND)	COLUMN, GLULAM, STEEL CHANNEL, STEEL BEAM R.R. WINDOW FRAME AND 3-FORM WINDOW (COLOR TO BE CEMENTINE 007. EXACT COLOR AND FINISH TO BE APPROVED BY LANDSCAPE ARCHITECT).
P4	EXTERIOR PAINT	-TBD	COLOR: TBD	MAINTENANCE DOORS. SAME PAINT AS W6
P5	EXTERIOR PAINT	-TBD	COLOR: TANGERINE (TO MATCH PLAYGROUND)	PUBLIC DOORS.
P6	EPOXY PAINT	-TBD	COLOR: TBD	CHEM ROOM DOORS.

Yellow



G.B:D
G. BROWN: DESIGN INC
SITE AND LANDSCAPE ARCHITECTS
610 East South Temple, Ste 50
Salt Lake City, Utah 84102
p. 801.575.6066 f. 801.575.6166
www.gbrowndesign.com

- PREPARED FOR:

SALT LAKE COUNTY Parks & Recreation

- CONSULTANTS:

RANGE
RANGE ARCHITECTURE | DESIGN
3745 EAST HERMES DRIVE SLC, UT 84124
WWW.RANGEARCHITECTURE.COM 801.694.9150

MAGNA REGIONAL PARK PHASE 1

4042 SOUTH 7200 WEST
MAGNA, UTAH 84044

- REVISIONS:

1	ASI #1	10-18-19
-	-	-
-	-	-
-	-	-
-	-	-

- STAMP

- SHEET TITLE:

DR. SCHED., FIN. SCHED., ACC. SCHED., WIN SCHED.

- DATE: 7-22-19
- DRAWN BY: CKG
- CHECKED BY: DW
- JOB NO.: U17-021

- SHEET NO:

AE601

CONSTRUCTION DOCUMENTS - CONFORMED SET

GENERAL STRUCTURAL NOTES:

1. GENERAL STRUCTURAL NOTES ARE CONSTRUCTION DOCUMENTS THAT SHALL BE INCLUDED WITH THE STRUCTURAL PLANS AND PROJECT SPECIFICATIONS.
2. TYPICAL DETAILS AND SCHEDULES SHALL APPLY WHERE SPECIFIC DETAILS ARE NOT SHOWN.
3. "CONTRACTOR" REFERS TO THE CONTRACTOR OR SUB-CONTRACTOR RESPONSIBLE FOR THE PARTICULAR TRADE REFERRED TO IN THE NOTES. THE "CONTRACTOR" SHALL MEET ALL NOTE REQUIREMENTS AND SHALL INCLUDE THE ASSOCIATED COSTS IN HIS/HER BID.
4. C.E. REFERS TO COMPASS ENGINEERING, LLC
5. THE GENERAL CONTRACTOR, PROJECT MANAGER, OR SUPERINTENDENT SHALL COORDINATE THE WORK PERFORMED BY ALL TRADES, AND IS ULTIMATELY RESPONSIBLE FOR COMPLIANCE WITH ALL NOTE AND CODE REQUIREMENTS.
6. THE CONTRACTOR SHALL PERFORM HIS/HER TRADE AND DUTIES IN A MANNER CONFORMING TO THE PROCEDURES AND REQUIREMENTS AS STATED IN THE 2015 INTERNATIONAL BUILDING CODE (IBC), AND/OR THE LATEST CODE AND ORDINANCES ADOPTED BY THE LOCAL BUILDING OFFICIAL.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND PROTECTION WITHIN AND ADJACENT TO THE JOB SITE.
8. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND / OR ARCHITECT OF ANY DISCREPANCIES, OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS, SPECIFICATIONS, AND / OR THE NOTES BEFORE PROCEEDING WITH THE FABRICATION OR CONSTRUCTION OF ANY EFFECTED ELEMENTS. ANY WORK DONE BY THE CONTRACTOR BEFORE RECEIVING THE ENGINEERS WRITTEN APPROVAL WILL BE AT THE CONTRACTOR'S RISK/EXPENSE. IN CASE OF CONFLICT, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN AND BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
9. FAILURE TO FOLLOW PLANS AND CONSTRUCTION DOCUMENTS CONSTITUTES CHANGE IN PROJECT SCOPE. THE ENGINEER RESERVES THE RIGHT TO REQUEST REPLACEMENT OF ANY PORTION OF THE STRUCTURE DEVIATING FROM THE PLANS WHERE WRITTEN APPROVAL HAS NOT BEEN OBTAINED. DEVIATION FROM CONSTRUCTION DOCUMENTS WITHOUT WRITTEN APPROVAL RELIEVES ENGINEER OF ALL LIABILITY, AND CONTRACTOR ASSUMES FULL LIABILITY.
10. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, SLOPES AND ELEVATIONS, ETC... (BOTH ON PLANS AND AT THE JOB SITE PRIOR TO DOING WORK), AND SHALL COORDINATE THESE WITH THE ARCHITECT AND ALL TRADES. CONSTRUCTION DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR, PROVIDE AND INSTALLING ALL TEMPORARY SHORING AND BRACING AS NECESSARY. SHORING AND BEAMS SHALL SUPPORT ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED (i.e. WIND, CONSTRUCTION LOADING, ETC.). SHORING SHALL REMAIN IN PLACE AS LONG AS SAFETY REQUIRES AND/OR UNTIL ALL THE STRUCTURAL ELEMENTS ARE COMPLETED.
12. DURING AND AFTER CONSTRUCTION, THE LOADS IMPOSED ON THE STRUCTURE BY THE CONTRACTOR AND OWNER SHALL BE WITHIN THE LIMITS OF THE OCCUPANCY DESIGN LOADS. SEE STRUCTURAL PLANS AND CALCULATIONS FOR THE OCCUPANCY DESIGN LOADINGS AND CRITERIA.
13. VISITS TO THE JOB SITE BY REPRESENTATIVES OF COMPASS ENGINEERING DO NOT CONSTITUTE APPROVAL OR SPECIAL INSPECTION OF THE WORK PERFORMED BY THE CONTRACTOR OR HIS SUBCONTRACTORS.
14. STRUCTURAL SHOP DRAWINGS SHALL BE APPROVED BY THE ENGINEER AND ARCHITECT OF RECORD PRIOR TO FABRICATION AND ERECTION. SHOP DRAWINGS SHALL BE STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE SAME STATE AS THE PROJECT.
15. SEE STRUCTURAL PLANS AND PROJECT SPECIFICATIONS FOR ADDITIONAL STRUCTURAL NOTES AND REQUIREMENTS.
16. ALL COMPONENTS AND SYSTEMS NOT SPECIFICALLY ENGINEERED BY THE ENGINEER OF RECORD SHALL BE "DESIGN-BUILD" BY THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SHOP DRAWINGS OR AS-BUILT DRAWINGS STAMPED BY A PROFESSIONAL ENGINEER IF REQUIRED BY THE CITY. IF PRE-ENGINEERED SYSTEM IMPACTS THE ORIGINAL DESIGN FOR INTENT OF THE PROJECT IN ANY WAY, CONTRACTOR SHALL COORDINATE WITH ENGINEER OF RECORD PRIOR TO INSTALLATION.
17. PRE-ENGINEERED SYSTEMS SUCH AS JOISTS, TRUSSES, GREENHOUSES, POOLS, DECKS, ETC. SHALL BE ENGINEERED AND DETAILED BY OTHERS UNLESS SPECIFICALLY CONTRACTED OTHERWISE. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR, NOR HAS ANY LIABILITY REGARDING PRE-ENGINEERED SYSTEMS. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AS REQUIRED. JOIST AND TRUSS, ETC.. PROVIDED BY THE ENGINEER ARE FOR COORDINATION AND ESTIMATING ONLY. THE JOIST AND TRUSS MANUFACTURER (OR OTHER MANUFACTURERS) ARE REPSONSIBLE FOR THE ACTUAL DESIGN BASED ON CODE PRESCRIBED, AND ACTUAL LOADS AND FORCES.
18. THE ENGINEER OF RECORD IS ONLY RESPONSIBLE FOR ITEMS SPECIFICALLY ENGINEERED BY HIM OR UNDER HIS DIRECT SUPERVISION. THE ENGINEER OF RECORD IS NOT LIABLE FOR ANY NON-STRUCTURAL ISSUES UNLESS SPECIFICALLY CONTRACTED OTHERWISE. C.E. IS NOT RESPONSIBLE FOR THE COST OF CONSTRUCTION NOR PROJECT BUDGETS, U.N.O. ANY
19. STRUCTURAL CHANGES REQUIRED BY THE CONTRACTOR, OWNER, ARCHITECT, ETC.. SHALL BE INVOICED BY C.E. AND TREATED AS ADDITIONAL SERVICES. C.E. SHALL BE COMPENSATED FOR ADDITIONAL ENGINEERING REQUIRED AS A RESULT OF ANY THIRD PARTY OR
20. CITY REVIEW. PROVIDED ORIGINAL DESIGN IS IN ACCORDANCE WITH THE CURRENT BUILDING CODE. OMISSIONS IDENTIFIED DURING PLAN REVIEW OR CONSTRUCTION SHALL BE ENGINEERED BY THE ENGINEER OF
21. RECORD AT NO ADDITIONAL COST TO THE OWNER. THE OWNER SHALL BE RESPONSIBLE FOR PAYMENT OF OMISSIONS THROUGH AN APPROVED CHANGE ORDER. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION.
22. CHECKING OF SUBMITTAL ITEMS BY C.E. IS ONLY FOR GENERAL CONFORMATION WITH THE DESIGN CONCEPT
23. OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR: DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE; FABRICATION PROCESS AND TECHNIQUES OF CONSTRUCTION; COORDINATION OF HIS WORK WITH THAT OF ALL OTHER TRADES AND THE SATISFACTORY PERFORMANCE OF HIS WORK.

DESIGN CODE

2015 INTERNATIONAL BUILDING CODE (IBC)

DESIGN CRITERIA

SNOW LOADING:	
SLOPED-ROOF SNOW LOAD, PS	=30PSF
SNOW EXPOSURE FACTOR, CE	=1.0
SNOW LOAD IMPORTANCE FACTOR, I	=1.0
THERMAL FACTOR, CT	=1.0
WIND LOADING:	
BASIC WIND SPEED (3-SEC. GUST)	=115MPH
WIND IMPORTANCE FACTOR WIND	=1.0
EXPOSURE INTERNAL PRESSURE	=B
COEFFICIENT	= +/-0.18
SEISMIC LOADING:	
SEISMIC IMPORTANCE FACTOR	=1.0
RISK CATEGORY	=II
SS, S1	=1.077G, 0.36G
SITE CLASS	=D
SDS, SD1	=0.768G, 0.403G
SEISMIC DESIGN CATEGORY	=D
BASIC SEISMIC-FORCE-RESISTING SYSTEM	=ORDINARY REINFORCED MASONRY SHEARWALLS
CS	=0.384

DESIGN LOADS

ROOF LIVE LOAD	=30PSF
ROOF DEAD LOAD	=15PSF
FLOOR LIVE LOAD	=40PSF
FLOOR DEAD LOAD	=12PSF

EARTHWORK:

DESIGN CRITERIA

1. SOILS REPORT:	NONE
2. SOIL BEARING PRESSURE:	1500 PSF
3. FROST PROTECTION:	30 INCHES
4. COEFF. OF FRICTION	0.35

REQUIREMENTS

1. CONTRACTOR TO REMOVE ETC. EXISTING FOOTINGS, FOUNDATIONS, SLABS, SITE PAVING, DEBRIS, AND STRUCTURES AS REQUIRED.
2. CONTRACTOR SHALL STRIP THE BUILDING AREA FROM ALL VEGETATION, DEBRIS AND TOPSOIL. CONTRACTOR SHALL EXCAVATE ANY REMAINING LOOSE NATURAL OR FILL SOILS TO EXPOSE COMPETENT NATURAL SOILS.
3. CONTRACTOR SHALL CHECK FOR SOFT SPOTS OR OTHER UNSUITABLE SOILS BY PROOF ROLLING THE ENTIRE BUILDING PAD AREA WITH NORMAL COMPACTION EQUIPMENT. REMOVE UNSUITABLE MATERIALS AND REPLACE WITH COMPACTED ENGINEERED STRUCTURAL FILL OR 2,000 PSI LEAN CONCRETE. (FLOWABLE FILL). IF THE GROUND WATER IS HIGH, PROOFROLLING IS NOT RECOMMENDED AND 2 FEET OF STRUCTURAL SITE GRADING FULLS ARE RECOMMENDED TO RAISE THE OVERALL SITE GRADE.
4. ENGINEERED OR STRUCTURAL FILL MATERIAL SHALL BE WELL-GRADED, GRANULAR, WITH A MAXIMUM SIZE LESS THAN 4 INCHES, AND NOT MORE THAN 18 PERCENT FINES PASSING A NO. 200 SIEVE. PLACE STRUCTURAL FILL IN MAXIMUM LIFTS OF 8 INCHES. COMPACT STRUCTURAL FILL TO 95 PERCENT OF THE MAXIMUM LABORATORY DENSITY AS DETERMINED BY ASTM D 1557, UNO. TEST ALL STRUCTURAL FILL. FILL MATERIAL AND PLACEMENT OF ALL FILL MATERIAL MUST MEET THE APPROVAL OF THE SOILS ENGINEER.
5. SEE PLANS FOR THICKNESS OF ALL FLOOR SLABS. UNDERLAY ALL SLABS WITH AT LEAST A 4 INCH THICK LAYER OF FREE-DRAINING GRANULAR MATERIAL. GRANULAR MATERIAL SHALL BE "PEA" GRAVEL OR ¾ - 1 INCH MINUS CLEAN GAP-GRADED GRAVEL.
6. REFER TO THE PROJECT SPECIFICATIONS AND SOILS REPORT FOR FURTHER EARTHWORK REQUIREMENTS.
7. ANY UNFORSEEN CONDITIONS ENCOUNTERED DURING SITE PREPARATION SHALL BE BROUGHT TO THE ATTENTION OF THE SOILS ENGINEER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE ALL SITE SOILS CONDITIONS FIELD VERIFIED.
9. EXPANSIVE SOILS, COLLAPSIVE SOILS, SOILS WITH A HIGH LIQUEFACTION POTENTIAL, HIGH WATER TABLE, STEEP SLOPES, ETC. ALL REQUIRE ADDITIONAL ENGINEERING. CONTRACTOR TO COORDINATE WITH PROJECT ENGINEER AND SOILS ENGINEER.
10. IF NO SOILS REPORT HAS BEEN PROVIDED THE SOILS DESIGN CRITERIA HAS BEEN ASSUMED PER TABLE 1804.2 OF THE IBC. A BEARING PRESSURE OF 1500 PSF HAS BEEN USED FOR DESIGN. THE CONTRACTOR AND OWNER ARE RESPONSIBLE TO HAVE ALL SITE CONDITIONS, SOILS, FILLS, ETC.. FIELD VERIFIED PRIOR TO STARTING CONSTRUCTION.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DE-WATERING AS REQUIRED FOR CONSTRUCTION.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY BRACED, TIEBACK, SLURRY WALLS OR SHEET PILING REQUIRED FOR EXCAVATIONS.
13. ALL EARTHWORK, MATERIALS AND PLACEMENT MUST MEET THE APPROVAL OF THE GEOTECHNICAL / SOILS ENGINEER.
14. BACKFILL AROUND FOUNDATION WALLS SHALL BE PERFORMED USING GRANULAR MATERIAL. CARE SHALL BE TAKEN IN PLACING BACKFILL MATERIALS SO AS NOT TO DAMAGE THE FOUNDATION. CONTRACTOR TO MONITOR AS NEEDED.

CONCRETE NOTES

1. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE 2015 IBC, ACI 318, AND LOCAL ORDINANCES.
2. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, AND ARCHITECTURAL PRIOR TO PLACING CONCRETE. PROVIDE SLEEVES, BLOCK OUTS, ETC... AS REQUIRED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER PLACEMENT OF ALL ANCHOR BOLTS, SEISMIC ANCHORS OR STRAPS, ETC... INSTALL PER MANUFACTURER'S SPECIFICATIONS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, DETAILING, CARE, PLACEMENT AND REMOVAL OF ALL FORMWORK AND SHORES.
5. DO NOT REMOVE FORMS AND SHORING UNTIL STRUCTURAL MEMBERS ACQUIRE SUFFICIENT STRENGTH TO SUPPORT THEIR OWN WEIGHT PLUS CONSTRUCTION LOADS.

CONCRETE AND REINFORCING MATERIAL

1. REQUIRED MIN. 28 DAY COMPRESSIVE STRENGTH OF CONCRETE:

A. FOOTINGS AND FOUNDATIONS:	3000 PSI
B. INTERIOR SLABS ON GRADE:	4500 PSI U.N.O.
C. WALLS:	4000 PSI
D. CONCRETE OVER STEEL DECK:	4000 PSI
E. SITE CONCRETE:	4000 PSI

2. PROVIDE NORMAL WEIGHT AGGREGATES PER ASTM C-33. U.N.O.
3. PROVIDE TYPE I OR II CEMENT PER ASTM C-150 FOR ALL CONCRETE. U.N.O.
4. MAXIMUM WATER TO CEMENT RATIO IS EQUAL TO 0.50 FOR ALL CONCRETE.
5. MAXIMUM SLUMP OF CONCRETE IS EQUAL TO 4 INCHES PLUS OR MINUS 1 INCH.
6. PROVIDE AIR ENTRAINING AS RECOMMENDED BY ACI 318 AND ASTM C-260.
7. DO NOT ADD CALCIUM CHLORIDE TO CONCRETE MIX.
8. THE MAX. CHLORIDE ION CONTENT FOR CORROSION PROTECTION OF REINFORCEMENT IS 0.15% BY WEIGHT OF CEMENT.
9. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL CONCRETE DESIGN REQUIREMENTS.

FOOTINGS

1. ALL FOOTINGS SHALL BE 12" THICK & PROPERLY FORMED. INTERIOR FOOTINGS MAY BE MONOLITHIC WITH SLAB.
2. ALL EXTERIOR FOOTINGS SHALL BEAR BELOW FROST DEPTH (30 INCHES, FIELD VERIFY)
3. FOOTINGS SHALL BEAR ON UNDISTURBED NATURAL MATERAL, OR ON PROPERLY PLACED ENGINEERED FILL. SEE EARTHWORK NOTES FOR ADDITIONAL REQUIREMENTS, AND SOILS REPORT.
4. CONTRACTOR SHALL STEP FOOTINGS & FOUNDATION AS REQUIRED.
5. NO FOOTING SHALL BE PLACED IN WATER OR ON FROZEN GROUND.

REINFORCEMENT

1. ALL REINFORCING STEEL SHALL BE GRADE 60 BARS PER ASTM A615. FIELD BENT DOWELS MAY BE GRADE 40.
2. ALL DEFORMED BAR ANCHORS SHALL CONFORM TO ASTM A496.
3. ALL HEADED STUD ANCHORS SHALL CONFORM TO ASTM A108.
4. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM 185. LAP ONE MESH TIE.
5. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH THE ACI DETAILING MANUAL AND ACI STANDARDS (LATEST ADDITION).
6. REINFORCING STEEL AND EMBEDS SHALL BE PROPERLY TIED INTO PLACE PRIOR TO PLACING CONCRETE.
7. ALL SPLICES IN REINFORCING BARS SHALL LAP A MINIMUM OF 40 BAR DIAMETERS (U.N.O.). ALL SPLICES SHALL OCCUR IN A COMPRESSION ZONE UNLESS NOTED OTHERWISE. TERMINATE ALL REINFORCING BARS WITH A 90 DEG. BEND OR WITH SEPARATE CORNER BARS.
8. MECHANICAL SPLICES SHALL BE POSITIVE CONNECTING COUPLERS AND SHALL MEET ALL APPLICABLE CODE REQUIREMENTS. ADJACENT MECHANICAL SPLICES SHALL BE STAGGERED A MINIMUM OF 24 INCHES ALONG THE REINFORCING BARS. TENSILE CAPACITY OF MECHANICAL SPLICES SHALL BE 125% OF THE SPLICED BAR.
9. HORIZONTAL REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION AND CONTROL JOINTS.
10. DO NOT SPLICE STIRRUPS AND TIES.
11. DO NOT WELD REINFORCING BARS. DO NOT SUBSTITUTE REINFORCING BARS FOR DEFORMED ANCHOR BARS OR HEADED ANCHOR STUDS.
12. REINFORCEMENT SHALL HAVE THE FOLLOWING CLEAR COVER:

A. CAST-IN-PLACE CONCRETE:

i. CAST AGAINST/PERMANENTLY EXPOSED TO EARTH	3"
ii. FORMED CONCRETE EXPOSED TO EARTH/WEATHER:	
a. #6 THRU #18 BARS	2"
b. #5 AND SMALLER BARS	1-1/2"
iii. CONCRETE NOT EXPOSED EARTH/WEATHER:	
a. SLABS, WALLS, JOISTS (#11 AND SMALLER)	3/4"
b. BEAMS, COLUMNS, TIES, STIRRUPS	1-1/2"

FOUNDATION AND RETAINING WALLS

1. BRACE WALLS AS REQUIRED UNTIL FLOOR SLABS AND/OR FLOOR FRAMING ARE IN PLACE, AND UNTIL WALLS HAVE PROPERLY CURED.
2. BACKFILL ADJACENT TO FOUNDATION WALLS OR IN LANDSCAPED AREAS SHALL BE PLACED IN 8 INCH MAXIMUM LOOSE LIFTS. FILL SHALL BE COMPACTED TO AT LEAST 90% AND HAVE THE MOISTURE CONTENT WITHIN 2% OF OPTIMUM MAXIMUM DENSITY (ASTM D 1557). HEAVY EQUIPMENT SHALL NOT BE USED TO BACKFILL WITHOUT PRIOR CONSENT OF THE ENGINEER.
3. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE METHOD BEHIND FOUNDATION AND RETAINING WALLS.
4. CONSTRUCTION JOINTS (COLD JOINTS) IN WALLS SHALL BE WATERPROOFED TO PREVENT LEAKS.
5. DO NOT SPLICE VERTICAL BARS IN RETAINING WALLS UNLESS SPECIFICALLY SHOWN.
6. CONTRACTOR SHALL COORDINATE STEPS IN WALLS WITH THE ARCHITECT, AND SHALL VERIFY WITH COMPASS ENGINEERING.
7. PROVIDE CORNER BARS AT INTERSECTING WALL CORNERS USING THE SAME BAR SIZE AND SPACING AS THE HORIZONTAL WALL REINFORCING.
8. PROVIDE VERTICAL DOWELS INTO FOOTINGS AND FOUNDATIONS THAT MATCH THE SIZE AND SPACING OF THE VERTICAL REINFORCEMENT IN THE ABOVE MEMBER.
9. DO NOT SURCHARGE FDN. AND RETAINING WALLS WITH EQUIPMENT NOR STAGING.
10. PROVIDE (2) #5 BARS MIN. AROUND ALL DOOR AND WINDOW OPENINGS. U.N.O.
11. PENETRATIONS THROUGH PANELS SHALL BE REINFORCED BY PROVIDING ONE ADDITIONAL BAR AT THE EDGE OF OPENING FOR EACH BAR INTERUPTED BY THE PENETRATION. PROVIDE UNIFORM NUMBER OF BARS EACH SIDE. PROVIDE (2) #5 DIAGONAL BARS ON 4 SIDES TYP. U.N.O.
12. SEE SCHEDULES, TABLES, AND DETAILS FOR ADDITIONAL REINFORCING AND INFORMATION.

SLABS

1. REINFORCE ALL SLABS W/ #4 @ 18" O.C. EACH WAY, OR WITH 6 x 6 - W2.1xW2.1 WELDED WIRE FABRIC (WWF) UNLESS NOTED OTHERWISE ON THE PLAN. REINFORCEMENT SHALL BE PLACED 1/4th THE SLAB THICKNESS + 1/2" BELOW THE TOP OF SLAB. WELDED WIRE FABRIC MAY BE 100% VIRGIN POLYPROPYLENE FIBRILLATED FIBERS PER CUBIC SUBSTITUTED WITH 1.5 POUNDS OF 100 YARD OF CONCRETE. U.N.O.
2. ALL REINFORCING BARS SHALL BE CHAIRED IN THE SLAB. WWF SHALL BE CONTINUOUSLY SUPPORTED AT 36" ON CENTER PRIOR TO PLACING CONCRETE.
3. BEGIN POUR OF COMPOSITE STEEL DECK AND CONCRETE FLOORS AT OR NEAR A SUPPORT OR BEARING WALL TO AVOID EXCESSIVE DEFLECTION AND/OR STRESSING OF THE FLOOR STRUCTURE. SEE SUSPENDED SLAB CONSTRUCTION NOTES FOR ADDITIONAL REQUIREMENTS.
4. RECESS FOUNDATION AND POUR SLABS THROUGH, TYPICAL AT ALL EXTERIOR DOORS AND STORE FRONT TYPE WINDOWS.
5. DEPRESS SLABS AS REQUIRED IN AREAS OF CERAMIC TILE, SPECIAL ENTRY MATS, HARDWOOD FLOORS, ETC. COORDINATE LOCATION AND DEPTH WITH THE ARCHITECT.
6. PROVIDE ISOLATION JOINTS AROUND COLUMNS/SPREAD FOOTINGS, AND CONTROL JOINTS AS REQUIRED (I.E., WHERE SLABS TRANSITION IN SIZE).
7. THE CONTRACTOR SHALL ENSURE THAT HEAVY EQUIPMENT AND STAGING AREAS DO NOT CRACK AND DAMAGE SLABS. DAMAGED SLABS SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL EXPENSE TO THE OWNER.
8. PROVIDE 2 - #4 BARS X 48 INCHES AT ALL DISCONTINUOUS CONTROL OR CONSTRUCTION JOINTS IN SLAB-ON-GRADE.
9. SPACING BETWEEN CONSTRUCTION OR CONTROL JOINTS IN SLABS-ON-GRADE SHALL NOT EXCEED 15'-0" FOR 4" THICK SLABS AND 20'-0" FOR 5" AND 6" THICK SLABS.
10. THE LENGTH TO WIDTH RATIO OF CONTROL JOINTS SHALL NOT EXCEED 1.25:1. CONSTRUCTION AND CONTROL JOINTS SHALL BE INSTALLED AS DETAILED IN THE DRAWINGS.
11. SAWCUT JOINTS SHALL BE MADE WITHIN 12 HOURS AT PLACING CONCRETE.
12. PROVIDE (1) DIAGONAL #4 BAR x 48" AT ALL INSIDE CORNERS.
13. ALL SLABS SHALL BE PROPERLY CURED.
14. REFER TO THE ARCHITECTURAL PLANS FOR SPECIFICATION OF ALL FLAT WORK.
15. PROVIDE 4" MIN. OF FREE-DRAINING GRANULAR MATERIAL, "PEA" GRAVEL OR 3/4" TO 1" MINUS CLEAN GAP-GRADED GRAVEL, UNDER ALL SLABS-ON-GRADE.
16. PROPERLY CURE ALL CONCRETE. ALL CONCRETE (OTHER THAN HIGH-EARLY-STRENGTH) SHALL BE MAINTAINED ABOVE 50 F AND A MOIST CONDITION FOR AT LEAST THE FIRST 7 DAYS AFTER PLACEMENT, (HIGH-EARLY-STRENGTH CONCRETE TO REMAIN IN A MOIST CONDITION FOR THE FIRST 3 DAYS) EXCEPT WHEN CURED IN ACCORDANCE WITH ACI 318-"ACCELERATED CURING".

STEEL NOTES:

1. ALL WORK TO BE IN STRICT ACCORDANCE WITH THE 2015 IBC, LOCAL ORDINANCES, AWS STRUCTURAL WELDING CODE, AND THE FOLLOWING AISC PUBLICATIONS: "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUTURAL STEEL FOR BUILDINGS" WITH "COMMENTARY", "CODE OF STANDARD PRACTICE", SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", AND "SEISMIC PROVISION FOR STRUCTURAL BUILDINGS".
2. ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION AND ERECTION.
3. SEE ARCHITECTURAL SHEETS FOR DIMENSIONS AND DECK BEARING ELEVATIONS.
4. SEE ARCHITECTURAL FOR ACCESS HATCHES, DRAFT STOPS, ETC.
5. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL FOR ADDITIONAL STEEL MEMBERS (BRACKETS, ANGLES, ETC...) REQUIRED.
6. SUBMIT SHOP DRAWINGS OF ALL STRUCTURAL STEEL, STEEL JOISTS, STEEL DECKING AND MISCELLANEOUS STEEL TO COMPASS ENGINEERING, LLC. FOR APPROVAL PRIOR TO FABRICATION.
7. ALL STEEL SHALL BE PROPERLY PRIMED EXCEPT AREAS THAT REQUIRE FIELD WELDING.
8. PROVIDE A STANDARD AISC FRAMED CONNECTION FOR ONE HALF THE BEAM'S TOTAL UNIFORM LOAD CAPACITY WHERE A CONNECTION IS NOT SHOWN.
9. STEEL DETAILER SHALL PROVIDE STANDARD STAIR DETAILING INCORPORATING C12 x 20.7 STRINGERS OR APPROVED EQUAL (U.N.O.). SUBMIT DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.
10. PROVIDE ADDITIONAL STEEL AS REQUIRED FOR; POUR STOPS, DECK ANGLES @ ROOF AND FLOORS, DECK SUPPORT ANGLES AS NEEDED, ROOF AND FLOOR DIAPHRAGM CHORDS, CLIP ANGLES, ETC.. AS NEEDED.
11. REINFORCE DECK OPENINGS FOR SKYLIGHTS, ACCESS HATCHES, MECHANICAL EQUIPMENT, ETC. WITH L4x4x3/8" OR L6x4x5/16" U.N.O., ON ALL EDGES. ANGLES SHALL SPAN BETWEEN JOISTS AND BETWEEN OTHER ANGLES ETC... AS REQUIRED. USE 1/4" MIN. FILLET WELDS.
12. ANY CONNECTION NOT DETAILED SHALL BE THE RESPONSIBLILITY OF THE STEEL FABRICATOR. CONNECTIONS MUST BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER. CONNECTIONS MUST ACCOUNT FOR ALL LOADS & STRESSES INCLUDING BUT NOT LIMITED TO ; GRAVITY, SEISMIC, WIND, THERMAL STRESSES, EXPANSION / CONTRACTION ETC...
13. CAMBERING OF STEEL BEAMS SHALL BE PROVIDED BY LOCAL STEEL FABRICATOR OF STEEL MILL. SHOP CAMBERING OF BEAMS SHALL BE DONE BY A HEAT/SHRINK METHOD. ANY OTHER METHOD OF CAMBERING SHALL BE APPROVED BY AISC AND PROJECT ENGINEER.
14. ALL EXPOSED STEEL SHALL HAVE WELDS GROUND SMOOTH.

MATERIALS

1. WIDE FLANGE SECTIONS:	ASTM A992 (50 KSI).
2. OTHER SHAPES AND PLATES:	ASTM A36.
3. TUBULAR COLUMNS:	ASTM A500 GRADE B (46 KSI).
4. PIPE COLUMNS:	ASTM A501 (36 KSI) OR A53 GRADE B.
5. DEFORMED BAR ANCHORS:	ASTM A496
6. HEADED STUD ANCHORS:	ASTM A108
7. ANCHOR BOLTS:	ASTM A307 WITH ASTM A563 HEAVY HEX NUTS WITH HARDENED WASHERS GRADE A (U.N.O.)
8. BOLTED CONNECTIONS:	ASTM A325-N (3/4" DIAMETER MIN.)
9. WELDS:	E70 XX AT ALL JOISTS E60 XX AT ALL DECKS E70 XX AT ALL OTHER LOCATIONS

CONSTRUCTION

1. ALL WELDS AND BOLTING TO MEET APPROVAL OF SPECIAL INSPECTOR AS REQUIRED BY BUILDING OFFICIAL.
2. ALL WELDING AND CUTTING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS.
3. ALL INTERSECTING STEEL SHAPES WHICH ARE NOT BOLTED SHALL BE CONNECTED BY A FILLET WELD ALL AROUND, UNLESS NOTED OTHERWISE.
4. FOR THICKNESSES 1/4" AND LARGER, WELD SIZES SHALL BE 1/16" LESS THAN THE THINNEST CONNECTED PART, UNLESS NOTED OTHERWISE. FOR THICKNESSES LESS THAN 1/4", WELD SIZE SHALL BE THE SAME SIZE AS THE THINNEST CONNECTED PART, UNLESS NOTED OTHERWISE.
5. DO NOT WELD REBAR OR ANCHOR BOLTS, INCLUDING "TACK" WELDS.
6. WELD HEADED STUD ANCHORS AND DEFORMED BAR ANCHORS PER MANUFACUTER'S SPECIFICATIONS.
7. TIGHTEN BOLTS BY THE TURN OF THE NUT, CALIBRATED WRENCH, OR DIRECT TENSION INDICATOR METHOD.
8. USE HARDENED WASHERS BENEATH THE TURNED ELEMENT OF ALL BOLTS OR NUTS. ALSO USE HARDENED BEVELED WASHERS TO COMPENSATE FOR THE LACK OF PARALLELISM.
9. PROVIDE HARDENED WASHERS BENEATH THE HEAD AND NUT WHERE A490 BOLTS ARE SPECIFIED PER AISC REQUIREMENTS.
10. HARDENED WASHERS AND PLATES AT OVERSIZED HOLES SHALL CONFORM TO ASTMF-436 AND SHALL .COMPLETELY COVER THE SLOT AFTER INSTALLATION.
11. DO NOT REUSE BOLTS, NUTS OR WASHERS.
12. PROVIDE FULL-DEPTH STIFFENER PLATES AT EACH SIDE OF ALL BEAMS AT ALL BEARING POINTS. STIFFENER PLATE THICKNESS EQUALS THE BEAM WEB THICKNESS (1/4" MIN.). FILLET WELD BOTH SIDES OF STIFFENER, ALL AROUND.
13. STANDARD PENETRATIONS THROUGH STRUCTURAL MEMBERS FOR MECHANICAL, PLUMBING, ELECTRICAL SYSTEMS, ETC. SHALL BE PROVIDED ON THE CENTER LINE OF THE MEMBER'S DEPTH AND WITHIN THE MIDDLE ONE-THIRD OF THE SPAN. PENETRATIONS LARGER THAN STANDARD (OR GREATER THAN 1/3 THE BEAM DEPTH) ARE NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM COMPASS ENGINEERING, LLC.

WOOD FRAMING NOTES:

1. ALL WORK TO BE IN STRICT ACCORDANCE WITH THE 2015 IBC, NDS, AND LOCAL ORDINANCES.

ENGINEERED LUMBER

1. GLU-LAMINATED BEAMS FOR SIMPLE SPANS SHALL BE 24F-V4 DF/DF. GLU-LAMINATED BEAMS FOR CONTINUOUS SPANS AND CANTILEVERS SHALL BE 24F-V8 DF/DF. DO NOT INSTALL GLU-LAMINATED BEAMS UPSIDE DOWN.
2. LAMINATED VENEER LUMBER AND THE LIKE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
3. I-JOISTS SHALL BE TJI OR EQUIVALENT, AND SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
4. ENGINEERED LUMBER, WITH THE EXCEPTION OF GLU-LAMINATED LUMBER, SHALL NOT BE USED IN EXTERIOR APPLICATIONS. 5. USE REDWOOD OR PRESSURE TREATED LUMBER FOR ALL WOOD IN CONTACT WITH CONCRETE, MASONRY, OR EARTH (i.e. MUD SILL).

DIMENSIONAL LUMBER

1. DIMENSIONAL LUMBER USED AS STRUCTURAL FRAMING (i.e. JOISTS, RAFTERS, AND HEADERS) SHALL BE DOUGLAS FIR-LARCH NO.2 OR EQUAL.
2. DIMENSIONAL LUMBER USED FOR STUD WALLS SHALL BE STUD GRADE 2x6 UNLESS NOTED OTHERWISE. SPACE AT 16" O.C. MINIMUM, WITH A DOUBLE TOP PLATE. SPLICES IN THE DOUBLE TOP PLATE SHALL ALTERNATE TOP AND BOTTOM.
3. ALL SILL PLATES ARE TO BE BOLTED TO FOUNDATION w/ 5/8" DIA x 10" J-BOLTS @ 32" O.C. MAXIMUM, UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS AND SHEARWALL SCHEDULE.
4. IN NO CASE SHALL 2 X 4" BEARING WALLS SUPPORT MORE THAN TWO FLOORS OF FRAMING IN ADDITION TO ROOF AND CEILING.
5. REFER TO CONSTRUCTION DOCUMENTS FOR ROUGH CUT TIMBER USED AS STRUCTURAL FRAMING.
6. ALL NAILS SPECIFIED ON THE DETAILS AND SCHEDULES SHALL BE COMMON NAILS UNLESS NOTE OTHERWISE.

COLUMNS

1. ALL COLUMNS SHALL EXTEND DOWN THROUGH THE STRUCTURE TO THE FOUNDATION.
2. COLUMNS SHALL BE BRACED AT EACH FLOOR LEVEL.
3. POSTS SHALL BE DOUGLAS FIR-LARCH NO. 1 OR EQUAL.
4. BEARING POINTS OF COLUMNS ARE TO BE SUPPORTED BY ADDITIONAL BUILT-UP BLOCKING AT JOISTS AND RAFTERS EQUAL TO THE NUMBER OF PLYS IN POST OR EQUAL TO WIDTH OF POST. BLOCKING SHALL BE CONSTRUCTED USING RIM BOARD MATERIAL OR SOLID SAWN LUMBER.

FLOOR, ROOF AND WALL SHEATHING

1. ALL ROOF SHEATHING SHALL BE A MINIMUM OF 5/8" APA EXP. 1 RATED SHEATHING OR EQUAL WITH 10d COMMON NAILS AT 6" O.C. PERIMETER, 6" O.C. PANEL EDGES, AND AT 12" O.C. IN THE FIELD UNLESS NOTED OTHERWISE ON SHEATHING SCHEDULE.
2. PROVIDE 2 X SHAPED BLOCKING AT RIDGES UNLESS A CONTINUOUS MEMBER EXISTS. PANEL EDGES ARE UNBLOCKED UNLESS NOTED OTHERWISE ON THE STRUCTURAL PLANS.
3. ALL FLOOR SHEATHING SHALL BE A MINIMUM OF 3/4" THICK T&G SHEATHING GLUED AND NAILED WITH 10d COMMON NAILS OR EQUAL AT 6" O.C. PERIMETER, 6" O.C. PANEL EDGES, AND AT 10" O.C. IN THE FIELD UNLESS NOTED OTHERWISE ON SHEATHING SCHEDULE. PANEL EDGES ARE UNBLOCKED UNLESS NOTED OTHERWISE ON THE STRUCTURAL PLANS.
4. ALL EXTERIOR WALLS SHALL BE SHEATHED WITH 7/16" APA EXP. 1 RATED SHEATHING OR EQUAL WITH 8d COMMON NAILS AT 6" O.C. EDGES AND AT 12" O.C. IN THE FIELD - FLAT BLOCKED AT ALL PANEL EDGES, UNLESS NOTED OTHERWISE IN THE STRUCTURAL PLANS AND SHEAR WALL SCHEDULE.
5. AT ROOF AND FLOOR DIAPHRAGMS, PANEL EDGE NAILING IS TO INCLUDE DRAG STRUTS, TENSION CHORDS, BLOCKING OVER BEARING WALLS AND SHEAR WALLS, AND ANY OTHER SPECIAL DIAPHRAGM MEMBERS NOTED ON PLANS.
6. AT SHEAR WALLS, PANEL EDGE NAILING IS TO INCLUDE TOP AND BOTTOM PLATES, END POSTS, ALL VERTICAL ELEMENTS @ HOLDOWN ANCHORS, AND HORIZONTAL BLOCKING. ALL PANEL EDGES MUST BE BLOCKED.

STRUCTURAL CONNECTIONS

1. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO PROVIDE ADEQUATE STRUCTURAL CONNECTIONS. CONNECTIONS MUST CARRY THE BEARING CAPACITY OF THE MEMBER AND ANY UPLIFT OR SEISMIC FORCES GENERATED IN THE MEMBER. SPECIAL CONSIDERATION SHALL BE GIVEN TO PREVENT CRUSHING OF THE MEMBER AT BEARING, SPLITTING AND / OR CRACKING OF THE WOOD, ETC.
2. WRITTEN PRIOR APPROVAL FROM COMPASS ENGINEERING IS REQUIRED FOR ANY DEVIATION FROM THE CONSTRUCTION DOCUMENTS. COMPASS ENGINEERING IS NOT RESPONSIBLE FOR CONNECTIONS NOT APPROVED PRIOR TO CONSTRUCTION OR INSTALLATION.
3. PROVIDE SIMPSON CONNECTIONS OR EQUAL IF CONNECTION DETAILS ARE NOT PROVIDED IN THE CONSTRUCTION DOCUMENTS. INSTALL PER MANUFACTURERS RECOMMENDATIONS. REQUEST ADDITIONAL ASSISTANCE FROM COMPASS ENGINEERING IF NON-STANDARD CONNECTIONS ARE REQUIRED.
4. ALL STRUCTURAL MEMBERS SHALL HAVE 1 3/4" BEARING (MINIMUM).
5. SEE SCHEDULES IN THE 2015 IBC FOR ADDITIONAL NAILING PATTERNS.
6. FASTENERS USED BELOW GRADE IN PONY WALLS, CRIPPLE WALLS OR KNEE WALLS AND FASTENERS USED TO ATTACH SHEATHING TO THE EXTERIOR FACE OF EXTERIOR BASEMENT OR CRAWLSPACE WALL STUDS SHALL BE TYPE 304 OR 316 STAINLESS STEEL.
7. FASTENERS USED ABOVE GRADE TO ATTACH SHEATHING TO PRESSURE TREATED SILL PLATES SHALL BE OF TYPE 304 OR 316 STAINLESS STEEL, SILICON BRONZE, COPPER, HOT-DIPPED GALVANIZED (ZINC COATED) STEEL NAILS, OR HOT-TUMBLED GALVANIZED (ZINC COATED) STEEL NAILS. ELECTRO-GALVANIZED STEEL NAILS AND GALVANIZED (ZINC COATED) STEEL STAPES SHALL NOT BE PERMITTED.

BLOCKING, BRIDGING, MISCELLANEOUS.

1. ALL JOISTS AND RAFTERS SHALL HAVE FULL-HEIGHT SOLID BLOCKING AT THEIR BEARING POINTS. CONNECT EACH BLOCK TO THE TOP OF EXTERIOR WALLS WITH SIMPSON A34 CLIPS (U.N.O.). EACH RAFTER AND/OR ROOF TRUSS SHALL BE ANCHORED WITH SIMPSON H1 ANCHORS AT EACH END.
2. I-JOIST JOISTS USED AS JOISTS AND RAFTERS SHALL HAVE FULL-HEIGHT SOLID BLOCKING AT THEIR BEARING POINTS. CONNECT EACH BLOCK TO THE TOP OF EXTERIOR WALLS WITH SIMPSON A34 CLIPS (U.N.O.). EVERY OTHER I-JOIST RAFTER SHALL BE ANCHORED WITH A SIMPSON H3 CLIP.
3. INSTALL BRIDGING AT THE MID-SPAN OF ALL FLOOR JOISTS AND/OR AT 8'-0 O.C. (WHICH EVER IS SMALLER). INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS TO AVOID EXCESSIVE FLOOR VIBRATION AND/OR SQUEAKING.
4. STANDARD PENETRATIONS THROUGH STRUCTURAL MEMBERS FOR MECHANICAL, PLUMBING, ELECTRICAL SYSTEMS, ETC. SHALL BE PROVIDED ON THE CENTER LINE OF THE MEMBER'S DEPTH AND WITHIN THE MIDDLE ONE-THIRD OF THE SPAN. LARGER THAN STANDARD PENETRATIONS ARE NOT PERMITTED WITHOUT PRIOR APPROVAL.
5. BIRDS MOUTHS AND/OR NOTCHING OF STRUCTURAL MEMBERS NOT SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS IS NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL.

FABRICATED FRAMING

1. FABRICATED (PRE-ENGINEERED) TRUSSES MAY BE USED FOR ROOF AND/OR FLOOR FRAMING. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. TRUSS MANUFACTURER SHALL DESIGN TRUSSES FOR ALL LOADS PER IBC, INCLUDING UNBALANCED SNOW LOADS, SNOW DRIFTING, SNOW BUILD UP IN VALLEYS AND ON EAVES, ETC. TRUSS MANUFACTURER SHALL RECOMMEND AND PROVIDE ALL REQUIRED TRUSS BRACING, BLOCKING, TRUSS TO TRUSS AND TRUSS TO BEAM CONNECTIONS, ETC. SEE GENERAL TRUSS NOTES.
2. SHOP DRAWINGS FOR ALL FABRICATED FRAMING SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION.

WOOD TRUSS NOTES:

DESIGN LOADS FOR WOOD ROOF TRUSSES:

TOP CHORD LIVE LOAD	=30PSF
TOP CHORD DEAD LOAD	=10PSF
BOT CHORD LIVE LOAD	=0PSF
BOT CHORD DEAD LOAD	=5PSF
TOTAL DESIGN LOAD	=45PSF
ADDITIONAL WIND LOADING	=72PSF OVER PRESSURE LOAD

DEFLECTION CRITERIA FOR WOOD ROOF TRUSSES:

LIVE LOAD DEFLECTION	=L/360
TOTAL LOAD DEFLECTION	=L/240

WOOD TRUSS DESIGN

1. THE TRUSSES SHALL ALSO BE DESIGNED PER THE 2015 IBC, AND LOCAL ORDINANCES. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN AND FABRICATION OF THE PRE-ENGINEERED TRUSSES, PER THE DESIGN CRITERIA ABOVE. DESIGN MUST TAKE INTO ACCOUNT UNBALANCED SNOW LOADS, SNOW DRIFTING, INCREASED SNOW LOADS ON EAVES AND IN VALLEYS, IMPACT LOADS FROM FALLING SNOW AND ICE, ETC.
2. COMPASS ENGINEERING IS NOT RESPONSIBLE FOR THE DESIGN, INSTALLATION, ETC. OF THE TRUSSES. SHOP DRAWINGS FOR ALL WOOD TRUSSES SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
3. ALL TRUSS TO TRUSS CONNECTORS SHALL BE SPECIFIED BY THE TRUSS MANUFACTURER.
4. THE TRUSSES SHALL BE DESIGNED TO CARRY ANY ADDITIONAL LOADS DUE TO MECHANICAL UNITS, OVERHEAD DOORS, ROOF OVERBUILDS, ETC. SEE STRUCTURAL PLANS FOR ADDITIONAL REQUIREMENTS.
5. ALL MEMBERS SHALL BE DESIGNED FOR COMBINED STRESSES, BASED ON THE WORST LOADING CONDITION.
6. BOTTOM CHORDS OF TRUSSES, ACTING AS CEILING MEMBERS, MUST BE ABLE TO SUPPORT A 10 PSF LIVE LOAD PER CODE REQUIREMENTS.
7. EACH CHORD SECTION SHALL INVOLVE TWO PANEL POINTS BEFORE BEING SPLICED.
8. PROVIDE 1/8" CAMBER FOR EACH 6 FEET OF TRUSS UNLESS OTHERWISE INDICATED.
9. TRUSSES WHICH EXCEED 12'-0" IN HEIGHT MAY REQUIRE A CAP TRUSS IN ORDER TO TRANSPORT. VERIFY WITH TRUSS MANUFACTURER. BEAR ON PANEL POINTS OF SUPPORTING TRUSS. SHEATH OR BLOCK ALL CHORDS TYP. B
10. BEARING POINTS OF GIRDER TRUSSES ARE TO BE SUPPORTED BY A BUILT-UP 2x_ COLUMN EQUAL TO THE NUMBER OF PLYS IN GIRDER TRUSS PLUS TWO (2). MINIMUM OF (3) STUDS (U.N.O.).

FABRICATION AND INSTALLATION

1. FABRICATION OF TRUSSES SHALL BE AS APPROVED BY ICC. THIS SPECIFICATION SHALL GOVERN WHEN IT EXCEEDS ICC REQUIREMENTS.
2. ALL DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION.
3. FABRICATE TRUSSES FROM SHOP DRAWINGS REVIEWED AND APPROVED BY THE ARCHITECT/ENGINEER. ANY LAYOUT DEVIATION FROM STRUCTURAL DRAWINGS MUST BE APPROVED BY THE ENGINEER.
4. FABRICATE TRUSSES IN JIGS WITH MEMBERS ACCURATELY CUT TO PROVIDE GOOD BEARING AT JOINTS. JOINTS SHALL BE ACCEPTABLE IF THE AVERAGE OPENING BETWEEN ENDS OF MEMBERS IMMEDIATELY AFTER FABRICATION IS LESS THAN 1/16", EXCEPT THAT TRUSS COMPRESSION CHORD JOINTS AT SPLICES AND RIDGES SHALL HAVE FULL CONTACT BETWEEN MEMBERS.
5. TRUSS FABRICATORS USING METAL PLATES SHALL HAVE PLANT INSPECTED FOUR TIMES PER YEAR BY AN INDEPENDENT TESTING LABORATORY IN ACCORDANCE WITH TPI REGULATIONS AND COPIES OF INSPECTIONS MADE AVAILABLE TO OWNER UPON REQUEST.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE TRUSSES PER THE TRUSS MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. NO WEB OR CHORD MEMBERS SHALL BE MODIFIED IN THE FIELD.

TRUSS BRACING AND BLOCKING

1. THE TRUSS MANUFACTURER SHALL SPECIFY PROPER BRACING OF COMPRESSION CHORD MEMBERS 6'-0" LONG (OR LONGER), AS WELL AS BRACING REQUIRED FOR TRUSS ERECTION, AND ANY OTHER BRACING.
2. THE TRUSS MANUFACTURER SHALL SPECIFY ALL REQUIRED TRUSS BLOCKING. TRUSS BLOCKING SHALL BE DESIGNED FOR LATERAL LOADINGS.
3. BOTTOM CHORD OF TRUSSES TO BE SHEATHED W/ 5/8" GYPSUM WALL BOARD OR BRACED WITH CONT. 2X4 @ 6'-0" TRUSS MANUFACTURER TO VERIFY.
4. TOP CHORDS OF TRUSSES SHALL BE SHEATHED WITH ROOF SHEATHING, ELSE BRACE WITH CONT. 2X4 @ 6'-0" O.C.

METAL GUSSET PLATES

1. GUSSET PLATES SHALL BE SPECIFIED FOR GREATER OF EITHER THE MEMBER FORCES SHOWN ON DRAWINGS OR THE MEMBER FORCES DERIVED FROM STRUCTURAL ANALYSIS. PLUS OR MINUS 6%.
2. NO PANEL POINT SHALL HAVE MORE THAN ONE PLATE PER TRUSS SIDE.
3. PLATES SHALL HAVE MINIMUM BITE OF 2 1/2" ON MEMBERS. MEASURE BITE ALONG CENTER LINE OF WEBS AND PERPENDICULAR TO CHORD AXES. ORIENT PLATE AXIS PARALLEL WITH TRUSS CHORD AXIS EXCEPT WHERE CHORDS CHANGE PITCH AT JOINT.
4. PLATE SIZES: MINIMUM WIDTH OF PLATES SHALL BE 3". FOR TRUSSES OTHER THAN SCISSOR TRUSSES, DESIGN PLATES, FOR 135% OF MEMBER FORCES. FOR SCISSOR TRUSSES, DESIGN PLATES, FOR 160 % OF MEMBER FORCES. NO INCREASE IN PLATE VALUES WILL BE ALLOWED FOR DURATION OF LOADING OR OTHER FACTORS.
5. PRESS PLATES INTO MEMBERS TO OBTAIN FULL PENETRATION WITHOUT CRUSHING OUT SURFACE OF WOOD. PLATE EMBEDMENT IS ACCEPTABLE IF OPENING BETWEEN PLATE AND WOOD SURFACE IS LESS THAN 1/32".
6. A COMBINATION OF LUMBER DEFECTS AND PLATE MISPLACEMENT SHALL NOT REDUCE PLATE AREA OR NUMBER OF EFFECTIVE TEETH, PRONGS, OR NAILS BY MORE THAN 10%.
7. DO NOT APPLY METAL GUSSET PLATES AFTER SHOP FABRICATION.

VENEER:

1. OTHER METHODS OF ATTACHMENT MAY BE USED WITH WRITTEN PERMISSION FROM THE ARCHITECT AND STRUCTURAL ENGINEER.
2. PROVIDE STEEL ANGLE LINTELS AT ALL OPENINGS. SEE THE STEEL ANGLE LINTEL SCHEDULE FOR SIZE AND REQUIREMENTS.

BRICK VENEER

1. ATTACH TO STEEL AND WOOD STUD WALLS WITH DUR-O-WAL DA 213 SEISMIC VENEER ANCHORS OR HOHMANN & BARNARD DW-10 OR DW-10HS SEISMIC VENEER ANCHORS SPACED AT 16" O.C. EACH WAY. ATTACH VENEER ANCHORS TO STUDS WITH #10 CORROSION RESISTANT SELF-DRILLING SCREWS. ATTACH THE VENEER TO THE ANCHORS WITH DUR-O-WAL SEISMIC STEEL PINTELS OR HOHMANN & BARNARD 3/16" DIAMETER BYNA-TIE WITH SEISMICLIPS. ANCHOR TIES MUST ENGAGE A CONTINUOUS, HORIZONTAL GALVANIZED #9 GAUGE WIRE PLACED IN THE CENTER OF THE VENEER AT 16" O.C. (MAX.).
2. ATTACH TO CONCRETE WALLS WITH 22 GAUGE GALVANIZED, VERTICAL DOVETAIL SLOTS AND DUR-O-WAL 16 GAGE SEISMIC DOVETAIL ANCHOR TIES OR HOHMANN & BARNARD 3/16" DIAMETER BYNA-TIE WITH SEISMICLIPS SPACED AT 16" O.C. (MAX.) IN EACH DIRECTION. ANCHOR TIES MUST ENGAGE A HORIZONTAL GALVANIZED #9 GAUGE WIRE PLACED IN THE CENTER OF THE VENEER AT 16" O.C. (MAX).
3. ATTACH TO REINFORCED MASONRY WALLS WITH TRI-ROD LADDER TYPE REINFORCEMENT WITH THREE #9 GAUGE GALVANIZED CORRUGATED WIRES SPACED AT 16" O.C. (MAX.) VERTICALLY. OPTION: ATTACH VENEER WITH DUR-O-WAL DA 3605 SEISMIC LADDER-EYE SPACED AT 16" O.C. (MAX.) IN EACH DIRECTION. ANCHOR TIES MUST ENGAGE A HORIZONTAL GALVANIZED #9 GAUGE WIRE PLACED IN THE CENTER OF THE VENEER AT 16" O.C. (MAX). ANCHORS MUST EXTEND INTO THE GALVANIZED LADDER TYPE JOINT REINFORCEMENT IN THE MASONRY WALL.

STONE VENEER NOTES (PART 1)

1. ATTACH TO CONCRETE OR MASONRY BACKING, WITH 12 GAUGE MIN. GALVANIZED WIRE, FORMED BEYOND THE BASE OF THE BACKING. THE LEGS OF THE LOOPS SHALL BE 6" MIN IN LENGTH BENT AT RIGHT ANGLES AND LAID IN THE MORTAR JOINT, AND SPACED SO THAT THE EYES OR LOOPS ARE 12" MAX. ON CENTER IN BOTH DIRECTIONS. THERE SHALL BE A 12 GAUGE MIN. GALVANIZED WIRE TIE THREADED THROUGH THE EXPOSED LOOPS FOR EVERY 2 SQUARE FEET OF STONE VENEER. THIS TIE SHALL BE A LOOP HAVING LEGS 15" MIN. LENGTH BENT SO THAT IT WILL LIE IN THE MORTAR JOINT. THE LAST 2" OF EACH WIRE LEG SHALL HAVE A 90° BEND. 1" MIN. THICKNESS OF CEMENT GROUT SHALL BE PLACED BETWEEN THE BACKING AND THE STONE VENEER.

STONE VENEER NOTES (PART 2)

2. ATTACH TO STUD BACKING WITH A 2"X2"X16 GALVANIZED WIRE MESH WITH TWO LAYERS OF WATERPROOF PAPER BACKING APPLIED DIRECTLY TO STUDS AT 16" O.C. MAX., THE MESH SHALL BE ATTACHED WITH 2" LONG GALVANIZED STEEL WIRE FURRING NAILS AT 4" O.C. WITH 1 1/8" MIN PENETRATION INTO STUDS AND 8d COMMON NAILS AT 8" O.C. INTO TOP AND BOTTOM PLATES OR WITH EQUIVALENT WIRE TIES. THERE SHALL BE A 12 GAUGE MIN. GALVANIZED WIRE LOOPED THROUGH THE MESH FOR EVERY 2 SQUARE FEET OF STONE VENEER. THIS TIE SHALL BE A LOOP HAVING LEGS 15" MIN. LENGTH BENT SO THAT IT WILL LIE IN THE MORTAR JOINT. THE LAST 2" OF EACH WIRE LEG SHALL HAVE A 90° BEND. 1" MIN. THICKNESS OF CEMENT GROUT SHALL BE PLACED BETWEEN THE BACKING AND THE STONE VENEER.

G.B:D
G. BROWN: DESIGN INC
SITE AND LANDSCAPE ARCHITECTS
610 East South Temple, Ste 50
Salt Lake City, Utah 84102
p. 801.575.6066 f. 801.575.6166
www.gbrowndesign.com

■ PREPARED FOR:

SALT LAKE COUNTY PARKS & RECREATION

■ CONSULTANTS:

MAGNA REGIONAL PARK
PHASE ONE

4042 SOUTH 7200 WEST
MAGNA, UTAH 84044

CONSTRUCTION DOCUMENTS - CONFORMED SET

■ REVISIONS:

■ STAMP

PROFESSIONAL STRUCTURAL ENGINEER
WAYNE B. STAKER
NO. 4778043
07/23/2019
LICENSED
STATE OF UTAH

■ SHEET TITLE
GENERAL NOTES

■ DATE: 7-22-19
■ DRAWN BY: MP
■ CHECKED BY: SP
■ JOB NO.: 19038

■ SHEET NO:
S0.1

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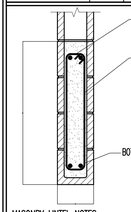
REVIEWED FOR CODE COMPLIANCE
FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW.
[X] BUILDING [X] STRUCTURAL
[X] MECHANICAL [X] PLUMBING
[X] ELECTRICAL [X] ENERGY
[X] ACCESSIBILITY [ ] FIRE
PLAN REVIEW ACCEPTANCE OF DOCUMENTS DOES NOT AUTHORIZE CONSTRUCTION TO PROCEED IN VIOLATION OF ANY FEDERAL, STATE, OR LOCAL REGULATIONS.
BY: _____ DATE: 11/13/19
WEST COAST CODE CONSULTANTS, INC.

MASONRY LINTEL SCHEDULE

LINTEL MARK	LINTEL WIDTH	LINTEL DEPTH	REINFORCING HORIZONTAL	REINFORCING STIRRUPS	NOTES
ML-1	8"	2'-0"	(2) #5 TOP & BOTTOM	#3 @ 24" O.C.	GROUT SOLID
ML-2	8"	1'-4"	(2) #4 TOP & BOTTOM		GROUT SOLID



MASONRY LINTEL NOTES:
1. LINTEL SHALL MATCH WALL WIDTH AND MATERIAL TYPE. U.N.O.
2. SOLID GROUT MASONRY LINTELS MONOLITHICALLY WITH THE WALL OR COLUMN AT EACH END.
3. SHORE AS REQUIRED.
4. CONSULT THE STRUCTURAL ENGINEER FOR LINTELS NOT SHOWN ON THE PLANS THAT ARE LOCATED DIRECTLY BELOW FLOOR / ROOF BEAMS OR GIRDERS.
5. EXTEND ALL HORIZONTAL REINFORCING 48 BAR DIAMETERS MINIMUM BEYOND THE EDGE OF ALL OPENINGS PROVIDE 90° STANDARD HOOK. IF HORIZONTAL REINFORCING CANNOT EXTEND 48 BAR DIAMETERS BEYOND EDGE OF OPENING.
6. SPLICE TOP BARS AT MIDSPAN OF LINTEL ONLY AND BOTTOM BARS OVER SUPPORTS ONLY.
7. CONTINUE HORIZONTAL WALL REINFORCING THRU MASONRY LINTELS. USE LARGER REINFORCING WHERE BOTH HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING OCCUR IN THE SAME COURSE.
8. DOWEL VERTICAL WALL REINFORCING INTO THE FULL DEPTH OF LINTEL OR 48 BAR DIAMETERS, WHICHEVER IS LESS.
9. SEE GENERAL STRUCTURAL NOTES FOR ALL OTHER REQUIREMENTS.

NOTE: DO NOT SCALE PLANS. SEE ARCHITECTURAL PLANS FOR WALL LOCATIONS

FOOTING SCHEDULE

MARK	WIDTH	LENGTH	DEPTH	REINFORCING CROSSWISE NO	SIZE	LENGTH	SPACING	REINFORCING LENGTHWISE NO	SIZE	LENGTH	
FC20	1'-8"	CONT.	1'-0"					3	#4	CONT.	EQUAL
FC36	3'-0"	CONT.	1'-0"		#5	3'-0"	14" O.C.	4	#5	CONT.	EQUAL
FC54	4'-6"	CONT.	1'-0"		#5	4'-0"	14" O.C.	5	#5	CONT.	EQUAL

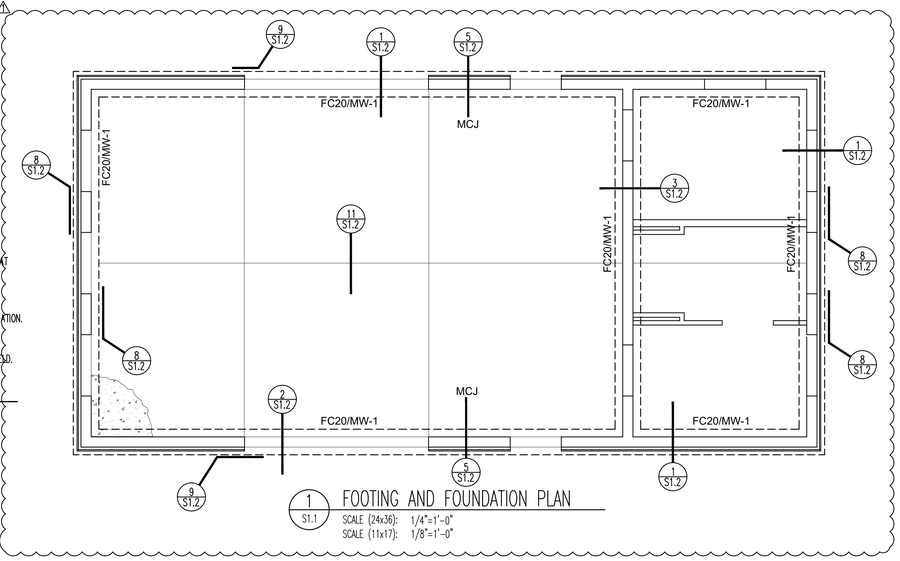
ALLOWABLE SOIL BEARING PRESSURE FROM SOILS REPORT = 2000 PSF
MINIMUM COMPRESSIVE CONCRETE STRENGTH f'c = 3000 PSI
ALL REINFORCING STEEL SHALL BE GRADE 60 AND BE PROPERLY TIED INTO PLACE PRIOR TO POUR
ALL CONCRETE WORK MUST MEET THE REQUIREMENTS OF THE 2015 IBC, ACI 318 AND LOCAL ORDINANCES
ALL BARS MUST BE 3" CLEAR FROM GRADE

ROOF FRAMING NOTES:

1. ALL EXTERIOR WALLS SHALL BE CONSIDERED BEARING U.N.O.
2. ALL EXTERIOR BEARING WALLS SHALL BE CONSTRUCTED WITH DFL#2 2x6 STUDS @ 16" ON CENTER. U.N.O.
3. PROVIDE STANDARD CONSTRUCTION FOR ALL WINDOW AND DOOR OPENINGS (TWO KING STUDS AND ONE TRIMMER AT EACH END) U.N.O.
4. WALL SHEATHING: 7/16" APA SHEATHING 8D @ 6" O.C. AT PANEL EDGES AND 12" O.C. IN FIELD. U.N.O.
5. PROVIDE DOUBLE TRIMMERS @ OPENINGS > 5'-0"
6. ALL POSTS AND COLUMNS MUST PROVIDE A DIRECT CONTINUOUS BEARING LINE THROUGH TO THE FOOTING/FOUNDATION.
7. U.N.O. THE TRUSS MFG. SHALL BE RESPONSIBLE FOR ALL TRUSS RELATED CONNECTIONS.
8. TRUSS MANUFACTURER TO DESIGN FOR ALL ADD LOADS; MECHANICAL UNITS, SNOW DRIFT ETC.
9. ROOF SHEATHING: 5/8" APA 32/16 WITH 10D COMMON NAILS @ 6" O.C. AT SUPPORTED EDGES AND 12" O.C. IN FIELD. U.N.O.
10. USE 'H' CLIPS ON ROOF SHEATHING

LEGEND

= OVERBUILD
(2)2x_ = HEADER/BEAM LOCATION
= BEARING WALL



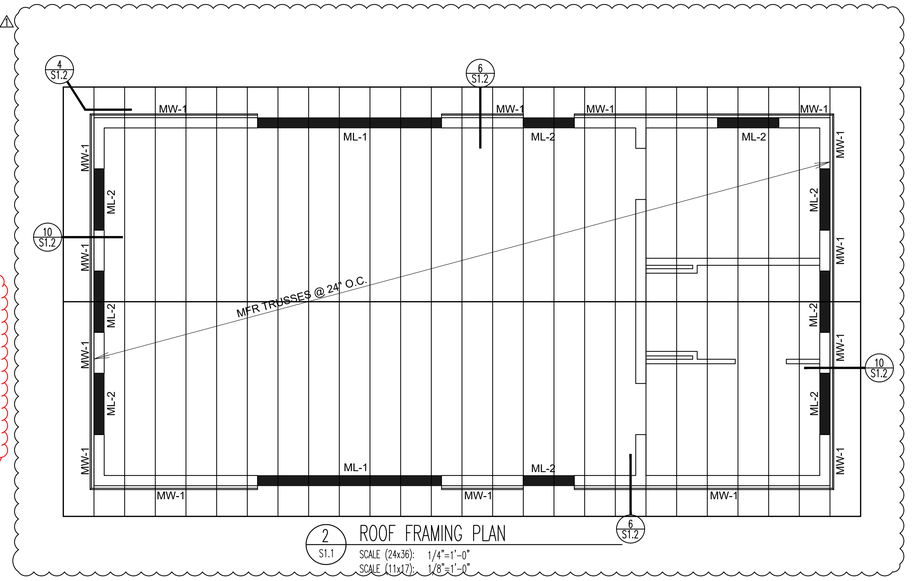
MASONRY WALL SCHEDULE

WALL MARK	THICKNESS	MATERIALS	SOLID GROUT	REINFORCING VERTICAL	REINFORCING HORIZONTAL	REINFORCING JOINTS	SPECIAL INSP. REQ'D.	JAMBS & ENDS
MW-1	8"	CMU	NO	(1) #5 @ 24" O.C. E.F.	(2)#4@32"O.C.	DURAWALL @ 16" O.C.	YES	(4) #5 VERT. IN TWO CELLS
MW-2	8"	CMU	NO	(1) #5 @ 24" O.C.	(2)#4@48"O.C.	DURAWALL @ 16" O.C.	YES	(2) #5 VERT. IN TWO CELLS

NOTE:
1. COORDINATE WITH ARCHITECTURAL DRAWINGS, MASONRY WALL FINISHES, TYPES OF MATERIAL, COURSING, ETC...
2. DO NOT SOLID GROUT WALLS UNLESS NOTED OTHERWISE.
3. SOLID GROUT ALL MASONRY BELOW GRADE.
4. CENTER VERTICAL REINFORCING IN THE WALL UNLESS NOTED OTHERWISE.
5. PLACE HORIZONTAL WALL REINFORCING BETWEEN VERTICAL MASONRY COLUMN REINFORCING BARS.
6. CONTINUE HORIZONTAL WALL REINFORCING THRU MASONRY LINTELS. USE LARGER REINFORCING WHERE BOTH HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING OCCUR IN THE SAME COURSE.
7. SEE GENERAL STRUCTURAL NOTES FOR ALL OTHER REQUIREMENTS.
8. MASONRY WALLS NOT DESIGNATED ON THE PLANS SHALL BE REINFORCED AS FOLLOWS.
9. f'm= 2500 PSI
10. REINFORCING STEEL TO BE GRADE 60
11. CONTROL JOINTS TO BE 24'-0" MAX

= 5" SLAB W/ #3 BARS @ 12" O.C. EACH WAY UNDERLAIN BY 4" OF FREE DRAINING GRAVEL

MCJ= MASONRY CONTROL JOINT



CONCRETE FOUNDATION WALL SCHEDULE

MAX. HEIGHT	MIN. THICK	VERT. STEEL	HORZ. STEEL	TOP AND BOTTOM HORIZ REINFORMENT	WALL TYP.	REMARKS
4'-0"	8"	#4 @ 32" O.C.	#4 @ 12" O.C.	(2) #4	A	

WALL TYPE "A"

FOOTING EXCAVATIONS SHALL BE INSPECTED AND APPROVED IN WRITING BY A QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT
Reviewed by Greg Baptist Date 11/21/2019

C.B:D
G.BROWN:DESIGN INC
SITE AND LANDSCAPE ARCHITECTS
610 East South Temple, Ste 50
Salt Lake City, Utah 84102
p. 801.575.6066 f. 801.575.6166
www.gbrowndesign.com

PREPARED FOR:
SALT LAKE COUNTY Parks & Recreation

CONSULTANTS:

MAGNA REGIONAL PARK
PHASE 1
4042 SOUTH 7200 WEST
MAGNA, UTAH 84044

REVISIONS:
1 ASI #1 10-18-19

STAMP
LICENSED PROFESSIONAL STRUCTURAL ENGINEER
WAYNE B. STANLEY
NO. 4776043
10/14/2019
STATE OF UTAH

SHEET TITLE
MAINTENANCE BUILDING FRAMING PLAN

DATE: 10-18-19
DRAWN BY: MP
CHECKED BY: SP
JOB NO.: 19038

SHEET NO:
S1.1

CONSTRUCTION DOCUMENTS - CONFORMED SET

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REVIEWED FOR CODE COMPLIANCE
FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES AS CERTIFIED BELOW:
[X] BUILDING [X] STRUCTURAL
[X] MECHANICAL [X] PLUMBING
[X] ELECTRICAL [X] ENERGY
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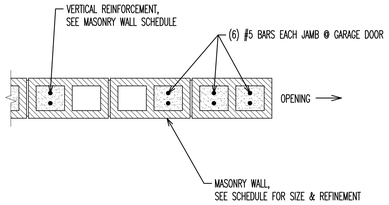
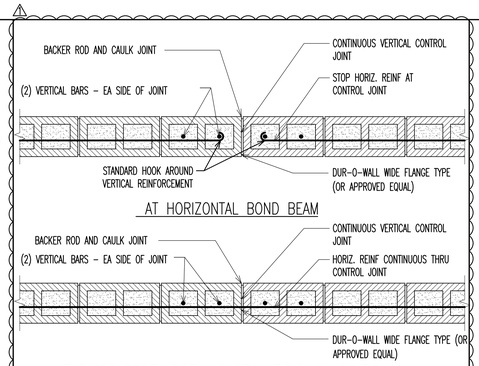
BY: _____ DATE: 11/13/19
WEST COAST CODE CONSULTANTS, INC.



9 S1.2 JAMB @ GARAGE DOOR
N.T.S.



5 S1.2 CONTROL JOINT FOR 8" MASONRY
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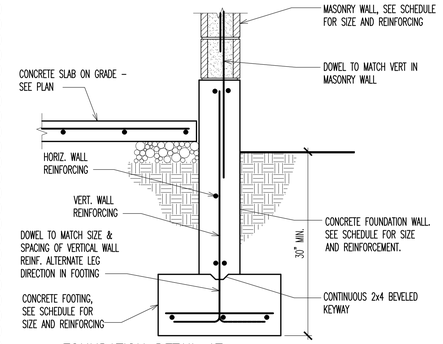

1 S1.2 FOUNDATION DETAIL AT 8" MASONRY WALL
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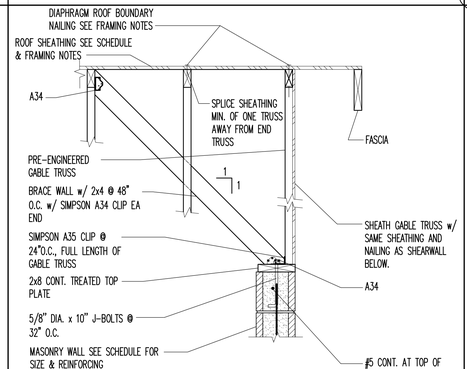

10 S1.2 GABLE END TRUSS ON CMU WALL
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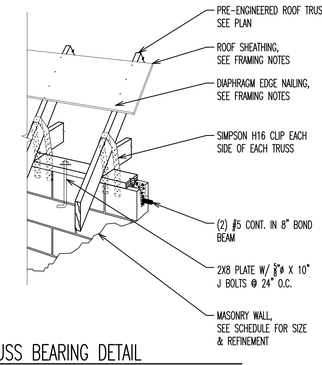

6 S1.2 TRUSS BEARING DETAIL
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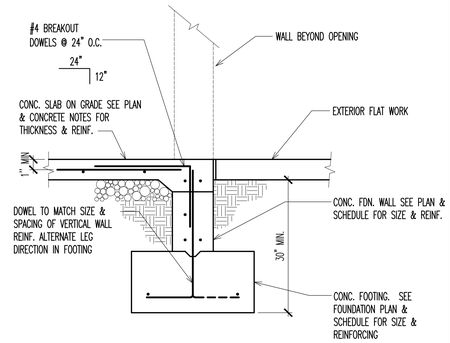
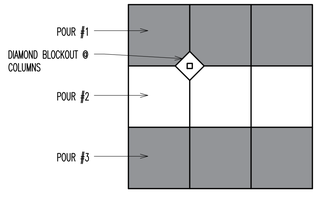
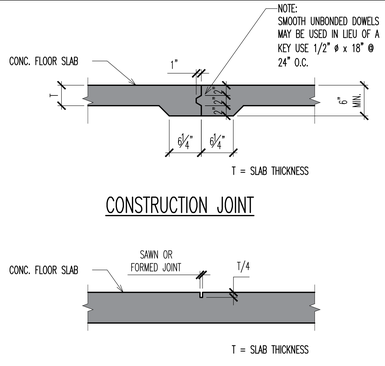


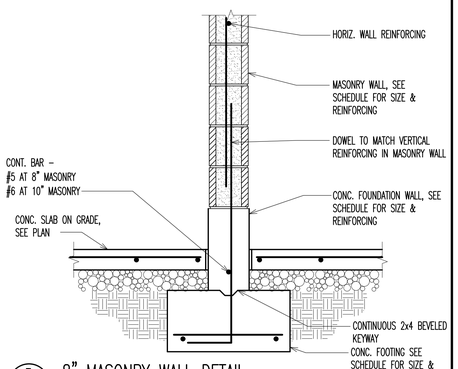
2 S1.2 FOUNDATION @ OPENING DETAIL
N.T.S.



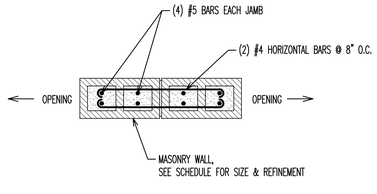
NOTES:
1. JOINTS SHALL OCCUR AT MAIN COLUMN/GRID LINES W/ 15'-0" MAX. SPACING BETWEEN JOINTS @ 4" SLABS; 20'-0" MAX. @ 5" & 6" SLABS.
2. SEE PLAN FOR SLAB THICKNESS "T" AND REINFORCING SIZE AND SPACING

11 S1.2 CONTROL JOINT DETAIL
N.T.S.





3 S1.2 8" MASONRY WALL DETAIL
N.T.S.



8 S1.2 JAMB BETWEEN WINDOWS
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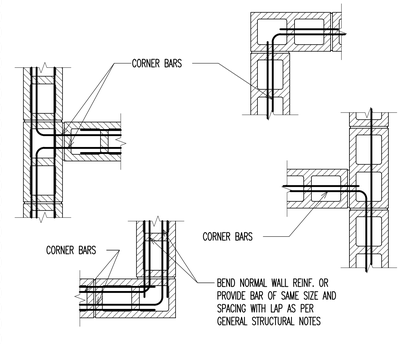

4 S1.2 TYP. CORNER WALL REINF. DETAIL
N.T.S.

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CONSTRUCTION DOCUMENTS - CONFORMED SET

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■ REVISIONS:
1 ASI #1 10-18-19

■ STAMP
LICENSED PROFESSIONAL STRUCTURAL ENGINEER
WAYNE B. STARKS
NO. 4778043
10/14/2019
STATE OF UTAH

■ SHEET TITLE
MAINTENANCE BUILDING DETAILS

■ DATE: 10-18-19
■ DRAWN BY: MP
■ CHECKED BY: SP
■ JOB NO.: 19038

■ SHEET NO:
S1.2

REVIEWED FOR CODE COMPLIANCE
FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW
[X] BUILDING [X] STRUCTURAL
[X] MECHANICAL [X] PLUMBING
[X] ELECTRICAL [X] ENERGY
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BY: _____ DATE: 11/13/19
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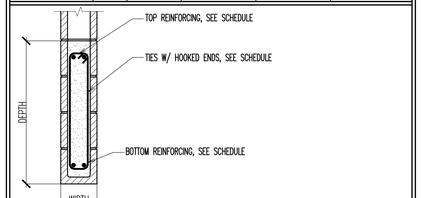
MASONRY LINTEL SCHEDULE

LINTEL MARK	LINTEL WIDTH	LINTEL DEPTH	REINFORCING HORIZONTAL	REINFORCING STIRRUPS	NOTES
ML-1	8"	2'-0"	(2) #5 TOP & BOTTOM	#3 @ 24" O.C.	GROUT SOLID
ML-2	8"	1'-4"	(2) #4 TOP & BOTTOM		GROUT SOLID



MASONRY LINTEL NOTES:
1. LINTEL SHALL MATCH WALL WIDTH AND MATERIAL TYPE. U.N.O.
2. SOLID GROUT MASONRY LINTELS MONOLITHICALLY WITH THE WALL OR COLUMN AT EACH END.
3. SHORE AS REQUIRED.
4. CONSULT THE STRUCTURAL ENGINEER FOR LINTELS NOT SHOWN ON THE PLANS THAT ARE LOCATED DIRECTLY BELOW FLOOR / ROOF BEAMS OR GIRDERS.
5. EXTEND ALL HORIZONTAL REINFORCING 48 BAR DIAMETERS MINIMUM BEYOND THE EDGE OF ALL OPENINGS PROVIDE 90° STANDARD HOOK. IF HORIZONTAL REINFORCING CANNOT EXTEND 48 BAR DIAMETERS BEYOND EDGE OF OPENING.
6. SPLICE TOP BARS AT MIDSPAN OF LINTEL ONLY AND BOTTOM BARS OVER SUPPORTS ONLY.
7. CONTINUE HORIZONTAL WALL REINFORCING THRU MASONRY LINTELS. USE LARGER REINFORCING WHERE BOTH HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING OCCUR IN THE SAME COURSE.
8. DOWEL VERTICAL WALL REINFORCING INTO THE FULL DEPTH OF LINTEL OR 48 BAR DIAMETERS, WHICHEVER IS LESS.
9. SEE GENERAL STRUCTURAL NOTES FOR ALL OTHER REQUIREMENTS.

NOTE: DO NOT SCALE PLANS. SEE ARCHITECTURAL PLANS FOR WALL LOCATIONS

NOTE: DESIGN TRUSSES WITH 72 PSF OVER PRESSURE LOAD APPLIED AS ADDITIONAL WIND LOAD

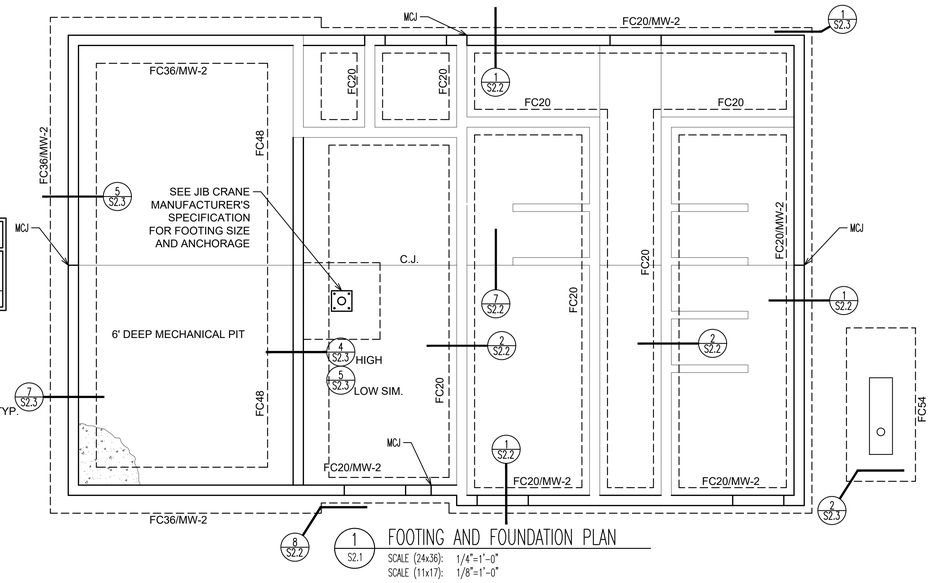
= 4" SLAB W/ #4 BARS @ 18" O.C. EACH WAY UNDERLAIN BY 4" OF FREE DRAINING GRAVEL

MCJ = MASONRY CONTROL JOINT

CONCRETE FOUNDATION WALL SCHEDULE

MAX. HEIGHT	MIN. THICK	VERT. STEEL	HORZ. STEEL	TOP AND BOTTOM HORIZ REINFORMENT	WALL TYP.	REMARKS
4'-0"	8"	#4 @ 32" O.C.	#4 @ 12" O.C.	(2) #4	A	

WALL TYPE "A"



1 S2.1 FOOTING AND FOUNDATION PLAN
SCALE (24x36): 1/4"=1'-0"
SCALE (11x17): 1/8"=1'-0"

MASONRY WALL SCHEDULE

WALL MARK	THICKNESS	MATERIALS	SOLID GROUT	REINFORCING VERTICAL	REINFORCING HORIZONTAL	REINFORCING JOINTS	SPECIAL INSP. REQ'D.	JAMBS & ENDS
MW-1	8"	CMU	NO	(1) #5 @ 24" O.C. E.F.	(2)#4@32"O.C.	DURAWALL @ 16" O.C.	YES	(4) #5 VERT. IN TWO CELLS
MW-2	8"	CMU	NO	(1) #5 @ 24" O.C.	(2)#4@48"O.C.	DURAWALL @ 16" O.C.	YES	(2) #5 VERT. IN TWO CELLS

NOTE:
1. COORDINATE WITH ARCHITECTURAL DRAWINGS, MASONRY WALL FINISHES, TYPES OF MATERIAL, COURSING, ETC...
2. DO NOT SOLID GROUT WALLS UNLESS NOTED OTHERWISE.
3. SOLID GROUT ALL MASONRY BELOW GRADE.
4. CENTER VERTICAL REINFORCING IN THE WALL UNLESS NOTED OTHERWISE.
5. PLACE HORIZONTAL WALL REINFORCING BETWEEN VERTICAL MASONRY COLUMN REINFORCING BARS.
6. CONTINUE HORIZONTAL WALL REINFORCING THRU MASONRY LINTELS. USE LARGER REINFORCING WHERE BOTH HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING OCCUR IN THE SAME COURSE.
7. SEE GENERAL STRUCTURAL NOTES FOR ALL OTHER REQUIREMENTS.
8. MASONRY WALLS NOT DESIGNATED ON THE PLANS SHALL BE REINFORCED AS FOLLOWS.
9. f'm= 2500 PSI
10. REINFORCING STEEL TO BE GRADE 60
11. CONTROL JOINTS TO BE 24'-0" MAX

FOOTING SCHEDULE

MARK	WIDTH	LENGTH	DEPTH	REINFORCING CROSSWISE NO	SIZE	LENGTH	SPACING	REINFORCING LENGTHWISE NO	SIZE	LENGTH	
FC20	1'-8"	CONT.	1'-0"					3	#4	CONT.	EQUAL
FC36	3'-0"	CONT.	1'-0"		#5	3'-0"	14" O.C.	4	#5	CONT.	EQUAL
FC48	4'-0"	CONT.	1'-0"		#5	3'-6"	14" O.C.	4	#5	CONT.	EQUAL
FC54	4'-6"	CONT.	1'-0"		#5	4'-0"	14" O.C.	5	#5	CONT.	EQUAL

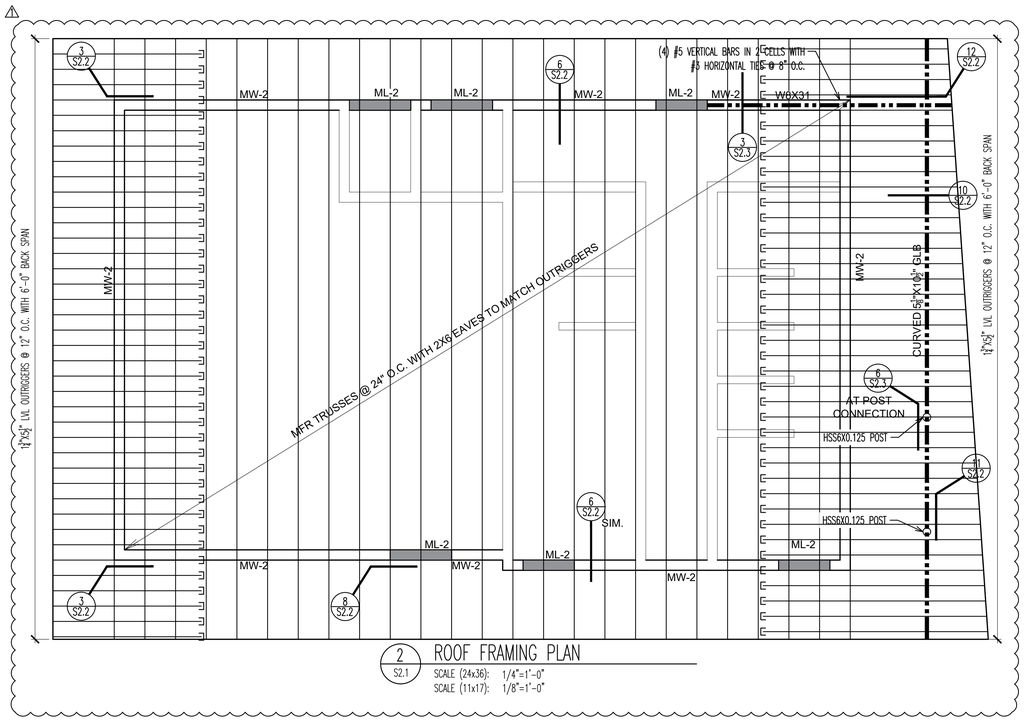
ALLOWABLE SOIL BEARING PRESSURE FROM SOILS REPORT = 2000 PSF
MINIMUM COMPRESSIVE CONCRETE STRENGTH f'c = 3000 PSI
ALL REINFORCING STEEL SHALL BE GRADE 60 AND BE PROPERLY TIED INTO PLACE PRIOR TO POUR
ALL CONCRETE WORK MUST MEET THE REQUIREMENTS OF THE 2015 IBC, ACI 318 AND LOCAL ORDINANCES
ALL BARS MUST BE 3" CLEAR FROM GRADE

ROOF FRAMING NOTES:

1. ALL EXTERIOR WALLS SHALL BE CONSIDERED BEARING U.N.O.
2. ALL EXTERIOR BEARING WALLS SHALL BE CONSTRUCTED WITH DFL#2 2x6 STUDS @ 16" ON CENTER. U.N.O.
3. PROVIDE STANDARD CONSTRUCTION FOR ALL WINDOW AND DOOR OPENINGS (TWO KING STUDS AND ONE TRIMMER AT EACH END) U.N.O.
4. WALL SHEATHING: 7/16" APA SHEATHING 8D @ 6" O.C. AT PANEL EDGES AND 12" O.C. IN FIELD. U.N.O.
5. PROVIDE DOUBLE TRIMMERS @ OPENINGS ≥ 5'-0"
6. ALL POSTS AND COLUMNS MUST PROVIDE A DIRECT CONTINUOUS BEARING LINE THROUGH TO THE FOOTING/FOUNDATION.
7. U.N.O. THE TRUSS MFG. SHALL BE RESPONSIBLE FOR ALL TRUSS RELATED CONNECTIONS.
8. TRUSS MANUFACTURER TO DESIGN FOR ALL ADD LOADS; MECHANICAL UNITS, SNOW DRIFT ETC.
9. ROOF SHEATHING: ⅜" APA 32/16 WITH 10D COMMON NAILS @ 6" O.C. AT SUPPORTED EDGES AND 12" O.C. IN FIELD. U.N.O.
10. USE 'H' CLIPS ON ROOF SHEATHING

LEGEND

= OVERBUILD
(2)2x_ = HEADER/BEAM LOCATION
= BEARING WALL



2 S2.1 ROOF FRAMING PLAN
SCALE (24x36): 1/4"=1'-0"
SCALE (11x17): 1/8"=1'-0"

FOOTING EXCAVATIONS SHALL BE INSPECTED AND APPROVED IN WRITING BY A QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT
Reviewed by Greg Baptist Date 11/21/2019

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p. 801.575.6066 f. 801.575.6166
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PREPARED FOR:
SALT LAKE COUNTY Parks & Recreation

CONSULTANTS:

MAGNA REGIONAL PARK
PHASE 1
4042 SOUTH 7200 WEST
MAGNA, UTAH 84044

CONSTRUCTION DOCUMENTS - CONFORMED SET

REVISIONS:
1 ASI #1 10-18-19

STAMP
MAINE PROFESSIONAL STRUCTURAL ENGINEER
WAYNE B. STARKS
NO. 4778043
10/14/2019
LICENSED
STATE OF MAINE

SHEET TITLE
RESTROOM BUILDING FRAMING PLAN

DATE: 10-18-19
DRAWN BY: MP
CHECKED BY: SP
JOB NO.: 19038

SHEET NO:
S2.1

REVIEWED FOR CODE COMPLIANCE
FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW:
- [X] BUILDING
- [X] STRUCTURAL
- [X] MECHANICAL
- [X] PLUMBING
- [X] ELECTRICAL
- [X] ENERGY
- [X] ACCESSIBILITY
- [ ] FIRE

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BY: _____ DATE: 11/13/19
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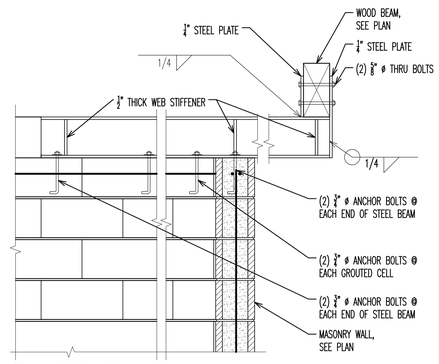

12 S2.2 STEEL BEAM @ WALL
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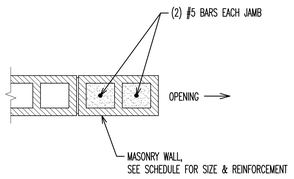

8 S2.2 JAMB DETAIL
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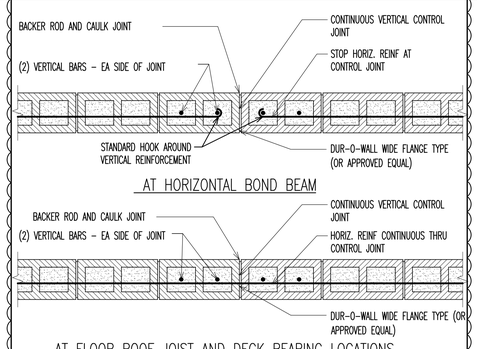

5 S2.2 CONTROL JOINT FOR 8" MASONRY
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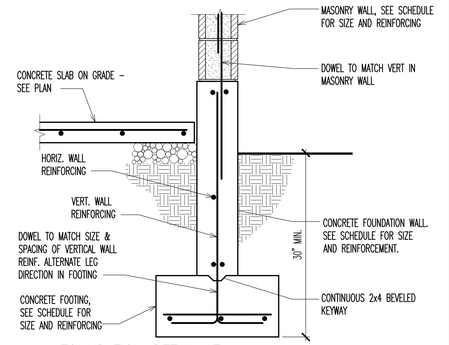

1 S2.2 FOUNDATION DETAIL AT 8" MASONRY WALL
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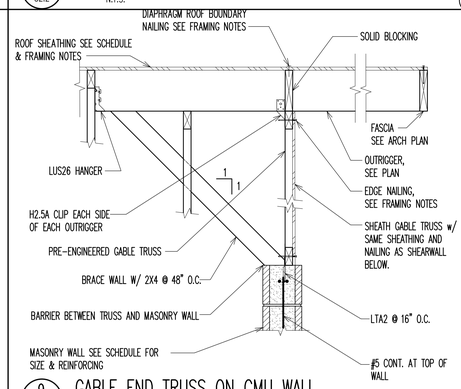

9 S2.2 GABLE END TRUSS ON CMU WALL
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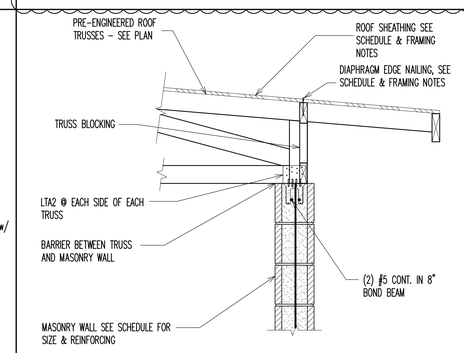

6 S2.2 TRUSS BEARING DETAIL
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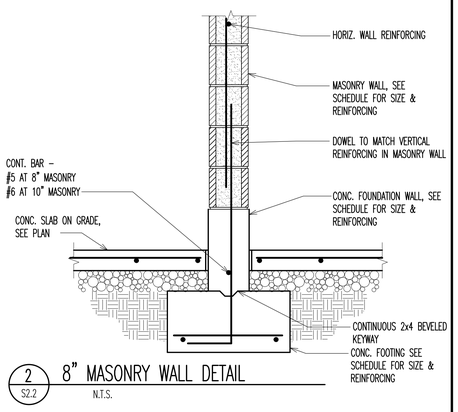

2 S2.2 8" MASONRY WALL DETAIL
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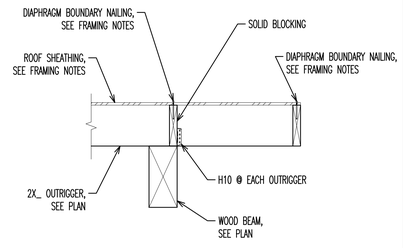

10 S2.2 ROOF FRAMING DETAIL
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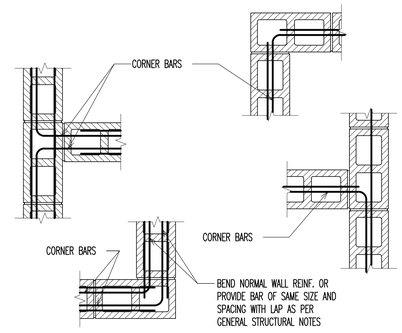

3 S2.2 TYP. CORNER WALL REINF. DETAIL
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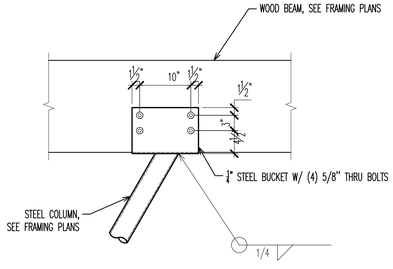

11 S2.2 BEAM TO COLUMN DETAIL
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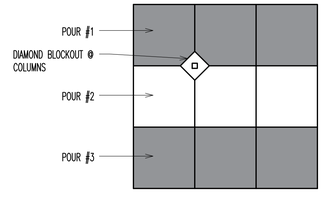
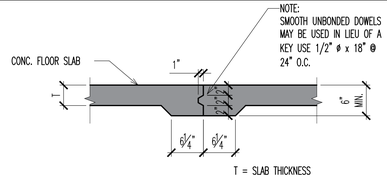
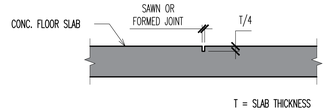


NOTES:
1. JOINTS SHALL OCCUR AT MAIN COLUMN/GRID LINES W/ 15'-0" MAX. SPACING BETWEEN JOINTS @ 4" SLABS; 20'-0" MAX. @ 5" & 6" SLABS.
2. SEE PLAN FOR SLAB THICKNESS "T" AND REINFORCING SIZE AND SPACING

7 S2.2 CONTROL JOINT DETAIL
N.T.S.



CONSTRUCTION JOINT



CONTROL JOINT

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p. 801.575.6066 f. 801.575.6166
www.gbrowndesign.com

- PREPARED FOR:
  SALT LAKE COUNTY Parks & Recreation
- CONSULTANTS:

MAGNA REGIONAL PARK
PHASE 1
4042 SOUTH 7200 WEST
MAGNA, UTAH 84044

CONSTRUCTION DOCUMENTS - CONFORMED SET

- REVISIONS:
  1 ASI #1 10-18-19

- STAMP
  LICENSED PROFESSIONAL STRUCTURAL ENGINEER
  WAYNE B. STAHLE
  NO. 4778043
  10/14/2019
  STATE OF UTAH

- SHEET TITLE
  RESTROOM BUILDING DETAILS

- DATE: 10-18-19
- DRAWN BY: MP
- CHECKED BY: SP
- JOB NO.: 19038

- SHEET NO:
  S2.2

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REVIEWED FOR CODE COMPLIANCE
FOR COMPLIANCE WITH THE APPLICABLE CONSTRUCTION CODES IDENTIFIED BELOW:
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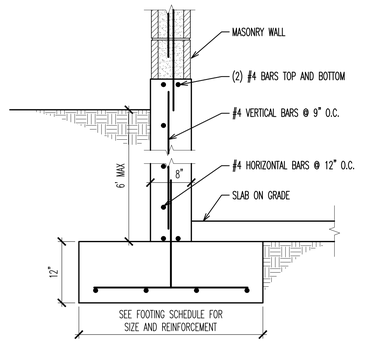

5 S2.3 RETAINING WALL DETAIL
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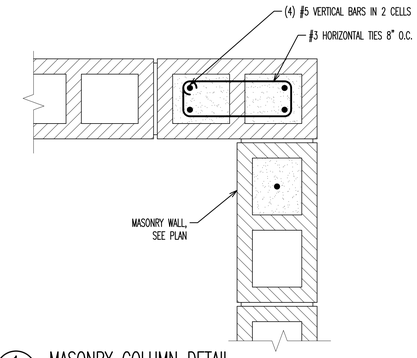

1 S2.3 MASONRY COLUMN DETAIL
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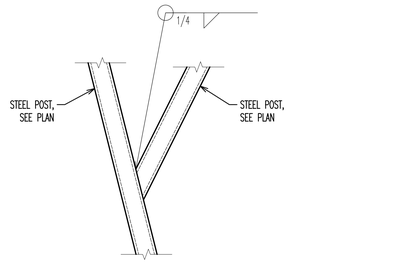
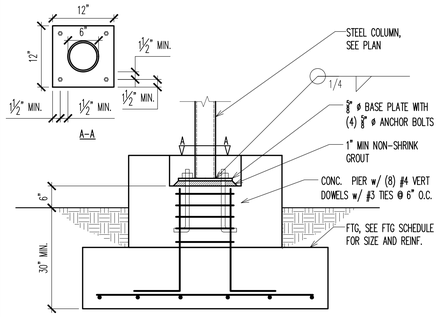


NOTE: SEE ARCH. DRAWINGS FOR STEEL COLUMN DESIGN

6 S2.3 POST DETAIL
N.T.S.



2 S2.3 FOUNDATION DETAIL
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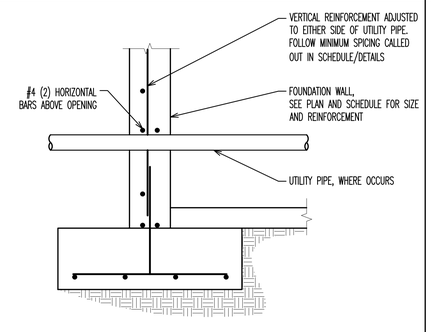

7 S2.3 UTILITY PIPE @ FOUNDATION
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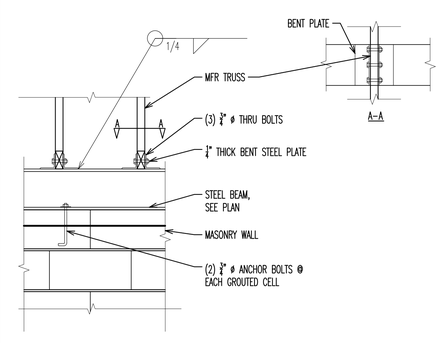

3 S2.3 STEEL BEAM CONNECTION
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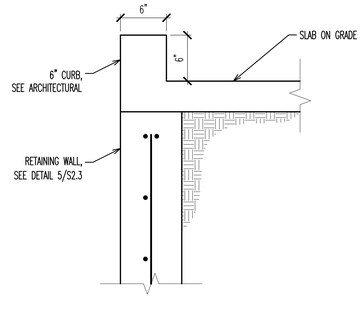

4 S2.3 CURB DETAIL
N.T.S.

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CONSTRUCTION DOCUMENTS - CONFORMED SET

REVISIONS:

STAMP

LICENSED PROFESSIONAL STRUCTURAL ENGINEER
WAYNE B. STARKER
NO. 4778043
07/23/2019
STATE OF UTAH

SHEET TITLE
RESTROOM BUILDING DETAILS

DATE:	7-22-19
DRAWN BY:	MP
CHECKED BY:	SP
JOB NO.:	19038

SHEET NO:
S2.3

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