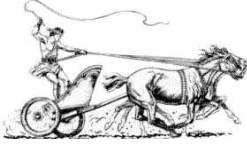


Rimac Annex Review Comments

(AVW = at variance with)



"Execution is the Chariot of Genius"
William Blake

STUART & ASSOCIATES Construction Management, LLC *Building San Diego Since 1979*

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Constructability Review For University of California, San Diego Rimac Annex By Stuart & Associates Construction Management, LLC

Attn: Mark Nelson

Summary of Scope of Work

Stuart & Associates Construction Management is pleased to forward our interdisciplinary coordination analysis for the **Rimac Annex** project. Our review encompassed 177 drawings for the civil, landscape, architectural, structural, mechanical, electrical, plumbing and food service disciplines and corresponding specifications which were at 100% completion.

The following pages list our review comments grouped by discipline drawing number and specification sections. We also recommend that special attention be paid to the submission of Division 1 (which was not reviewed) to complete the University requirements that are unique to this project. We did however find a number of areas that will require revision and completion before construction begins to avoid unnecessary change orders by the contractor:

Architectural drawings are adequately coordinated with the structural drawings, requiring only slight modifications to the specifications for construction of the building shell. The mechanical, electrical and plumbing drawings are generally complete with modification to the specifications and details required.

The overall plans, unfortunately, are noticeably deficient in architectural coordination with the other disciplines and are not complete. Especially apparent is the lack of

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completeness of the Finish Schedule, Door Schedule, Window Schedule, Wall Type and Rating Schedule.

The CSI specification sections that are missing have been noted in our report, although the entire specification will require editing of the generic inserts.

Stuart & Associates, LLC recommends these documents be reevaluated by the architect with emphasis on the coordination of details to schedules. Additionally we recommend that the kitchen consultant review the entire set of documents for correctness and completeness, paying particular attention to County Health Codes.

Stuart & Associates, LLC, at the direction of the University, will provide a “Back Check Review” at your convenience.

If you have any questions, or require any clarification regarding this report, do not hesitate to contact us.

Stuart & Associates, LLC

William D. Stuart

President

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Specifications

1. All specifications should be proofed for generic reference information and revised as specifically required
2. Specification 03300 Div 1 testing and inspection <<added to section>>
3. *Specification 15060-3.8 Dom. CW/ICW disinfection AVW 15141
4. *Specification 15140-3.3 Hangers and supports should be electro-galvanized. This may eliminate requirement in 3.3-0
5. *Specification 15185 It is unclear where (when) manual gear operators are required
6. *Specification 15250 It is unclear which type of insulation is wanted on which service
7. *Specification 15060-1.4G Drip pans should be indicated on plans – no material is specified
8. *Specification 15060-3.5B AVW standard practices
9. *Specification 15060-3.7 ID 15190 AVW 15190
10. *Specification 15060-3.8-3 AVW standard practices
11. *Specification 15060-3.8-3C Should read schedule 40
12. *Specification 15060-3.8-4A AVW PVC
13. *Specification 15060-3.8 HHW service – copper, steel AVW schedule 40
14. *Specification 15060-3.8 HTHW – steel pipe should be SCH80; fittings should be steel; HTHW valves should be SS ball valves; these valves are not called out anywhere in the specifications; need 300# FLG SVF flow control
15. Specification 08712 Door Hardware – hardware sets missing <<sets added to specifications>>
16. Specification 09912 Extra stock specification <<added to section 1.8, A>>
17. Specification 09310 Thin set tile AVW structural depressed slabs <<section modified. However walls are thin-set and there are waterproofing membranes>>
18. Specification 09310 ceramic tile AVW depressed slabs for kitchen equipment <<section modified>>
19. Tile for kitchen may not meet County Health Department code requirements <<quarry Tile with integral cove base was specified and meets Health Department reqmt's>>
20. Tile finish schedule required <<tile type added to specification under 2.3>>

A0.01

1. A2.03 Exterior Elevation, East is missing <<elevation added>>
2. A2.02.1 Exterior Elevations, East unreferenced in index <<this is a west elevation, but is of the screen wall only>>
3. FS1.2 Equipment Floor Plan is listed twice in the index, but there is only one sheet in the plans. <<Second listing was removed>>

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A0.02

1. Not Reviewed. Review by Fire Protection Consultant

A0.03

1. Specification 02870 Site and Street Furnishing required <<section was added>>

C0.01

1. *Special Notes:
Note 1 Should require US utility mark out
Note 4 Normal work hours Div 1
Note 7 are called out in Div 2
Note 8 SWIPP Div 1
National City AVW vicinity map
2. *General Notes:
Note 1: Soils Report Required
Note 3.2: AVW Specification 02230 Site Clearing
Note 3.3: AVW Specification 02300 Earthwork
Note 5.2: Div 1 required

C1.01

1. *No Legend
2. *General note #4 AVW landscape plans
3. *Site Demolition Note #2 Division 1 Salvage Instructions
4. *Site Demolition Note #3 Division 1 Salvage Instructions
5. *Site Demolition Note #12 Scale AVW L2.01
6. *Site Demolition Note #12 Paving Limits AVW L2.01
7. *Site Demolition Note #19 Division 1 Salvage Instructions
8. *Site Demolition Note #21 missing
9. *Exterior concrete stairs see Landscape TYP. AVW project scope

C1.02

1. *Not reviewed. Horizontal Control, Field Level

C1.03

1. *Not reviewed. Horizontal Control, Ground Level

C3.00

1. *Legend incomplete – Symbol 8 no description
2. *Legend incomplete – Symbol 9 no description
3. *Legend incomplete – Symbol 10 no description

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4. *Legend incomplete – Symbol 15 no description
5. *Legend incomplete – Symbol 20 no description

C3.01

1. *Legend Incomplete – Symbol 7 no description
2. *Legend Incomplete – Symbol 8 no description
3. *Legend Incomplete – Symbol 9 no description
4. *Legend Incomplete – Symbol 10 no description
5. *Legend Incomplete – Symbol 15 no description
6. *Legend Incomplete – Symbol 16 no description
7. *Legend Incomplete – Symbol 18 no description
8. *Legend Incomplete – Symbol 20 no description

C4.00

1. *Note 1 AVW plans C2.00

C4.01

1. *Detail 12 470-C-2000 Concrete AVW specification cement concrete pavement 02751
2. *Detail 9 AVW C2.00
3. *Detail 8 AVW C2.00

C4.02

1. *Details (P) retaining wall AVW structural

C5.00

1. *Erosion Control Notes #1 information missing
2. *Erosion Control Notes #16 stored fuel AVW environmental code
3. *Division 1 SWIPP requirements
4. *Planting Legend - Soils Analysis Report AVW specification where called out

C5.01

1. *Division 1 phasing requirements

L2.01

1. Stairs to be added alternative AVW project scope <<add alts are shown on L1.00 and consistent with A1.01>>
2. Legend incomplete <<completed>>
3. Hardscape Legend
Note 1C AVW specification
Note A AVW E1.1
Remove note “Transition under design review” <<removed>>

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L2.02

1. Detail 4 AVW specification
2. Detail AVW architectural

A1.01

1. Note 11 AVW specifications <<will include Soils Report for bidding>>
2. Division 1 phasing requirements <<division 1 by UCSD>>

A1.03

1. Trench drain AVW P1.1 and P2.1 <<will add for Addendum>>
2. Depressed slab AVW 09310 specification <<clarified thin-set for walls>>

A1.04 Ground Level

1. Detail 01/FS6.1 AVW P2.2 <<kitchen by others, FS and P modified>>
2. Detail 02/FS6.1 AVW S2.2 <<kitchen by others, FS modified. Need more info on AVW S2.2? >>

A1.05

1. Specification 08712 hardware set group AVW A5.01 <<schedule and spec coordinated>>

A1.06 Ground Level

1. Sun Control Specification <<sun control is found in 06401>>
2. Floor Plan Note #6 AVW A8.01, A8.02, A8.03 <<800 series removed from set>>
3. Floor Plan Note #9 AVW plan <<fireproofing sched added to plan>>
4. Floor Plan Note #4 AVW plan << wall types added>>
5. Fire riser sprinkler AVW plumbing <<riser info will be added to plans in Addendum>>

A1.07

1. Floor Plan Note #6 A8.01, A8.02, A8.03 missing <<800 series removed from set>>
2. 09220 millwork AVW specification <<reference will be changed in Addendum>>
3. Depressed slab kitchen details not shown AVW S2.3 <<no kitchen on this level, S2.3 only has "depression" at restroom. And that leaves out the 1-1/2" concrete for full set tile>>

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A1.08

1. Ice machine condenser AVW M2.4 <<mechanical will coordinate for Addendum>>
2. Ice machine condenser AVW P2.4 <<mechanical will coordinate for Addendum>
3. Number of exhaust fan AVW E2.4 <<mechanical will coordinate for Addendum>

A1.09

1. Specification 11132 projector specification required <<Projector is by others, power is in contract, will clarify in Addendum>>
2. Paint Legend <<paint designations added to plan and specs>>

A1.10

1. Note kitchen 208 and 209 for reference only AVW plans specification <<specification clarified>>
2. Paint legend <<paint designations added to plan and specs>>
3. Linear diffuser AVW M2.2 <<coordinated with M2.2>>
4. Note #5 incomplete <<note completed>>

A1.11

1. Paint legend <<paint designations added to plan and specs>>

A2.01

1. Detail 09 A3.02 AVW A3.02 <<couldn't find 9/A3.02>>
2. Detail 02 A3.01 AVW A3.01 <<coordinated>>
3. 08410 store-front glazing AVW 08411 specification <<coordinated>>

A2.02

1. Slanted wall Z line detail number required <<detail number added>>
2. Detail 09 A3.02 AVW A3.02

A2.02.1

1. AVW A0.01 index, incomplete document (not shown) <<drawing completed>>

A2.03

1. Missing Note 1 A2.03 AVW A2.03 <<please clarify comment>>

A2.04

1. Finish/color/paint legend <<finishes indicated and colors specified in 09220>>

A2.05

1. A0.01 index AVW A2.05 <<sheet was removed from set and coords with index>>
2. Detail # Drgs D (REF) AVW A0.01 <<sheet A2.05 was removed from set>>

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3. Floor Plan Note #4 AVW plan wall types <<sheet A2.05 was removed from set>>
4. Floor Plan Note #6 AVW A8.01, A8.02, A830 <<800 series removed from set>>
5. Floor Plan Note #9 AVW schedules <<sheet A2.05 was removed from set>>

A3.01

1. Undefined detail 1 A3.01 <<will provide detail reference in Addendum>>
2. Detail 09 A3.02 AVW A3.02 <<no detail 9/A3.02, please clarify>>
3. Detail 04 S6.1 AVW S6.1 <<no detail 4/S6.1, please clarify>>

A3.02

1. Detail 04 S6.1 AVW S6.1 <<no detail 4/S6.1, please clarify comment >>
2. Elevation legend <<please clarify comment>>

A3.03

1. Detail notes unreferenced <<all notes are not referenced, but are in the specification and covered in the contract where not referenced>>
2. Kitchen shell only AVW FS <<drawings notes added for reference only>>
3. Detail 06 A6.16 AVW A6.16 <<detail referenced changed>>
4. Detail 10 A6.15 AVW A6.15 <<detail clarified>>
5. Undefined detail AVW A3.03 <<detail clarified>>
6. Detail 09 A6.15 AVW Note 09 A6.15 <<detail will be clarified in Addendum>>

A3.04

1. Detail 01 A6.16 AVW Detail 01 A6.16 <<detail clarified>>
2. Detail 01 A6.11 AVW Detail 01 A6.11 <<detail clarified>>
3. Details AVW A2.02.1 not shown <<detail clarified>>
4. WD suspended ceiling AVW 09511 specification wood <<reference & spec clarified>>

A3.05

1. 03532 concrete topping AVW specifications <<will change for Addendum>>
2. 03531 concrete AVW specification AVW landscape <<reference clarified>>
3. Deck drain AVW P2.3 <<deck drain added to P2.2>>
4. 09511 Wd suspended ceiling AVW specification <<reference & spec clarified>>
5. Undefined detail <<detail clarified>>
6. Detail 18 A6.10 AVW Detail 18 A6.10 <<detail clarified>>

A3.06

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1. 03532 concrete topping AVW specification <<reference clarified>>
2. WD suspended ceiling AVW specification <<reference & spec clarified>>
3. Detail 10 A6.11 AVW Detail 10 A6.11 <<detail clarified>>
4. Detail 09 A6.11 AVW Detail 09 A6.11 <<detail clarified>>
5. 1 x 4 IPE note unreferenced <<referenced to spec 06401>>

A3.07

1. Kitchen shell only AVW project scope <<scope clarified, kitchen by others>>
2. Undefined detail <<detail clarified>>
3. 03530 concrete topping AVW specifications <<reference removed>>
4. Timber strand LSL AVW specification (see 06130 specifications) <<clarified in 06100>>
5. 6 x 12 STL AVW S8.1 <<HSS 6x12 coordinated with S2.3>>
6. 2 x 6 / 1 x 4 IPE requires A2.02.1 <<referenced on A2.02.1>>
7. 09511 WD suspended ceiling AVW specifications <<reference & spec clarified>>

A3.08

1. 09511 wood suspended ceiling AVW specification <<reference & spec clarified>>

A3.09

1. Detail 14 A6.10 AVW Detail 14 A6.10 <<detail clarified>>
2. Detail 05 A6.03 AVW P2.2 <<drains added to P2.2>>
3. 09511 wood suspended ceiling AVW specifications <<reference & spec clarified>>
4. 03531 concrete topping AVW specifications <<reference clarified>>
5. Freezer by others AVW project scope <<scope clarified, kitchen by others>>
6. Kitchen shell only AVW project scope <<scope clarified, kitchen by others>>
7. Depressed slab AVW 09310 specification for thin set <<section modified>>

A3.10

1. 03531 concrete topping AVW specifications <<reference clarified>>
2. 09900 paint legend <<shown on RCP and elevations>>
3. Detail 07 A6.17 detail incomplete <<completed>>
4. Detail 02 A3.02 AVW Detail 02 A3.02 <<please clarify comment>>
5. Detail 06 A6.14 AVW Detail 06 A6.14 <<detail removed>>
6. Detail 06 A6.09 AVW Detail 06 A6.09 <<detail is for roof pop-up at elevator>>
7. Detail 03 A6.17 AVW specifications <<reference clarified>>
8. 2 x 6 IPE AVW A2.02.1 not shown <<2x6 clarified on A2.02.1>>
9. Detail 17 A6.11 AVW Detail 17 A6.11 <<detail removed>>

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10. Detail 06 A6.14 AVW Detail 06 A6.14 <<detail removed>>
11. Wood suspended ceiling AVW specification 09511 <<reference & spec clarified>>
12. 1 x 4 IPE AVW A2.02.1 not shown <<1x4 clarified on A2.02.1>>

A3.11

1. 09511 WD suspended ceiling AVW specifications <<reference & spec clarified>>
2. Detail 09 A6.15 AVW Detail 09 A6.15 <<detail will be clarified in Addendum>>
3. Detail 10 A6.15 AVW Detail Note 10 A6.15 <<detail clarified>>
4. 03531 concrete topping AVW specifications <<reference clarified>>

A4.01

1. Undefined detail <<details referenced and clarified>>
2. Not to any scale <<scale is 1/4"=1'-0">>

A4.02

1. Detail BS02 building section AVW structural <<please clarify comment>>
2. Window 214A AVW A5.04 <<mark 214A is a roll-up door and coordinated with A5.04>>

A4.03

1. Wall type legend and schedule missing <<Wall types shown on overall floor plans, wall types on A6.05>>
2. Window schedule incomplete <<completed>>
3. Door schedule incomplete <<completed>>

A4.04

1. Paint schedule AVW specification <<paint designations added to plan and specs>>
2. Detail 104/03 C 06650 AVW specification <<please clarify comment>>
3. Hardware sets AVW A5.01 <<hardware sets listed in spec only to avoid AVW>>

A4.05

1. Detail 03 incomplete <<completed>>
2. Detail 02 incomplete <<completed>>
3. Detail 01 incomplete <<completed>>
4. Detail 05 incomplete <<completed>>
5. CAR details missing <<completed>>
6. Elevator pit/sump details missing <<completed>>
7. Legend <<please clarify comment>>
8. Sill Details <<will add in Addendum>>

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9. Jamb details <<will add in Addendum>>
10. Roof hatch elevation 05 AVW structural missing <<roof hatch shown on S2.4>>
11. A4.05 incomplete AVW specification <<coordinated with specification>>

A4.06

1. RT-1 rubber accessories AVW specification <<will add reference in Addendum>>
2. Flooring legend/notes <<coordinated with specification>>

A4.07

1. 06200 specification AVW 06100 specification <<reference clarified>>
2. PLAM schedule plastic laminate <<colors to be selected from manufactures full range of colors>>

A4.08

1. Paint legend <<paint designations added to plan and specs>>
2. Window and door not referenced <<referenced on overall floor plans>>
3. No jamb/sill/head referenced in details AVW schedule <<will add reference in Addendum>>

A4.09

1. Window schedule reference <<see overall floor plans>>
2. Door schedule reference <<see overall floor plans>>
3. Jamb/sill/head detail reference AVW schedule <<will add reference in Addendum>>
4. Paint legend <<paint designations added to plan and specs>>
5. Finishes <<will add references in Addendum>>

A4.10

1. Cushions AVW specification <<clarified in 06402>>
2. Paint legend <<paint designations added to plan and specs>>
3. 09720 wall covering AVW specifications <<will coordinate VWC-1 designation>>
4. Door window schedule not referenced <<see overall floor plans>>
5. Sill/jamb/head not referenced <<will add reference in Addendum>>

A5.01

1. Specification 09967 Finish Schedule AVW specification required <<referenced changed to correct spec number>>
2. Specification 6200 Finish Key AVW specification required <<referenced changed to correct spec number>>

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3. Specification 09720 Finish Key AVW specification required <<referenced changed to correct spec number>>
4. Specification 06650 Finish Key AVW specification required <<referenced changed to correct spec number>>
5. Door 105 elevator machine room rating AVW code <<door is 20min>>
6. No jamb/sill/head referenced in details <<note added in Addendum for typical detail references>>

A5.02

1. Undefined detail <<details are defined on elevations>>
2. Window schedule details AVW A5.04 <<coordinated>>
3. A5.02 details unreferenced to plans <<references to plans added>>

A5.03

1. Window legend missing <<windows added>>
2. A5.03 AVW A5.04 <<coordinated>>

A5.04

1. Legend incomplete <<completed>>
2. Schedule incomplete <<completed>>
3. AVW plans <<coordinated>>

A6.02

1. Detail 03 AVW specifications <<please clarify comment>>
2. Detail 05 AVW above grade P drawings <<please clarify comment>>
3. Detail 06 AVW above grade P drawings <<please clarify comment>>
4. Detail 07 AVW specifications <<please clarify comment>>

A6.03

1. Detail 05 AVW P drawings <<please clarify comment>>

A6.04

1. Detail 5 AVW P drawings <<please clarify comment>>
2. Detail 02 AVW description <<please clarify comment>>

A6.05

1. Legend for wall schedule ratings AVW plans; unreferenced <<plans and fireproofing schedule reference ratings and references added to plans>>

A6.06

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1. Detail 10 AVW plans; unreferenced <<fire extinguisher cabinet detail will be referenced to all floor plans in Addendum>>

A6.07

1. Detail 08 AVW finish schedule <<please clarify comment>>
2. Finish Schedule legend <<please clarify comment>>
3. Hardware schedule required <<hardware schedule added to specifications>>
4. Detail 05 AVW specifications <<cushion reference added to specs>>

A6.08

1. 09511 specification (Wd suspended ceiling) AVW specifications <<clarified in specs>>
2. Detail 13 incomplete <<completed>>

A6.09

1. Detail 8 AVW concrete specification <<this detail is now coordinated with structural>>
2. Detail 6 incomplete <<completed>>

A6.10

1. *Detail 18, 14 incomplete <<completed>>
2. Detail 02 AVW plans, unreferenced to frame/door schedule <<note added in Addendum>>
3. Detail 01 AVW plans, unreferenced to frame/door schedule <<note added in Addendum>>
4. Detail 10 AVW plans, unreferenced to frame/door schedule <<note added in Addendum>>
5. Detail 14 AVW plans, unreferenced to frame/door schedule <<note added in Addendum>>
6. Detail 16 incomplete <<detail was removed>>
7. Detail 17 AVW P drawings <<detail was removed>>

A6.11

1. *Detail 17, 9, 10, 8, 7, 4, 1 – nothing labeled <<details are now labeled>>
2. Detail 01 incomplete, unreferenced <<referenced on plan>>
3. Detail 10 incomplete, unreferenced <<referenced on plan>>
4. Detail 11 incomplete, unreferenced <<referenced on plan>>
5. Detail 12 incomplete, unreferenced <<will complete for Addendum>>
6. Detail 17 incomplete, unreferenced <<detail was removed>>
7. Detail 14 incomplete, unreferenced <<referenced on plan>>
8. Detail 18 incomplete, unreferenced <<referenced on plan>>
9. Detail 13 incomplete, unreferenced <<detail was removed>>
10. Detail 09 incomplete, unreferenced <<referenced on plan>>

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A6.12

1. *Detail 22, 21, 20, 19, 18, 17, 16, 12, 11, 10, 9, 8, 7, 6, 5, 3, 2, 1 – not labeled; some dimensions shown, difficult to read; detail 6 calls out a note that does not exist <<these details were completed, labeled and clarified>>
2. AVW door schedule <<coordinated with schedule>>
3. AVW window schedule <<coordinated with schedule>>
4. AVW wall schedule <<coordinated with schedule>>

A6.14

1. *Detail 6 has no labels <<detail was removed>>
2. Detail 07 AVW 03532 concrete topping <<clarified in Addendum>>
3. Detail 06 incomplete <<detail was removed>>

A6.15

1. *Details 9 and 10 appears incomplete <<completed>>
2. Detail 07 concrete topping in stair pans AVW specifications <<detail was removed>>
3. Detail 05 trench drain AVW P drawings <<will clarify in Addendum>>
4. Detail 10 incomplete <<completed>>

A6.16

1. *Details 6, 5, 3. 1 – not labeled <<labels added>>
2. Detail 03 incomplete <<completed>>
3. Detail 06 incomplete <<completed>>
4. Detail 05 incomplete <<completed>>
5. Detail 01 incomplete <<completed>>
6. Detail 02 incomplete AVW plans <<completed and coordinated with plans>

A6.17

1. *Detail 11 not labeled <<detail was removed>>
2. “Alucobond metal panels” AVW specifications <<clarified with spec>>
3. Detail 01 incomplete <<detail was removed>>
4. Detail 05 incomplete <<completed>>
5. Detail 09 incomplete <<detail was removed>>
6. Detail 07 incomplete <<completed>>

A7.01

1. AVW specifications <<clarified>>
2. Incomplete <<completed with ADA comments>>
3. Legend <<completed>>

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A7.02

1. Requires schedule <<completed>>

A7.03

1. Requires schedule <<completed details, schedule not used>>

S1.1 Structural - See Comments Sent Under Separate Cover

1. Metal decking Note #1 manufacture on plans
2. Metal decking Note # D Apply Fireproofing as shown
3. Metal decking Note #7 Thickness as shown
4. Foundations Note #1 Geotechnical Report Required
5. Foundations Note #2 Geotechnical Report Required
6. Foundations Note #6 Geotechnical Report Required
7. Foundations Note #10 Geotechnical Report Required
8. Foundations Note #11 Geotechnical Report Required

S1.1.1

1. Specification 03371 S1.1.1 AVW Shotcrete required

S1.2

1. Expansion joints AVW architectural

S1.2.1

1. Interior bearing wall AVW wall schedule
2. Detail 5 remove "tread and riser by others"
3. Detail 4 equipment pads AVW mechanical

S1.3

1. Detail 13 AVW specification 03371
2. Detail 6 AVW specification 03371

S1.4

1. Detail 7 AVW wall schedule
2. Detail 3 AVW wall schedule

S1.6

1. Detail 2 suspended ceiling AVW architectural
2. Detail 1 elevator, no machine room steel

S2.1

1. Slab Depression AVW architectural

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2. Slab depression AVW specification 09310
3. Detail 1/S1.6 AVW machine equipment

S2.2 Ground Level

1. Recessed slab 7.9 – 6.8 Y-Z AVW A1.06
2. Recessed slab 4.7 – 3.7 D-E AVW A1.06
3. Recessed slab 6-4 Y-Z AVW A1.06
4. TYP @ fence 4/S7.1 AVW 4/S7.1

S2.3

1. Shaded area tile finish AVW plans and specifications

S2.4 Roof

1. Legend/schedule for mechanical Pads

S8.1

1. Concrete topping AVW specifications

S8.1.1

1. Incomplete

S8.2

1. Detail 5 AVW specification

S8.2.1

1. Detail 6 AVW specifications
2. Detail 2 AVW specifications
3. Detail 3 AVW specifications
4. Detail 5 AVW specifications
5. Screen wall finish AVW exterior finish schedule

M0.1 <<MP& E Responses are Bold>>

1. *General Notes – stray punctuation appears in notes 6, 11, 16, 24 - **revised**
2. *Note 18 indicates dielectric couplings are to be used. AVW specification 15085-2.4A – **intent is that dielectric device is to be used as specified**
3. *Specification 15855-1.2 this paragraph refers to another project and incorrect tags numbers. – **replaced with 15725**
4. *Specification 15855-1.2B Remarks section for unit dimensions is not filled out – **section was deleted**
5. General Notes: Note #2 unenforceable – **replaced with 15725**
6. General Notes: Note #4 verify general conditions – **no change**

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M0.3

1. *No specification for B-1 – **15514 added**
2. *Specification 15141/15546 duplicate specifications – **15141 is seismic restraint, 15546 is disinfection**
3. *Specification 15725/15855 duplicate specifications – **15855 deleted**
4. *15870-2.1K AVW motor specification (ODP/TEFC 15170-2.3 - **motor type is scheduled on drawings**
5. *Specification 15870-2.1 does not state premium EFF Motor AVW 15170 – **15870 refers to 15170 for additional requirements**
6. *Specification 15870 no specification for EF-3 or -4 - **revised**
7. *Specification 15535 Specification does not match type or manufacturer listed on schedule HHWP-1, CHWP-1. Schedule lists in-line. Drawings indicate base mount. - **revising**
8. *Specification 15535-1-1.B Equipment list does not match schedule. - **revising**
9. *No specification for CC-1 – **added section**
10. *No specification for FC-1 and -2 – **added section**
11. *Specification 15835 both cabinet and horizontal units are specified. Appears only horizontal is applicable. – **no change**
12. *Registers section refers to 15855 for additional requirements. Appears it should be 15936 - **revised**
13. *Specification 15936-2.2B specification indicates lay in AVW schedule – **revised spec**
14. *Specification 15936-2.3 CD-3 is specified, not scheduled – **revised spec**
15. *Specification 15936-2.4 specification tag number and description AVW tags and descriptions on schedule – **revised spec**
16. *Specification 15936-2.5 RG-2 border type AVW specifications. Specification calls out steel in paragraph B, aluminum in paragraph E – **revised spec**
17. *Specification 15936-2.6 RG-3 specification material (steel) AVW schedule (aluminum). Specification AVW schedule – border type. Specification AVW schedule on blade type. – **revised spec**
18. *Specification 15936 no specification for FSR-1, RG-4, EG-2, SG-1 – **revised spec**
19. *Specification 15515-2.2A Triple duty valves not applicable – **no change, may be used in lieu of trim in detail**
20. *Specification 15515-2.1E P/T parts equal Petersen? - **revised**

M2.1

Rimac Annex

Review Comments

(AVW = at variance with)

1. *RM 109 has HHWS/R piping running through telecom and electric room with no indication of catch pan requirement – **added note**

M2.2

1. *Z line 46 x 16 duct leaving shaft no FSD - **revised**

M2.4

1. Mechanical pads AVW S2.4 - **pads are for FS equipment and come thru with architectural background**
2. Dimensions of mechanical pads S2.4 – **pads are for FS equipment, not our scope**

M6.1

1. *Detail 2 AVW specification lined plenum box not called out in specification – **in paragraph 3.1.E**
2. *Detail 6 - Note 5 incomplete – **structural reference added**

M6.2

1. *Detail 5 - Drain cooler required at boiler drain? Note shown at valve (top) doesn't make sense – **not required per UCSD direction**
2. *Detail 4 - Blow down required before coil? – **not required**

M7.2

1. *Skipped – controls symbology is unfamiliar – do not recognize this method. Not on legend – **part of control legend on M7.1, symbols per ANSI as noted in instrumentation general notes**

M7.3

1. *Skipped – controls symbology is unfamiliar – do not recognize this method. Not on legend– **part of control legend on M7.1, symbols per ANSI as noted in instrumentation general notes**

E0.1

1. General Notes:
Note #10 as-builts required in Division 1 – **Note deleted**
Note #16 required in Division 1– **Note deleted**
Note #17 Division 1 SWIPP– **Note deleted**
Detail mounting height not referenced – **added ADA detail**

E1.1

1. Detail 1 & 2 Electrical enclosure AVW Plans – **please clarify comment**
2. Concrete equipment pads AVW plans – **added to drawing**

Rimac Annex

Review Comments

(AVW = at variance with)

E2.1

1. Notes:
Note #8 AVW specification 11132 – **added not referencing spec**
Note #5 include telephone - **added**
Note #5 include fire alarm- **added**

E2.2 E Ground Level

1. Notes:
Note #1 AVW E2.2 – **locations shown but reference verification as well**
Note #2 AVW E2.2– **locations shown but reference verification as well**
Note #3 AVW E2.2– **locations shown but reference verification as well**
Detail 1/E4.2 AVW E4.2 – **revised area plan**

E2.3

1. Note #1 AVW E2.3 - – **locations shown but reference verification as well**

E2.4 Roof

1. Cond. Rack for walk-in refrigerator AVW A1.08 - **revised**

E3.1

1. Note #5 AVW E2.1 and schedule – **lighting revised**

E3.2

1. Note #4 AVW plan and schedule – **lighting revised**

E3.3

1. F12 AVW A1.11 – **lighting revised from architectural plan**

E4.1

1. Detail #1 electrical plan room 109 AVW missing architectural pads fastening seismic – **referenced spec**
2. Detail #3 enlarged mock room 107 AVW missing architectural – **coordinated with architectural and revised**
3. Detail #2 enlarged telecom room 109 AVW missing architectural– **coordinated with architectural and revised**

Rimac Annex

Review Comments

(AVW = at variance with)

E4.2

1. Electrical requirements of café cannot be verified, as shown as future – **loads off of FS drawings were used**
2. Equipment 257 not shown or scheduled on this sheet AVW FS4.2 – **revised to match new layout**
3. Equipment 266 not shown or scheduled AVW FS4.2– **revised to match new layout**
4. Schedule on E4.2 AVW FS2.2 equipment 226– **revised to match new layout**
5. Schedule on E4.2 AVW FS2.2 equipment 232– **revised to match new layout**
6. Schedule on E4.2 AVW FS2.2 equipment 234– **revised to match new layout**
7. Schedule on E4.2 AVW FS2.2 equipment 237– **revised to match new layout**
8. Schedule on E4.2 AVW FS2.2 equipment 241– **revised to match new layout**
9. Schedule on E4.2 AVW FS2.2 equipment 242– **revised to match new layout**
10. Schedule on E4.2 AVW FS2.2 equipment 244– **revised to match new layout**
11. Schedule on E4.2 AVW FS2.2 equipment 246– **revised to match new layout**
12. Schedule on E4.2 AVW FS2.2 equipment 247– **revised to match new layout**
13. Schedule on E4.2 AVW FS2.2 equipment 253– **revised to match new layout**
14. Schedule on E4.2 AVW FS2.2 equipment 254– **revised to match new layout**
15. Schedule on E4.2 AVW FS2.2 equipment 273– **revised to match new layout**
16. AVW E0.3. E4.2 calls out panel KP, circuits 23,26. Panel KP does not show on panel schedule– **revised to match new layout**
17. E0.3 shows cond. rack 263 off circuits 31,32, AVW E4.2– **revised to match new layout**
18. Specification 11400, Item 234 Model # AVW FS2.2– **revised to match new layout**
19. Specification 11400, Item 234 is listed as spare – should be 235? – **revised to match new layout**
20. Specification 11400, Item 266 is listed as part of 264. 264 is a spare– **revised to match new layout**
21. Equipment schedule AVW FS2.2 - **deleted**
22. Kitchen Notes
 - Notes AVW project scope – **these are general notes**
 - Notes #1 through #7 AVW project scope– **these are general notes**

E5.2

1. Details #1 through #9 AVW architectural schedules - **please clarify comment**

ED1.1

1. AVW C1.01 - **revised**

Rimac Annex

Review Comments

(AVW = at variance with)

P0.1

1. *Note 20 AVW restroom details at P4.3 and P5.0 riser diagram. HBs called out in note are not shown – **note revised**
2. *Notes 30 and 41 are the same – **note revised**
3. *Notes 34 and 43 are the same – **note revised**
4. *Food Service notes – note 4 calls out chrome or SS pipe where exposed (at kitchen?) No specification for chrome or SS pipe – **note revised**
5. *General Comment – food service notes read as though kitchen build-out is part of CDs. PL drawings clearly indicate that PL build-out is future and by others – **kitchen only is shell and core with infrastructure provided by this project, all other food service areas are provided by this project**

P0.2

1. *Specification 15546 AVW 15440 3.8A AWWA standards conflict – **revised 15440**
2. *Specification 15430-2.2B AVW P0.2 FD-1 – Different model numbers – **FD-1 specified in 15430 2.2A**
3. *Specification 15430-2.2 FD-2 not listed on drawing, listed in specification – **FD-2 deleted**
4. *Specification 15430-21B no RS-1 listed on schedule – **spec revised**
5. *Specification 15430-2.5B – specification description AVW schedule HB-1 - **revised**
6. *Specification 15430-2.5 HB-2 not specified, but shown on schedule – **schedule revised**
7. *Specification 15430-2.6 Specification models AVW schedule TP-1 – **paragraph 2.5 matches schedule**
8. *Specification 15430-2.12/2.13 Specification model AVW schedule – OD-1/RD-1 – **paragraph 2.15 matches schedule**
9. *Specification 15450-2.1 heat exchangers not scheduled – **spec revised**
10. *Specification 15450-2.1 all metallic components that come in contact with domestic water shall be stainless steel. – **heat exchanger paragraph deleted**
11. *Specification 15450-2.2 ET-1 Factory precharge PSIG AVW schedule – **precharge is adjustable, no change**
12. *Specification 15450-2.2.01 Specification not applicable to called out tank size – **no change**
13. *Specification 15450-2.2 manufacturer specified AVW schedule – **manufacturer listed in spec is parent company of model in schedule**
14. *Specification 15450-2.3 model number specification AVW schedule - **revised**
15. *Specification 15450-2.3 specification calls out tags CP-1 and -2. No CP-2 on schedule – **spec revised**
16. *Specification 15450-2.3C electrical data specification AVW schedule - **revised**
17. *No specification for G1 - **-see 15430**
18. *No specification for GWH-1 – **see 15450**
19. *No specification for GPR-1 – **see 15430**
20. *No specification for RO-1 – **see 15430**

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Review Comments

(AVW = at variance with)

21. *No specification for CWD-1 – see **15430**
22. *No specification for WCB-1 – see **15430**

P1.1

1. *Area drains called out – no tag number, no specification, not on schedule - **revised**
2. Legend – **need clarification**

P2.1

1. Floor drain not shown AVW A1.03 – see **enlarged plans**

P2.2 Ground Level

1. AVW P4.1 AVW FS6.1 - **revised**

P2.4

1. Equipment pad AVW structural plans – **pad if for FS equipment and comes through on architectural background**

P4.1

1. *Detail 1 MS-1 called out – not scheduled, not specified – **revised schedule & spec**
2. *Detail 3 No plumbing shown at janitor room detail – **revising**

P4.2

1. *Detail 2 Vent needs to pick up WC-2 on men's side - **revised**

P4.3

1. *Detail 1 HW serving lavatories not labeled - see **legend and notes**
2. *Detail 1 No HWR piped to lavatories – **ties into HW line to furthest lav**
3. *Detail 3 South Lavatory needs HWR - **revised**
4. *Right margin title block has notes with no numbers - **revised**

P5.0

1. *Most pipe not sized - **revised**
2. *No isolation valves shown at floors - **revised**
3. *No specification for concealed insulation (pipe) (exposed 15250) – **exposed is above grade piping, 15060 directs installer to 15250 for plumbing systems requiring insulation**

P5.1

1. AVW P2.4 – **vent risers for future build out have not been indicated**

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Review Comments

(AVW = at variance with)

P6.0

1. *Detail 12, Note 3 calls out flame spread 250, smoke 500 AVW 15250-2.5B 6 and 7 - **revised**
2. *Specification 15250-3.1 D2 refers back to section 2.05. Appears that it should be 2.5 - **revised**

P6.1

1. FS-1.0 detail 1/FS-1.1 note N.I.C. – **need clarification**

FS1.2

1. Environmental Notes:
 - Note #2 AVW 09310 specification <<tile floors clarified in specification>>
 - Note #4 AVW 09260 specification for County Health Department <<finishes will be clarified in Addendum>>
 - Note #5 AVW 09511 specification for County Health Department <<spec clarified>>
 - Eye Wash<<? >>
2. General Notes:
 - Note #2 AVW seismic code <<note will be removed in Addendum>>
 - Note #4 AVW specification <<note was removed>>
 - Note #8 AVW plans <<note will be removed in Addendum>>
 - Note #9 AVW specification 13966/13967 <<will add note to spec in Addendum>>
 - Note #10 Division 1 requirement <<UCSD to add in Division 1>>
 - Note #11 AVW architectural details <<note removed in Addendum>>
 - Note #12 AVW architectural details <<note removed in Addendum>>
 - Note #19 soils report required Division 1 <<UCSD to add in Division 1>>
 - Note #22 AVW seismic requirement <<note was removed>>
 - Note #23 resubmit <<note was removed>>
 - Note #24 AVW project scope <<note removed in Addendum>>
 - Note #32 Finish schedule <<note was removed>>

FS2.1

1. Specification 11400 no itemized specifications for equipment #01-111 <<not in contract>>

FS2.2

1. Schedule on E4.2 AVW FS2.2 equipment 226 <<Peets equipment, will coord for Addendum>>
2. Schedule on E4.2 AVW FS2.2 equipment 232 <<Peets equipment, will coord for Addendum>>

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Review Comments

(AVW = at variance with)

3. Schedule on E4.2 AVW FS2.2 equipment 234 <<Peets equipment, will coord for Addendum>>
4. Schedule on E4.2 AVW FS2.2 equipment 237 <<Peets equipment, will coord for Addendum>>
5. Schedule on E4.2 AVW FS2.2 equipment 241 <<Peets equipment, will coord for Addendum>>
6. Schedule on E4.2 AVW FS2.2 equipment 242 <<Peets equipment, will coord for Addendum>>
7. Schedule on E4.2 AVW FS2.2 equipment 244 <<Peets equipment, will coord for Addendum>>
8. Schedule on E4.2 AVW FS2.2 equipment 246 <<will coord for Addendum>>
9. Schedule on E4.2 AVW FS2.2 equipment 247 <<will coord for Addendum>>
10. Schedule on E4.2 AVW FS2.2 equipment 253 <<will coord for Addendum>>
11. Schedule on E4.2 AVW FS2.2 equipment 254 <<will coord for Addendum>>
12. Schedule on E4.2 AVW FS2.2 equipment 273 <<will coord for Addendum>>
13. Is refrigeration required at #234?
14. AVW FS5.2, equipment 265 and 267 <<will coord for Addendum>>
15. AVW architectural details for depressed slabs <<will coord for Addendum>>

FS3.1 – This Plan is Shown for Reference Only – Future Tenant

1. Equipment #23 drain AVW P4.1 <<N/A>>
2. Floor drains in background Avw P4.1 <<N/A>>
3. HW, CW and gas connections cannot be verified. P4.1 shows these capped for future as they enter this area. <<Correctly indicated>>
4. Equipment #77 AVW FS2.1 <<N/A>>
5. Equipment #62 not shown on this page <<N/A>>
6. Equipment #67 not shown <<N/A>>
7. Equipment #75 not shown <<N/A>>
8. Equipment #77 not shown <<N/A>>

FS3.2

1. HW, CW connections cannot be verified. P4.1 shows these services capped for future build-out. <<Connections added at C-Store and Peets (coffee)>>
2. Floor drain locations AVW P4.1 <<will coord for Addendum>>
3. Floor drain quantities AVW P4.1 <<will coord for Addendum>>
4. Plumbing Notes:
 - Note #6 AVW P4.1 <<will coord for Addendum>>
 - Note #19 AVW architectural drawings <<will coord for Addendum>>

FS4.2

Rimac Annex

Review Comments

(AVW = at variance with)

1. Note 373 is called out with equipment 274. 373 does not appear on schedule.
<<Referenced clarified>>
2. Electrical Notes:
Note #3 AVW architectural drawings <<will coord for Addendum>>

FS5.1

1. Refrigeration plan AVW FS2.1, equipment 6, 14, 15, 22, 77 <<N/A, future tenant>>

FS5.2

1. Legend incomplete <<will coord for Addendum>>

FS6.3 <<This sheet was removed form the set>>

1. AVW specification 13966 missing
2. AVW specification 15870 missing

FS7.1

1. AVW specification 12355 institutional casework legend <<Food service casework – wood and stainless steel are referenced in 11400>>
2. Finish schedule <<will coord for Addendum>>

FS8.1

1. Seismic restraints <<please clarify comment>>
2. Detail #6 sneeze guard required <<please clarify comment>>