



ENGINEERING CLARIFICATION

EC TITLE: Noise Mitigating Updates
PROJECT: 3 Kings Water Treatment Plant

EC NO.: 76
DATE: 11/4/2020
STATUS: Open

SECTION 1: BY CONTRACTOR

QUESTION:

Owner directed noise mitigating doors and wall assembly.

DRAWING NO.: _____ **POTENTIAL COST IMPACT:** _____
SPECIFICATION SECTION: 08 11 00Metal Doors and Frames **POTENTIAL SCHEDULE IMPACT:** _____

PROPOSED SOLUTION:

1. Provide sound retardant doors and frame at openings 100203A (west exterior doors of Micro Hydro Room) and 700101A (west exterior doors of Generator Room). Sound retardant doors shall be as specified in Section 08 11 00, 2.02 E.
2. At Facility 100, wall types A9 and F5 include "sound deadening board" which is specified in Section 09 29 00, 2.05 C. Replace this with 5/8" GWB such that these wall types have 2 layers of 5/8" GWB. Provide Level 1 treatment on the first layer of GWB and stagger joints of second layer by at least 6-inches.
3. At Facility 100, wall types A9 and F5, include 25 guage 7/8" furring channels orineted horizontally at 24" spacing and resilient sound isolation clips attached to metal stud framing at 48" spacing (in accordance with PAC International assembly RSIC-1. Refer to attachment and website https://pac-intl.com/pdf_rsic_dwq/RSIC-1_CW_022904-4.pdf).
4. Contractor shall record these revisions to as-built drawing set.

COMMENTS:

INITIATOR: Kirsten, Geoffrey/CVO

PRIORITY: Normal
REQUESTED RESPONSE DATE: 11/18/2020

SECTION 2: BY REVIEWER

RESPONSE:

COMMENTS:

REVIEWED BY: Kirsten, Geoffrey/CVO

REVIEWED DATE: 10/25/2020

RSIC-1 ACOUSTIC ASSEMBLY

WALL ASSEMBLY

DIRECT FIX TO CMU



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CMU Assembly STC 76



CONSTRUCTION

- * 2 layers 5/8" Gypsum
- * 7/8" x 25 gauge furring Channel @ 24" o.c.
- * RSIC-1 clips at 48" o.c.
- * 6" CMU Block
- 3.5" 20 gauge steel stud @ 16" o.c.
- * 1.5" unfaced fiberglass insulation
- * 2 Layers 5/8" Gypsum
- * Insul 5.5

Provide at Wall Types A9 and F5.

**SOUND
TRANSMISSION
CLASS**

STC 76