

WILLIAM F. STUHRKE, PhD, P.E.

FLORIDA P.E. #22150 12215 REBECCA'S RUN DR. WINTER GARDEN, FL. 34787
(407) 920-3119

Wedgworth Project Summary Report of A&S Package

September 28, 2021

The following specific changes and additions are referenced to the A&S BUILDING SYSTEMS drawings for the WEDGEORTH BAG PLANT Job # 17-B-57315-1, certified June 16, 2020.

Sheet E7 of 41;

1. Wall X-Bracing along Grid Line 1, between Column Line D&E to be removed to allow for a OHD 14'W X 14'H to be added, provide framing as needed for the OHD.
2. Add Pipe Bracing along Grid Line 1, between Column Lines A&B to be added.
3. Along Roof between Column Lines A&B and between Column Lines 1&2,2&3, 3&4 and 4&5 provide X-Bracing and Pipe Bracing where needed along Column Lines 1, 2, 3, 4, &5.
4. Additional Bays have been added from Column Line 8.2 to 9 and Column 9 to 10, see structural plans prepared be David Maas.

Sheet E10 of 41;

1. Remove X-Bracing at top section of Wall at Grid Line E, between Column Lines 6&7 to between Column Lines 5&6 top section of wall. Pipe Bracing shall remain between Column Lines 6&7 and added between Column Lines 5&6 where X-Bracing is added to the top section of the wall.

Note, all other X-Bracing shall remain in all other sections of the wall between Column Lines 6&7.

Sheet E11 of 41;

1. Remove X-Bracing from lower section of Wall between Column Lines 5&6 and 8&9. Add X-Bracing to the lower section of wall between Column Lines 10&11 and 12&13 just the lower section of the wall below the 22' level. Note, X-Bracing located in the Tag Room between Column Lines 12&13 and between Grid Lines B&C along Grid Line 13, Inside the Tag Room as requested we will fur out the walls so all X-Bracing will be conceal in the furred out walls. Pipe Bracing to be added where needed.
2. Move exterior door in the Tag Room to the center of the wall between Column Lines 12&13.
3. All sidewall girts to be removed below the 17' level along Grid Line B, between Column Lines 5&6, 6&7, 7&8, 8&9 and 9&10.
4. Verify with David Maas, is X-Bracing being added at roof level between Grid Lines A&B and between Column Lines 8.2&9 and 9&10, also include adding Pipe Bracing where needed

1

William F. Stuhrke, PhD, PE
State of Florida PE # 22150

WEDGEWORTH PROJECT
BUILDING STRUCTURAL MODIFICATIONS
September 28, 2021

5. See Structural Plans prepared by Davis Maas for the addition of two Bays between Grid Lines A&B and between Column Lines 8.2&9 and 9&10, add these two Bays and provide additional structure to fully frame these added Bays, see Structural and Architectural Plans for more information.

Sheet E12 of 41;

1. Add Personnel Doors centered between Column Lines B&C and D&E along Grid Line 5.
2. Remove OHD between Column Lines C&D and all associated framing along Grid Line 5.
3. Provide additional framing needed to receive FRP Wall Panels between Column Lines A&B, FRP Wall Panels to be full height and this occurs along Grid Line 5. In this same location add all required framing needed for OHD 12'W X 14'H, (reuse and modify framing from OHD that was removed between Column Lines C&D along Grid Line 5.

Sheet E13 of 41;

- 1 Remove X-Bracing in lower section of Wall between Column Lines D&E along Grid Lines 13, Add exterior door, see A2.1 for location. All Pipe Bracing to remain and all other X-Bracing shall remain in all other sections of this wall between Column Lines D&E along Grid Line 13.
- 2 Add X-Bracing in lower section of Wall between Column Lines C&D along Grid Lines 13, Add Door centered between Column Lines C&D, and add Pipe Bracing at the 22' level as needed.
- 3 Remove OHD and all associated framing from this section of wall between Column C&D along Grid Line 13. Replace with wall girts and siding as required.

Sheet E16 of 41;

1. Wall X-Bracing along Grid Line 1, between Column Line D&E to be removed to allow for a OHD 14'W X 14'H to be added, provide framing as needed for the OHD.
2. Add Pipe Bracing along Grid Line 1, between Column Lines A&B to be added.
3. Along Grid Line 8.2, between Column Lines A&B remove sidewall girts to keep this area open and to receive two additional Bays being added between Column Lines 8.2&9 and between Column Lines 9&10.
4. Along Grid Line 8.2 at Roof between Column Lines A&B remove Eave Member and add additional framing as needed to create a ridge line at the roof level, see Structural Plans.
5. Along Grid Line A between Column Lines 1 thru 5 all Sidewall Girts to remain from 17' AFF to Roof Eave Member with FRP Wall Panels over (No FRP wall panels below the 17' level). Along Grid Line A between Column Lines 5 thru 10 Sidewall Girts to be provided from finish floor to Roof Eave Member with FRP Wall Panels over, full height from Floor to roof.

Sheet E17 of 41;

1. Remove all openings in this wall along Grid Line E, between Column Lines 1&2, 2&3, 3&4 and 4&5.
2. A&S Plans don't show any X-Bracing along Grid Line E and no additional "X" bracing will be required.

Sheet E18 of 41;

1. Provide additional framing along Grid Line A, between Column Lines 5&5.8, 5.8&6.6, 6.6&7.4, 7.4&8.2, 8.2&9 and 9&10. See Structural Plans by David Maas. All of these wall to receive FRP Wall Panels, full height.

2

William F. Stuhrke, PhD, PE
State of Florida PE # 22150

WEDGEWORTH PROJECT
BUILDING STRUCTURAL MODIFICATIONS
September 28, 2021

2. Provide framing for OHD 14'W X 14'H along Grid Line A, between Column Lines 5.8&6.6 and 8.2&9.
3. Add two more Bays along Grid lines A&B, between Column Lines 8.2&9 and 9&10 and provide all framing needed to fully enclose these spaces, see Structural Plans by David Maas.
4. Verify with David Maas if X-Bracing needs to be added along Grid Line A, walls between Column Lines 5&5.8, 5.8&6.6, 6.6&7.4, 7.4&8.2, 8.2&9 and 9&10.

Sheet E21 of 41;

1. A&S Plans don't show any X-Bracing along Grid Line 5 and none will be required between Column Lines F&G, H&I and I&J.
2. Between Column Lines E&F, provide additional framing to modify clear height of opening from 30' high to 20' high, provide additional framing as needed to extend and receive the added FRC Wall Panels down to the revised height of the opening.
3. Between Column Lines G&H along Grid Line 5 add framing needed to receive an OHD 14'W X 14'H and add framing for a personnel door 3' X 7'.
4. Between Column Lines I&J provide additional framing for a personnel door 3'X 7' with the bottom of the door opening installed at 20'-4" AFF and the East side of the door opening being 6'-8" from column Line J.
5. Between Column Lines I&J provide additional framing for a penetration thru the wall to allow the Tripper to pass thru (opening is 2'-4-3/16"W X 2'-1-5/8"H), with the bottom of the opening installed at 21'-0" AFF and the East side of the opening being 11'-3-7/8" from column Line J.

Sheet E22 of 41;

1. Along Grid Line 13, Between Column Lines E&F, provide additional framing to modify clear height of opening from 30' high to 20' high, provide additional framing as needed to extend and receive the added FRC Wall Panels down to the revised height of the opening.
2. Remove Lower Sidewall Girts along Grid Line F, Typical between Column Lines 5&6, 6&7, 7&8, 8&9, 9&10, 10&11, 11&12, and 12&13 to provide a clear open area between each of these Columns up to 17' AFF.

Sheet E23 of 41;

1. Between Column Lines G&H along Grid Line 15 add framing needed to receive an OHD 14'W X 14'H and add framing for a personnel door 3' X 7'.

Sheet E24 of 41;

1. Remove Lower Sidewall Girts along Grid Line F, Typical between Column Lines 5&6, 6&7, 7&8, 8&9, 9&10, 10&11, 11&12, and 12&13 to provide a clear open area between each of these Columns up to 17' AFF.

Sheet E25 of 41 and E26 of 41;

1. Remove Lower Sidewall Girts along Grid Line B, Typical between Column Lines 5&6, 6&7, 7&8, 8&9 and 9&10 to provide a clear open area between each of these Columns up to 17' AFF.

Sheet E31 of 41;

1. Remove Sidewall Girts along Grid Line B, Typical between Grid Lines A&B along Column Line 8.2. Also remove Eave Member at roof along Column Line 8.2 and

3

William F. Stuhrke, PhD, PE
State of Florida PE # 22150

WEDGEWORTH PROJECT
BUILDING STRUCTURAL MODIFICATIONS
September 28, 2021

between Grid Lines A&B and provide additional framing as needed to form a ridge at the roof level along Column Line 8.2 and between Grid Lines A&B.

2. Add Endwall Girts for added FRP Wall Panels that run from 17' AFF to roof from Column Lines 1 to 5 along Grid Line A.
3. Add Endwall Girts for added FRP Wall Panels full height from Column Lines 5 to 10 along Grid Line A.
4. Add two more Bays along Grid lines A&B, between Column Lines 8.2&9 and 9&10 and provide all framing needed to fully enclose these spaces, see Structural Plans by David Maas.

Sheet E35 of 41, E36 of 41, E37 of 41, E38 of 41 and E39 of 41;

1. Remove Lower Sidewall Girts along Grid Line F, between Column Lines 5 to 13, to provide a clear path up to the 17' level.