GONZALEZ ARCHITECTS
7545 N. DEL MAR, SUITE 203 FRESNO, CALIFORNIA 93711 TEL: (559) 497 - 1542 FAX: (559) 497 - 1549

ADDENDUM NO. 2

DATE: January 13, 2021

BID NO. 2838

CLOVIS EAST HIGH SCHOOL CTE FARM AND FOOD PRODUCT FACILITY
CLOVIS UNIFIED SCHOOL DISTRICT
CLOVIS, CALIFORNIA

FILE NO. 10-H3
APPL. NO. 02-118543

G.A. PROJECT NO. 1739

NOTICE TO ALL CONTRACTORS SUBMITTING BIDS FOR THIS WORK AND TO ALL PLAN HOLDERS:
You are hereby notified of the following changes, clarifications or modifications to the original Contract Documents, Project Manual, Drawings, Specifications and subsequent Addenda. This Addendum shall supersede the original Contact Documents, and previous Addenda wherein it contradicts the same and shall take precedence over anything to the contrary therein. All other conditions remain unchanged.

INDEX OF ADDENDA TRANSMITTED HEREWITH
Addendum Item AD2-A01 thru AD2-A05

AD2-A01: ARCHITECTURAL DRAWINGS:

1. PARAPET WALL CLARIFICATION
   Refer to Roof Plan, Sheet A2.2

   The parapet wall shown on the northeast corner of the roof plan has its finishes defined by Details 10 & 14/A6.3.

2. CASEWORK CLARIFICATION
   Refer to Sheet A7.1 Modular Casework Schedule, Room 2

   The modular casework at Room 2, group (2d) and (2f) at the sink locations are to be AWS Design #155 in lieu of 156. This modular cabinet has no toe-kick or base and the epoxy flooring shall extend into the cabinet floor area with 6" epoxy coved base.

3. DEMOLITION SITE PLAN DRAWING SCALE:
   Refer to Sheet A1.2, Demolition Site Plan

   Drawing scale should read: 1"=20'-0".

4. EQUIPMENT SCHEDULE CLARIFICATION:
   Refer to Sheet A7.2, Equipment Schedule

   The Outdoor Processing Area 2 compartment sink is to be Contractor Furnished Contractor Installed (CFCI).

5. PROJECT CONSTRUCTION ENCLOSURE:
   Refer to attached drawing AD-1 Staging Area

   A temporary project enclosure shall be provided; see attached drawing AD-1 Staging Area for requirements.

AD2-A02: SPECIFICATIONS:

1. FIBERGLASS REINFORCED PLASTIC PANELS (FRP):
   Insert the following in Spec. Section 10-050, Part 3.04.

   "6. Furnish and install FIBER-LITE fiberglass reinforced plastic panels including aluminum trim elements as manufactured by NUDO PRODUCTS Incorporated. Panel thickness .09 inches by 48 inches wide and height shown on drawings with texture finish and colors selected by Architect from manufacturers standard colors. Maximum flame spread index of 25, Class A in accordance with ASTM E-84. Install per manufacturer's recommendations.
   Smoke Generation<450"

2. MODULAR CABINETWORK:
   Refer to Spec. Section 06-412, Part 1.04, C.

   Delete Inland Showcase Co. and insert Architectural Wood Design, Fresno, CA. (559) 292-9104.

3. PLUMBING:
   Refer to Spec. Section 22 00 00, Part 1.2.

   Subject spec. section covers sanitary sewer and domestic water systems, gas…… etc.

4. EPOXY FLOORING COATING:
   Refer to Spec. Section 09-672

   1. Insert subject spec. section on Project Manual Table of Contents under Division 9.
   2. Refer to Part 2.1, A. Revise manufacturer name to "Sherwin Williams".

AD2-A03: CIVIL PLANS:

Refer to Sheet C2, Grading & Drainage Plan.

Just north of east-west trench drain is a rouge '6" SD' cleanout symbol;
delete '6" SD' cleanout.

AD2-A04: STRUCTURAL ITEMS:

Incorporate into the project attached Brooks Ransom Associates Memorandum dated 1/12/2021 and corresponding (9) sheets.

AD2-A05: **ELECTRICAL ITEMS:**

Incorporate attached HDE Electrical Addendum Memorandum dated 1/12/2021 into the project; added replacement drawings E1.01 and E5.02.

END OF ADDENDUM

East Gettysburg

(E) C.L. Fence

Temporary 20'-0 C.L. Gate for Construction Access. Repair existing fencing when construction is completed.

Project Construction Enclosure (Staging Area)

Temporary C.L. Fencing

'A'

CTE: FARM AND FOOD PRODUCT FACILITY

NEW CLASSROOM LAB BLDG.
See Partial Site Plan Sht. A1.3

68'-6"

150'-0"

10'-0"

65'-0"

typ.

50'-0" min.

to remain School Hours

50'-0" min.

Temporary C.L. Fencing

Temporary C.L. Gate

(E) C.L. Fence & Gate

NORTH

CAMPUS PARTIAL SITE PLAN

SCALE: 1" = 30'

FILE NO.: 10-H3 APPL. NO.: 02-118543

LICENSED ARCHITECT
JUAN M. GONZALEZ
No. C-12865
RENEWAL DATE
12/31/2021
STATE OF CALIFORNIA

MARK	DATE	DESCRIPTION

GONZALEZ ARCHITECTS
ARCHITECTURE PLANNING
JUAN M. GONZALEZ, A.I.A.
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TEL: 559-497-1542
FAX: 559-497-1549

CTE: FARM AND FOOD PRODUCT FACILITY
CLOVIS EAST HIGH SCHOOL
CLOVIS UNIFIED SCHOOL DISTRICT

PROJECT NO: 1739

DATE: 1/13/2021

SHEET TITLE:
STAGING AREA

AD-1

BrooksRansom ASSOCIATES

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(559) 449-8404 FAX
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Gaylord "Rick" Ransom, SE, CE | Scott Carter, CE | Arturo Lopez | Dwight Drew, SE, CE
Klare Yavasile, SE, CE | Eric Bain, CE | Nathan Miller, CE | Dioseline Garcia-Padron, CE

7415 N. Palm, Ste. 100
Fresno, Ca 93711

January 12, 2021 Project No 20269

Juan Gonzales
Gonzales Architects

Subject: CTE: Farm and Food Product Facility - Clovis East H.S.

X/S1.2:

1.) Added GLB notes detail 12.

S2.1:

1.) Revised and clarified footing call outs and structural walls.

S3.1:

1.) Revised and clarified ledgers on plans.

2.) Added and clarified beam camber.

3.) Added column bracing to roof diaphragm detail 10.

S4.1:

1.) Revised and clarified elevations and extent of soffit.

S4.2:

1.) Added and detailed structural wall on elevation 1.

2.) Revised and clarified wall on elevation 2.

S4.3:

1.) Revised and clarified detail connections.

2.) Revised and clarified wall elevations and provided details.

S4.4:

1.) Revised elevation to show screen wall.

S6.1:

1.) Clarified and provided required 3X blocking.

2.) Clarified full depth blocking.

3.) Revised and clarified tie straps.

4.) Revised and clarified ledger Information and quantity of fasteners required.

5.) Provided additional blocking and nailing on detail 5.

6.) Provided cover sheathing @ parapet on detail 7.

7.) Revised and clarified detail 11.

S6.2:

1.) Clarified weld call outs on detail 1.

2.) Revised and clarified soffit extent and WF beam detail Information on detail 3 and detail 4.

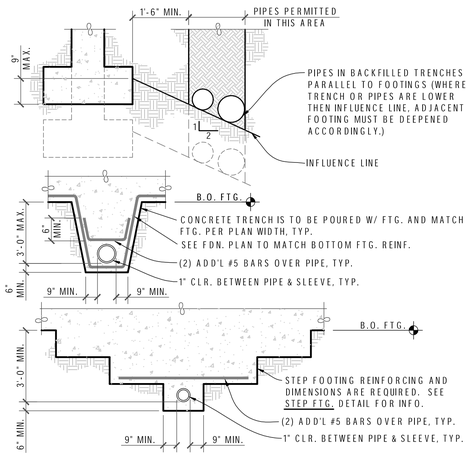
3.) Provided detail call out on detail 5.

4.) Revised detail 7.

5.) Clarified nailing on detail 8.

Respectfully Submitted,

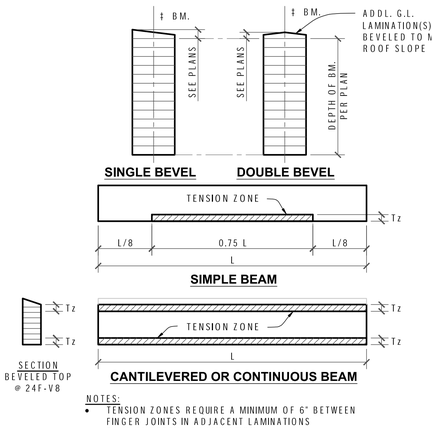
Art Lopez
Principal



10 PIPES BELOW/ADJACENT TO FTG

SCALE: N.T.S.

1. ALL GLB MEMBERS TO BE 'GLUE LAMINATED' TIMBERS AS SPECIFIED IN N.D.S.-15 SECTION 5 AND 2016 C.B.C. SECTION 2303.1.3.1. ALL GLB SHALL BE CONSTRUCTUED FROM THE D.F. SPECIES GROUP MATERIAL. SEE STRUCTURAL PLANS FOR SPECIFIC INFORMATION ON THE GLB'S BEING USED ON THIS PROJECT. SUBSTITUTE GLB'S MUST BE SUBMITTED AND APPROVED BY D.S.A./O.S.H.P.D. AS A CHANGE ORDER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL BEAR ALL COSTS OF OBTAINING APPROVAL OF SUBSTITUTES, WITH NO GUARANTEE THAT THE SUBSTITUTE WILL BE ACCEPTED.
2. ALL GLB SHALL BE MANUFACTURED AND IDENTIFIED AS REQUIRED BY A.I.T.C. A190.1 AND A.S.T.M. D 3737.
3. ALL GLB MEMBERS SHALL BE DESIGNED TO THE REQUIREMENTS OF THE 2016 C.B.C. CHAPTER 23 AND N.D.S.-15 SECTION 5.
4. ALLOWABLE STRESS INCREASES FOR LOAD DURATION SHALL BE:
   - WIND OR SEISMIC 1.6
   - ROOF AND SNOW 1.15
   - FLOOR 1.0
5. NO REPETITIVE MEMBER STRESS INCREASES ARE ALLOWED PER N.D.S.-15 SECTION 5.
6. NO HOLES OR NOTCHES OF ANY KIND ARE ALLOWED IN ANY GLB'S, UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
7. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON STRUCTURAL DRAWINGS WITH ARCHITECTURAL DRAWINGS, AND THEN VERIFY IN FIELD WALL LAYOUT DIMENSIONS. NOTIFY THE ENGINEER AND ARCHITECT PRIOR TO PROCEEDING IF ANY DISCREPANCIES EXIST.
8. ALL GLB'S ARE IN DRY SERVICE CONDITIONS, U.N.O. WHERE WET SERVICE CONDITIONS OCCUR, THE GLB'S SHALL MEET THE REQUIREMENTS OF THE 2016 C.B.C. SECTION 2304.11.3.
9. DURING SHIPPING AND FIELD HANDLING, ALL SEALING AND WRAPPING REQUIREMENTS OF A.I.T.C. 111 SHALL APPLY.
10. ALL SIMPLE SPAN GLB MEMBERS SHALL BE 24F-V4. ALL CANTILEVERED OR MULTI SPAN GLB MEMBERS SHALL BE 24F-V8, U.N.O.
11. GLB MEMBERS SHALL MEET THE MINIMUM PROPERTIES SHOWN BELOW:
    - F_b = 2,400 PSI
    - $F_{C\ (PERPENDICULAR)}$ = 650 PSI
    - E = 1,800,000 PSI
    - F_v = 265 PSI
    - $F_{C\ (PARALLEL)}$ = 1,650 PSI
    - $E_{MIN.}$ = 930,000 PSI

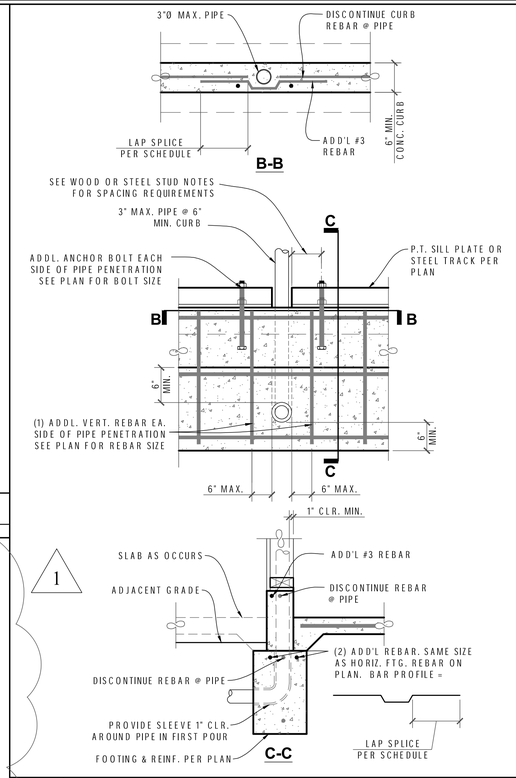


NOTES:
- TENSION ZONES REQUIRE A MINIMUM OF 6" BETWEEN FINGER JOINTS IN ADJACENT LAMINATIONS
- T_z = 1/8" DEPTH + 1 LAMINATION

12 GLB NOTES

GLUE LAMINATED BEAM

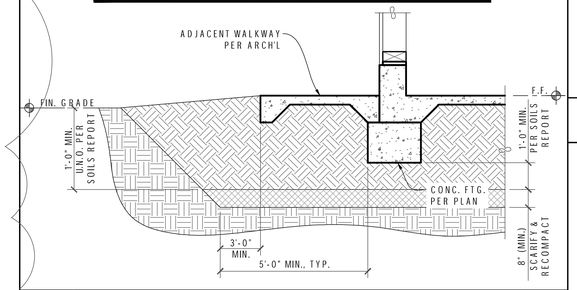
SCALE: N.T.S.



7 PIPE THRU CONC. CURB AND FTG.

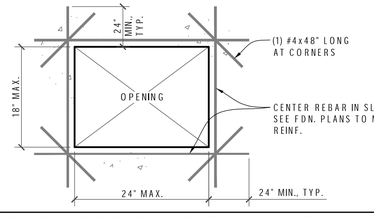
SCALE: N.T.S.

NOTES:
1. REMOVE AND STRIP ALL SURFACE MATERIAL PER SOILS REPORT.
2. EXCAVATE AND STOCKPILE EXISTING SOIL AT PROPOSED BUILDINGS.
3. REVIEW GEOTECHNICAL REPORT FOR REMOVAL OF (E) TREES & LOOSE/DISTURBED SOILS.
4. REVIEW WITH GEOTECHNICAL ENGINEER FOR ANY ADDITIONAL REMOVAL PRIOR TO PROCEEDING WITH RECOMPACTION.
5. SCARIFY, MOISTURE CONDITION AND RECOMPACT AS ENGINEERED FILL 8" MIN. AT BOTTOM OF EXCAVATION AND BUILDING PAD. RECOMPACT TO 95% PER ASTM D1557.
6. RETURN EXCAVATED SOIL AS ENGINEERED FILL, WITH PRIOR APPROVAL FROM GEOTECHNICAL ENGINEER AND RECOMPACT TO 92% OF MAXIMUM DRY DENSITY PER ASTM D1557. ENGINEERED FILL SOILS SHOULD BE PLACED IN LOOSE LIFTS APPROXIMATELY 8" THICK, MOISTURE - CONDITION TO WITHIN 3% OF THE OPTIMUM MOISTURE CONTENT.



8 OVER EXCAVATION

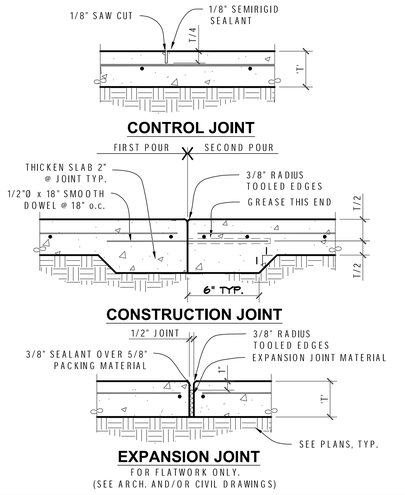
SCALE: N.T.S.



9 CONCRETE SLAB OPENING

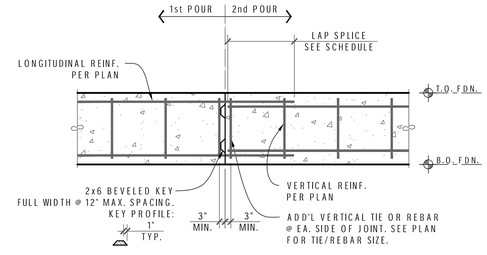
SCALE: N.T.S.

NOTES:
1. JOINT SPACING SHALL NOT EXCEED 10 FEET O.C. IN ANY DIRECTION.
2. JOINTS SHALL DIVIDE SLABS INTO AREAS NOT EXCEEDING 100 SQUARE FEET. THESE AREAS SHALL NOT CONTAIN REENTRY CORNERS AND MUST HAVE LENGTH TO WIDTH RATIOS NOT EXCEEDING 1.5 TO 1.0.
3. THE CONTRACTOR SHALL SUBMIT A CONTROL JOINT PLAN FOR APPROVAL PRIOR TO POURING THE CONCRETE SLAB.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE SLAB JOINTS WITH THE LOCATIONS OF TILE CRACK CONTROL JOINTS. VERIFY TILE CRACK CONTROL JOINTS WITH THE ARCHITECT, IF APPLICABLE.
5. CONCRETE SLAB WORK SHALL BE IN ACCORDANCE WITH A.C.I. 302.1R



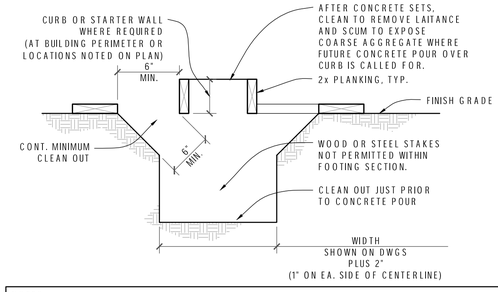
4 CONCRETE SLAB JOINTS

SCALE: N.T.S.



5 CONCRETE FOOTING JOINT

SCALE: N.T.S.



NOTES:
1. FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THAT FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE ARCHITECT, OR STRUCTURAL ENGINEER, SUBJECT TO THE APPROVAL OF THE D.S.A./O.S.H.P.D. IN SUCH CASE, THE MINIMUM FORM WORK SHOWN ABOVE IS MANDATORY TO INSURE CLEAN EXCAVATIONS IMMEDIATELY PRIOR TO, AND DURING, THE PLACING OF CONCRETE.
2. FORMWORK NOT PERMITTED BELOW GRADE UNLESS FULLY FORMED.

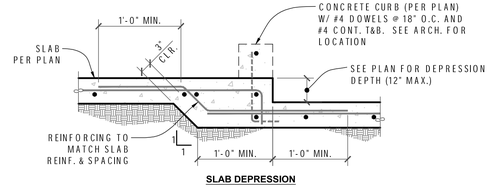
6 REQUIRED CONT. FTG. FORM WORK

SCALE: N.T.S.

1. FOUNDATIONS SHALL BEAR ON ENGINEERED FILL OR NATIVE SOIL A MINIMUM OF 18" BELOW ADJACENT GRADE OR FINISHED GRADE U.N.O. IN A SOILS REPORT.
2. MAXIMUM SIZE AGGREGATE SHALL BE AS FOLLOWS:
   - SLAB ON GRADE: 1"
   - FOOTINGS: 1 1/2"
   - COLUMNS & WALLS 1 1/2"
3. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE AS FOLLOWS:
   - 4000 PSI NORMAL WEIGHT SLAB ON GRADE
   - 3000 PSI NORMAL WEIGHT FOOTINGS
   - 4000 PSI NORMAL WEIGHT CONCRETE COLUMNS & WALLS
4. MAXIMUM WATER CEMENT RATIOS SHALL BE AS FOLLOWS:
   - 0.45 SLAB ON GRADE
   - 0.50 COLUMNS & WALLS
   - 0.58 FOOTINGS
5. THE FOLLOWING ARE MINIMUM CONCRETE COVER DIMENSIONS PER ACI 318-14 SECTION 20.6.1. THEY ARE FROM FACE OF REINFORCING STEEL TO FACE OF CONCRETE.
   - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
   - CONCRETE EXPOSED TO EARTH OR WEATHER: (NO. 6 THROUGH NO. 18) 2"; (NO. 5 AND SMALLER) 1 1/2"
   - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS, WALLS AND JOISTS: (NO. 14 AND NO. 18) 1/2"; (NO. 11 AND SMALLER) 3/4"; BEAMS AND COLUMNS: (ALL SIZES) 1 1/2"; SHELLS AND FOLDED PLATE MEMBERS: (NO. 6 AND LARGER) 3/4"; (NO. 5 AND SMALLER) 1/2"
   - PLACE REINF. AT MID-THICKNESS FOR SLABS ON GRADE.
6. CONSTRUCTION LOADS SHALL NOT BE PLACED ON NEW CONCRETE CONSTRUCTION, INCLUDING CONCRETE TOPPING ON METAL DECK, FOR AT LEAST 7 DAYS AFTER CONCRETE PLACEMENT OR WITH APPROVAL BY ENGINEER.
7. ALL SPLICES IN CONTINUOUS REINFORCEMENT USED IN WALLS, FOOTINGS, ETC. SHALL HAVE A MINIMUM LAP AS DESCRIBED IN THE TYPICAL DETAIL 9/X/S1.3. SPLICES IN ADJACENT BARS SHALL NOT BE LESS THAN 4'-0" APART. VERTICAL WALL BARS SHALL BE SPLICED AT OR NEAR FLOOR LINES. BARS MAY BE WIRED TOGETHER AT SPLICES OR LAPPED EXCEPT FOR TOP REINF. OF BEAM AND SLABS, OR WHERE SPECIFICALLY DETAILED TO BE SEPARATED.
8. ALL REINFORCEMENT CROSSING CONSTRUCTION JOINTS SHALL BE CONTINUOUS, OR SHALL BE MADE EFFECTIVELY CONTINUOUS BY USE OF FULLY DEVELOPED LAP SPLICES, DOWELS (WITH LAPPED SPLICES) OR APPROVED COUPLERS.
9. HORIZONTAL CONSTRUCTION JOINTS SHALL HAVE ENTIRE SURFACE REMOVED TO EXPOSE CLEAN AGGREGATE SOLIDLY EMBEDDED.
10. CONCRETE SHALL NOT BE DROPPED THROUGH REINF. STEEL (AS IN WALL) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES, HOPPERS AND VERTICAL CHUTES OR TRUNKS SHALL BE USED. CHUTES OR TRUNKS SHALL BE OF VARIABLE LENGTHS SO THAT FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED FIVE (5) FEET AND A SUFFICIENT NUMBER OF CHUTES AND TRUNKS SHALL BE USED TO ENSURE THE CONCRETE REMAINS LEVEL AT ALL TIMES.
11. ALL STEEL COLUMN BASE PLATES AND STEEL BEAMS BEARING ON CONCRETE SHALL BEAR UPON 1 1/2" OF NON-SHRINK, 3,000 PSI MIN, GROUT PADS AND LEVELING NUTS, U.N.O.
12. WHERE STEEL MEMBERS BEAR IN CONCRETE OR MASONRY WALLS, OPENINGS SHALL BE DRY-PACKED AFTER STEEL IS IN PLACE.
13. CONTRACTOR SHALL SUBMIT PROPOSED POUR SCHEDULE FOR ENGINEER'S APPROVAL PRIOR TO THE FORMING OR POURING OF ANY CONCRETE WORK.
14. PROVIDE 3/4" CHAMFER AT EXPOSED EDGES OF CONCRETE BEAMS, COLUMNS AND WALLS UNLESS NOTED OTHERWISE.
15. THE CONTRACTOR SHALL FURNISH AND INSTALL 1/2" PRE-MOLDED EXPANSION JOINTS IN ALL EXTERIOR WALKS AND SLABS AS INDICATED ON DRAWINGS, BUT IN NO CASE MORE THAN 24'-0" O.C.
16. ALL REINFORCING SHALL CONFORM TO A.S.T.M. A615 AND SHALL BE GRADE 40 FOR #3, GRADE 60 FOR #4 AND LARGER.
17. COLUMN SPIRALS SHALL CONFORM TO "STANDARD SPECIFICATION FOR COLD-DRAWING STEEL FOR CONCRETE REINFORCEMENT" ASTM A82 WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI. FABRICATION SHALL CONFORM TO ACI MANUAL OF STANDARD PRACTICE.
18. WELDED WIRE FABRIC SHALL CONFORM TO A.S.T.M. A185.
19. ALL WELDING OF REINFORCING STEEL SHALL BE WITH LOW HYDROGEN ELECTRODES U.N.O. WELDING OF REINFORCING SHALL BE ALLOWED ONLY WHERE DETAILED ON DRAWINGS. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AMERICAN WELDING SOCIETY SPECIFICATIONS AWS D1.4. WELDING SHALL NOT BE DONE WITHIN TWO BAR DIAMETERS OF ANY BENT PORTION OF A BAR WHICH HAS BEEN BENT COLD. WELDING OF CROSSING BARS SHALL NOT BE PERMITTED FOR ASSEMBLY OF REINFORCEMENT UNLESS AUTHORIZED BY THE STRUCTURAL ENGINEER OF RECORD. A.S.T.M. A706 REINFORCING SHALL BE USED FOR ALL REINFORCING THAT IS BEING WELDED.
20. WHERE DRILLED PIERS ARE USED, CONTRACTOR IS RESPONSIBLE TO PROVIDE MEASURES TO DRILL HOLE PER PLANS BY USE OF CASING IF UNFORESEEN SOIL CONDITIONS ARE ENCOUNTERED

2 FOUNDATION AND CONC. NOTES

SCALE: N.T.S.



NOTES:
1. FOR DEPRESSED SLAB LOCATION & DEPTH SEE ARCH'L PLANS.
2. FOR SLAB ON GRADE & REINF. INFORMATION SEE PLANS.

3 SLAB DEPRESSION AND EDGE

SCALE: N.T.S.

FILE NO.: 10-H3 APPL. NO.: 02-118543

JUAN M. GONZALEZ
No. C-12865
RENEWAL DATE 12/31/2021
LICENSED ARCHITECT
STATE OF CALIFORNIA

MARK	DATE	DESCRIPTION
1	1/13/2021	ADDENDUM #2

CTE: FARM AND FOOD PRODUCT FACILITY
CLOVIS EAST HIGH SCHOOL
CLOVIS UNIFIED SCHOOL DISTRICT

GONZALEZ ARCHITECTS
ARCHITECTURE PLANNING
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7545 N. DEL MAR AVENUE, SUITE 203
FRESNO CALIFORNIA 93711
TEL: 559-497-1542
FAX: 559-497-1549

PROJECT NO: 1739

DATE: 8/31/2020

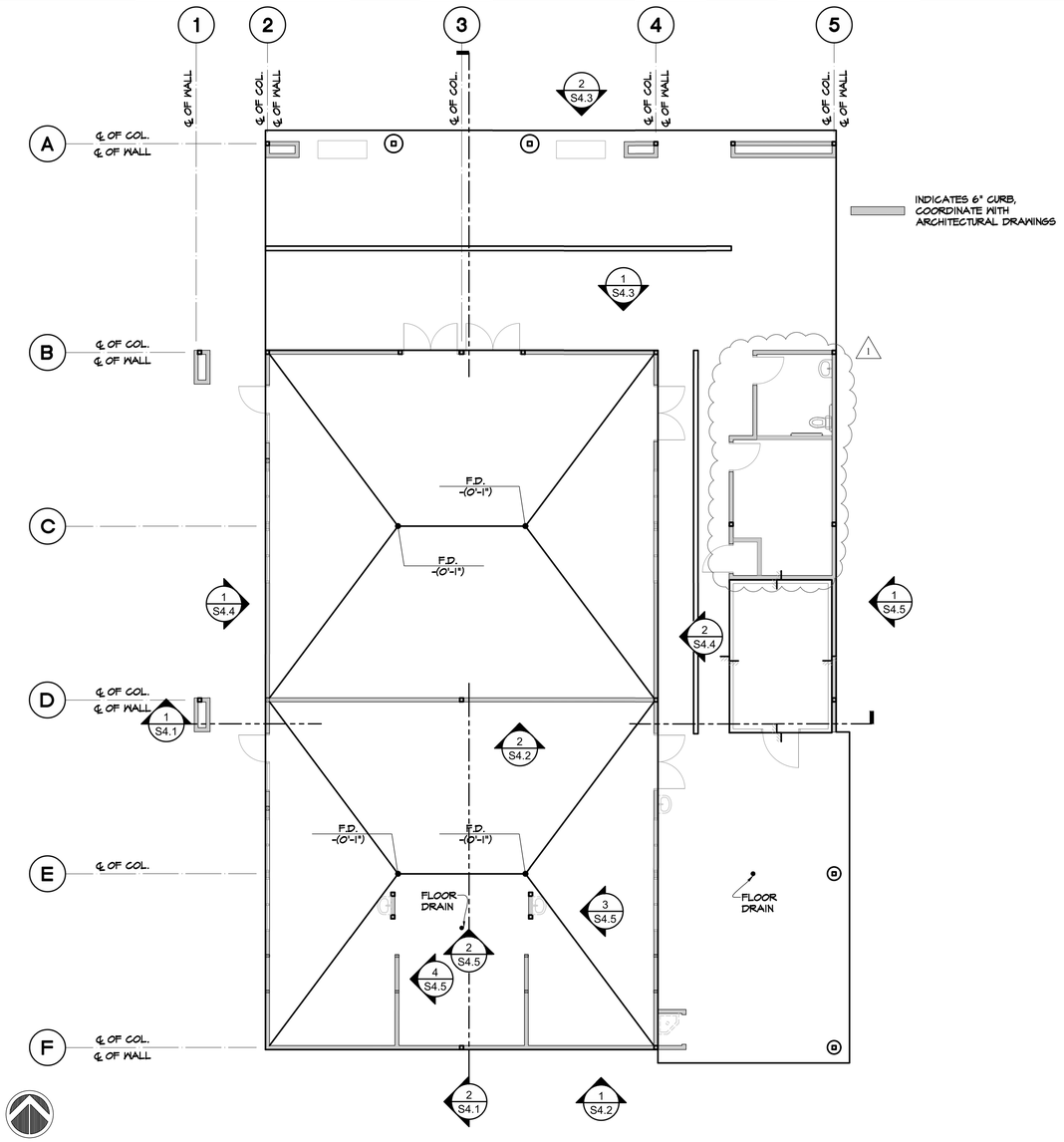
SHEET TITLE:

TYPICAL DETAILS

X/S1.2

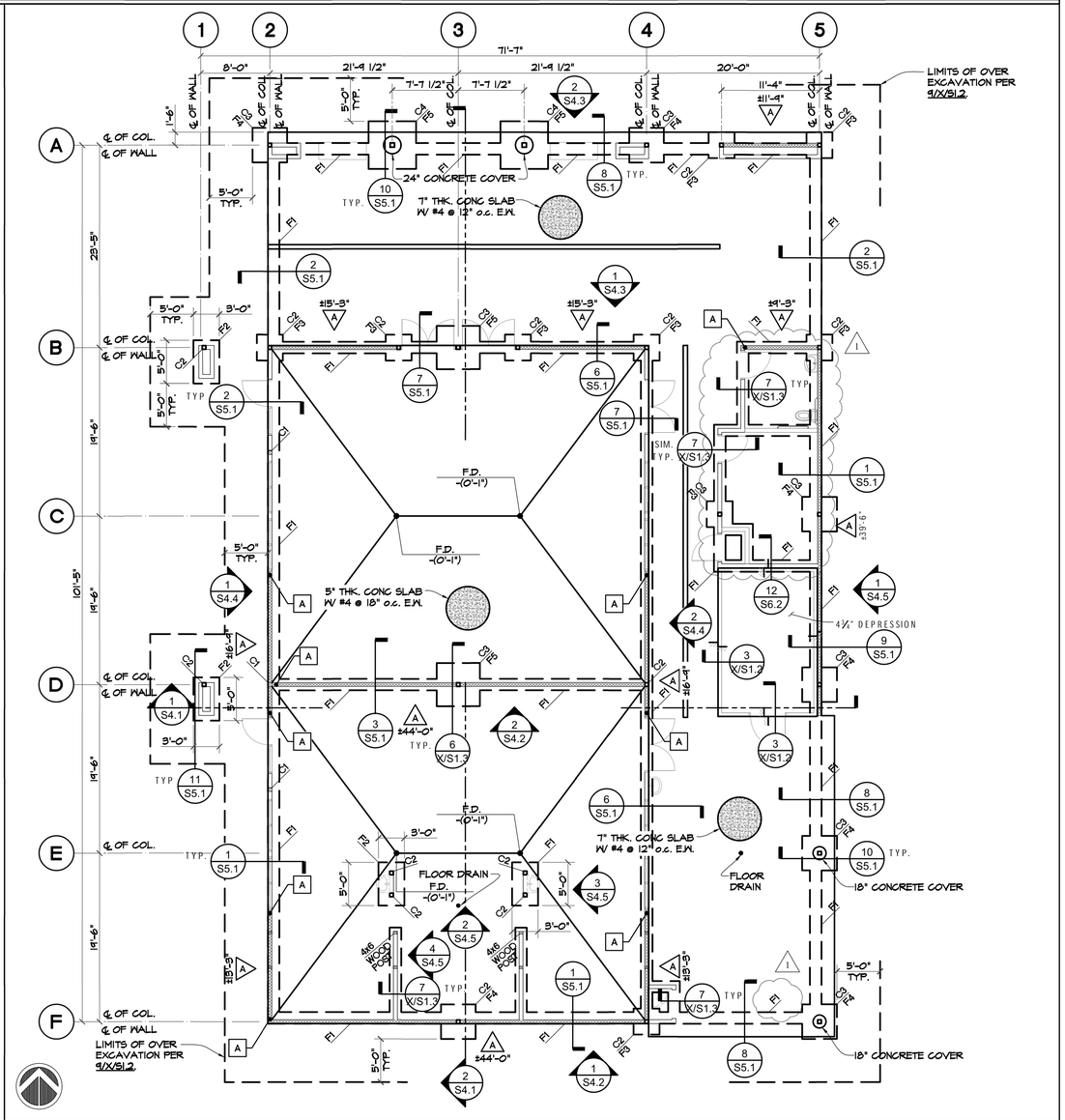
REGISTERED PROFESSIONAL ENGINEER
GAYLORD R RANSOM
NO. S2386
EXPIRES 3-31-21
STRUCTURAL

BROOKS RANSOM ASSOCIATES
STRUCTURAL ENGINEERS
CIVIL ENGINEERS
7410 N. PALM AVE., SUITE 100
FRESNO, CALIFORNIA 93711



11 CURB PLAN

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



5 FOUNDATION PLAN

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

FOUNDATION SCHEDULE		
MARK	FOOTING SIZE	REINFORCEMENT
F1	1'-4" WIDE x 1'-6" DEEP CONT.	(2) #5 @ BOT. & (1) #5 @ TOP
F2	(SEE PLAN) x 1'-6" DEEP FTG.	#5 @ 10" O.C. E.W. TOP & BOT.
F3	3'-0" SQ. x 1'-6" DEEP FTG.	(4) #5 TOP & BOT. & E.W.
F4	4'-0" SQ. x 1'-6" DEEP FTG.	(5) #5 TOP & BOT. & E.W.
F5	5'-6" SQ. x 1'-6" DEEP FTG.	(7) #5 TOP & BOT. & E.W.

COLUMN SCHEDULE		
MARK	COLUMN SIZE	COMMENT
C1	6x6	
C2	HSS5x5x1/4	
C3	HSS5x5x3/8	
C4	HSS6x6x1/2	

12 SCHEDULES

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

NON-BEARING WALL. PROVIDE 2x STUDS @ 16"o.c. SEE ARCHITECTURAL PLANS FOR THICKNESS OF STUDS REQUIRED. SEE TYPICAL DETAIL 5/X/S1.1 FOR TOP OF WALL CONNECTION.

BEARING WALL. ALL BEARING WALLS AND SHEAR WALLS SHALL BE 2x6 STUDS @ 16 "O.C., U.N.O. ON WALL ELEVATIONS. SEE TYPICAL DETAIL 10/X/S1.6 FOR WALL FRAMING AT OPENINGS.

SHEAR WALL. X'-X" INDICATES THE MINIMUM SHEAR WALL LENGTH. IF THE LENGTH IS NOT NOTED, THEN THE LENGTH IS EQUAL TO THE TOTAL WALL LENGTH. SEE TYPICAL DETAIL 4/X/S1.6 AND BEARING WALL NOTE ABOVE.

HD HOLDOWN. HOLDOWNS MAY REQUIRE LARGER FOOTINGS NOT SHOWN. SEE TYPICAL DETAIL 5/X/S1.6.

"XX" AS INDICATED ON PLAN. SEE TYPICAL SCHEDULES AS FOLLOWS:
C# - COLUMN SCHEDULE
W# - WALL SCHEDULE
F# - FOUNDATION SCHEDULE

F.F. +X'-X" FINISHED FLOOR (F.F.) OR TOP OF FRAMING (T.O.F.). +X'-X" IS THE DISTANCE FROM FINISHED FIRST FLOOR, UNLESS NOTED OTHERWISE.

CONCRETE SLAB. PER PLAN SEE TYPICAL DETAIL 2/X/S1.2 AND ARCHITECTURAL DRAWINGS FOR SUB-GRADE AND VAPOR BARRIER INFORMATION.

9 LEGEND

FOR WOOD CONSTRUCTION

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

1. SEE TYPICAL SHEETS FOR ALL GENERAL AND MATERIAL NOTES, AND ALL TYPICAL SCHEDULES AND DETAILS. THE INFORMATION ON THE TYPICAL SHEETS APPLY TO THE PROJECT AND ARE NOT SPECIFICALLY REFERENCED ON PLAN WORK, UNLESS NOTED OTHERWISE. IF TYPICAL DETAILS ARE SPECIFIED ON PLANS OR NOTES, THEY WILL BE REFERENCED WITH THE WORD "TYPICAL" FOLLOWED BY BOLD AND UNDERLINED TEXT STATING THE TITLE OF THE TYPICAL DETAIL OR NOTE.
2. ALL DIMENSIONS SHOWN ARE TO FACE OF EXTERIOR WALLS, CENTER OF COLUMN OR CENTER OF INTERIOR WALLS UNLESS NOTED OTHERWISE. EDGE OF SLAB AT PERIMETER OF BUILDING SHALL BE INDICATED IN SPECIFIC DETAILS AND ARCHITECTURAL. VERIFY ALL BUILDING DIMENSIONS WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS WITH THE DIMENSIONS SHOWN.
3. ALL UNCLEAR AND/OR MISSING DETAILS SHALL BE BROUGHT TO THE STRUCTURAL ENGINEER'S ATTENTION BEFORE PROCEEDING WITH CONSTRUCTION.
4. ALL PAD AND CONTINUOUS FOOTINGS ARE TO BE CENTERED ON WALLS AND COLUMNS ABOVE UNLESS NOTED OTHERWISE.
5. SEE CIVIL AND/OR ARCHITECTURAL SITE PLAN FOR LOCATION AND DIMENSIONS OF SIDEWALKS, MOW STRIPS, PLANTERS AND OTHER LANDSCAPING FEATURES.
6. SEE ARCHITECTURAL AND PLUMBING PLANS FOR LOCATION OF ALL PIPING AND DRAINS. SEE TYPICAL DETAILS FOR STRUCTURAL REQUIREMENTS AT LOCATIONS WHERE PIPES INTERSECT OR ALIGN NEXT TO FOOTINGS AND SLABS.
7. ALL EMBEDDED ITEMS SHALL BE IN PLACE AND SECURED PRIOR TO POURING OF CONCRETE.
8. ALL SILL PLATE ANCHOR BOLTS SHALL BE SIZED, SPACED, PLACED, AND HAVE THE WASHER AND MATERIAL FINISH AS SPECIFIED ON TYPICAL DETAIL 3/X/S1.5.
9. CONTRACTOR SHALL SUBMIT CONTROL JOINT PLAN FOR APPROVAL PRIOR TO POURING SLAB. SEE TYPICAL DETAIL 4/X/S1.2 FOR ADDITIONAL INFORMATION.
10. ALL EXTERIOR WALLS SHALL HAVE 15/32" SHEATHING WITH 10d @ 6" o.c. E.N. AND 10d @ 12" o.c. F.N. UNLESS NOTED OTHERWISE. SEE TYPICAL DETAIL 3/X/S1.5 FOR SHEATHING INFORMATION.
11. ALL TOP OF FOOTINGS SHALL BE 1'-0" BELOW FINISH SLAB, UNLESS NOTED OTHERWISE.
12. ALL ITEMS ARE NEW UNLESS NOTED OTHERWISE.

6 FOUNDATION NOTES

FOR WOOD CONSTRUCTION

SCALE: N/A

REGISTERED PROFESSIONAL ENGINEER GAYLORD R RANSOM No. S2386 EXPIRES 3-31-21 STRUCTURAL

BROOKS RANSOM ASSOCIATES
STRUCTURAL ENGINEERS
CIVIL ENGINEERS
7410 N. PALM AVE., SUITE 100
FRESNO, CALIFORNIA 93711

FILE NO.: 10-H3 APPL. NO.: 02-118543

LICENSED ARCHITECT JUAN M. GONZALEZ No. C-12865 RENEWAL DATE 12/31/2021 STATE OF CALIFORNIA

MARK	DATE	DESCRIPTION
1	1/13/2021	ADDENDUM #2

CTE: FARM AND FOOD PRODUCT FACILITY
CLOVIS EAST HIGH SCHOOL
CLOVIS UNIFIED SCHOOL DISTRICT

GONZALEZ ARCHITECTS
ARCHITECTURE PLANNING
JUAN M. GONZALEZ, A.I.A.
TEL.: 559-497-1542
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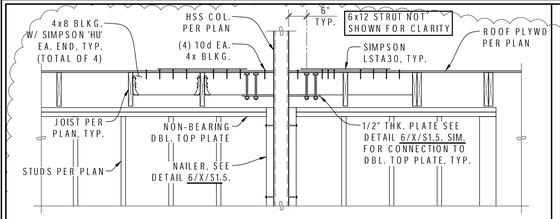
7545 N. DEL MAR AVENUE, SUITE 203
FRESNO CALIFORNIA 93711

PROJECT NO: 1739

DATE: 8/31/2020

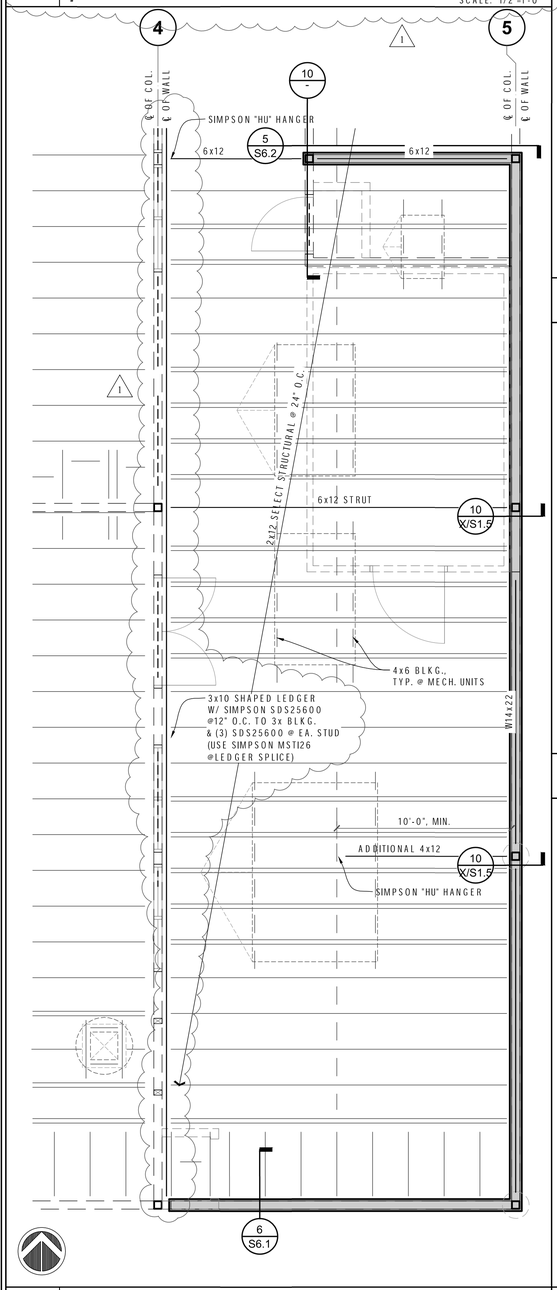
SHEET TITLE:
FOUNDATION PLAN & CURVE PLAN

S2.1



10 DETAIL

SCALE: 1/2"=1'-0"



12 PARTIAL ROOF FRAMING PLAN

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

1. SEE TYPICAL SHEETS FOR ALL GENERAL AND MATERIAL NOTES, AND ALL TYPICAL SCHEDULES AND DETAILS. THE INFORMATION ON THE TYPICAL SHEETS APPLY TO THE PROJECT AND ARE NOT SPECIFICALLY REFERENCED ON PLAN WORK, UNLESS NOTED OTHERWISE. IF TYPICAL DETAILS ARE SPECIFIED ON PLANS OR NOTES, THEY WILL BE REFERENCED WITH THE WORD "TYPICAL" FOLLOWED BY BOLD AND UNDERLINED TEXT STATING THE TITLE OF THE TYPICAL DETAIL OR NOTE.
2. ALL UNCLEAR AND/OR MISSING DETAILS SHALL BE BROUGHT TO THE STRUCTURAL ENGINEER'S ATTENTION BEFORE PROCEEDING WITH CONSTRUCTION.
3. ALL EXTERIOR WALLS AND EXTERIOR SOFFITS SHALL HAVE 15/32" SHEATHING WITH 10d @ 6"O.C. E.N. AND 10d @ 12"O.C. F.N., UNLESS NOTED OTHERWISE. SEE TYPICAL DETAIL 3/X/S1.5 FOR SHEATHING MATERIAL.
4. ALL TOP OF FRAMING ABOVE FINISH SLAB VARIES, SEE PLAN FOR INFORMATION.
5. VERIFY ROOF SLOPE(S) WITH ARCHITECTURAL PLANS.
6. SEE TYPICAL DETAIL 10/X/S1.7 FOR ROOF MOUNTED EQUIPMENT. CONTRACTOR SHALL VERIFY AND COORDINATE WEIGHTS AND LOCATIONS OF ALL ROOF SUPPORTED MECHANICAL AND ELECTRICAL UNITS, AND NOTIFY THE STRUCTURAL ENGINEER OF RECORD IF ANY DISCREPANCIES ARE DETERMINED.
7. AT OPENINGS IN DIAPHRAGM OR WALL SHEATHING SEE TYPICAL DETAIL 9/X/S1.7 FOR INFORMATION, UNLESS NOTED OTHERWISE.
8. TOP PLATE SPLICES SHALL BE NAILED PER THE TYPICAL DETAIL 11/X/S1.6.
9. FOR ALL STEEL TO STEEL CONNECTIONS SEE TYPICAL DETAIL 9/X/S1.4 AND 6/X/S1.4 SCHEDULES.
10. WHERE FRAMING MEMBERS ARE BUILT UP OF MULTIPLE MEMBERS, SEE TYPICAL DETAIL 4/X/S1.7 DETAIL FOR FASTENER INFORMATION.
11. ALL FRAMING SHALL BE TYPE D.F. #1 OR BETTER, UNLESS OTHERWISE NOTED. SEE TYPICAL DETAIL 3/X/S1.5 FOR ADDITIONAL INFORMATION.
12. COORDINATE WITH ARCHITECTURAL IF ADDITIONAL FRAMING BLOCKING IS REQUIRED FOR SUSPENDED CEILING, SOFFITS AND FINISHES.
13. DIAPHRAGM SHEATHING SHALL BE BOUNDARY NAILED TO ALL BLOCKING, BEAM AND RAFTERS THAT ARE IN LINE WITH SHEAR WALLS.
14. WHERE HEADERS ARE NOT SPECIFICALLY NOTED ON PLAN, SEE TYPICAL HEADER SIZE FOR OPENINGS, U.N.O. SCHEDULE ON TYPICAL DETAIL 10/X/S1.6 FOR HEADER INFORMATION.
15. ALL STRUT/COLLECTORS SHALL RECEIVE 2 LINES OF E.N.

7 FRAMING PLAN

FOR WOOD CONSTRUCTION

SCALE: N/A

HANGER SCHEDULE	
MEMBER SIZE	**SIMPSON HANGAER**
2x6	LUS26 or JB26
2-2x6	LUS26-2 OR HUS26-2TF
2x10, 2x12	U210
2-2x10	U210-2
6x	HUC
1¾"x11¾" RedLam LVL	HB

NOTES:

1. USE 10d x 1 1/2" NAILS TYP. U.N.O.
2. USE SKEWED/SLOPED HANGERS AS INDICATED & REQUIRED.
3. HANGERS BASED ON 'SIMPSON' C-C-2019 CATALOG.
4. SEE SECTIONS FOR ALTERNATE HANGER REQUIREMENTS.
5. FILL ALL NAIL HOLES.

8 HANGER SCHEDULE

SCALE: N/A

NON-BEARING WALL BELOW, SEE 5/X/S1.7.

BEARING WALL, SHEAR WALL BELOW, SEE 10/X/S1.6.

PARAPET WALL ABOVE PER PLAN.

HEADER. WHERE "SIZE" IS NOT INDICATED, SEE TYPICAL HEADER SIZE FOR OPENINGS, U.N.O. SCHEDULE ON TYPICAL DETAIL 10/X/S1.6 FOR HEADER INFORMATION.

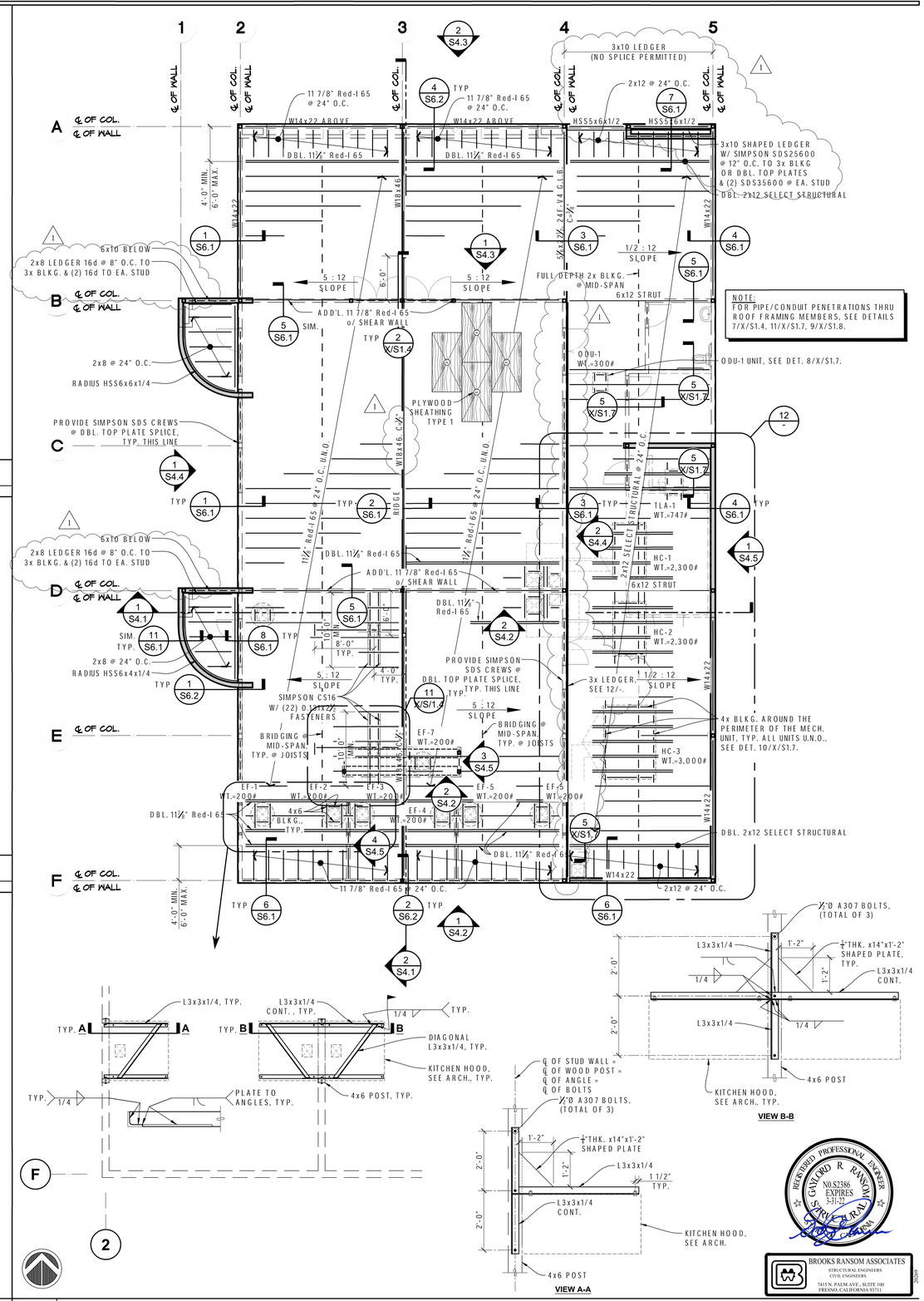
ROOF SHEATHING. PROVIDE 5/8" THICK STRUCT. 1. (UNBLOCKED) SHEATHING WITH 10d NAILS @ 6 : 12, U.N.O. SEE TYPICAL DETAIL 5X/S1.5.

- FIELD
- PANEL EDGE CONTINUOUS PANEL EDGE & BOUNDARY

9 LEGEND

FOR WOOD CONSTRUCTION

SCALE: N/A



NOTE:
FOR PIPE/CONDUIT PENETRATIONS THRU ROOF FRAMING MEMBERS, SEE DETAILS 7/X/S1.4, 11/X/S1.7, 9/X/S1.8.

6 ROOF FRAMING PLAN

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

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FILE NO.: 10-H3 APPL. NO.: 02-118543

LICENSED ARCHITECT
JUAN M. GONZALEZ
No. C-12865
RENEWAL DATE 12/31/2021
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TEL: 559-497-1542 ARCHITECTURE PLANNING
FAX: 559-497-1549 JUAN M. GONZALEZ, A.I.A.

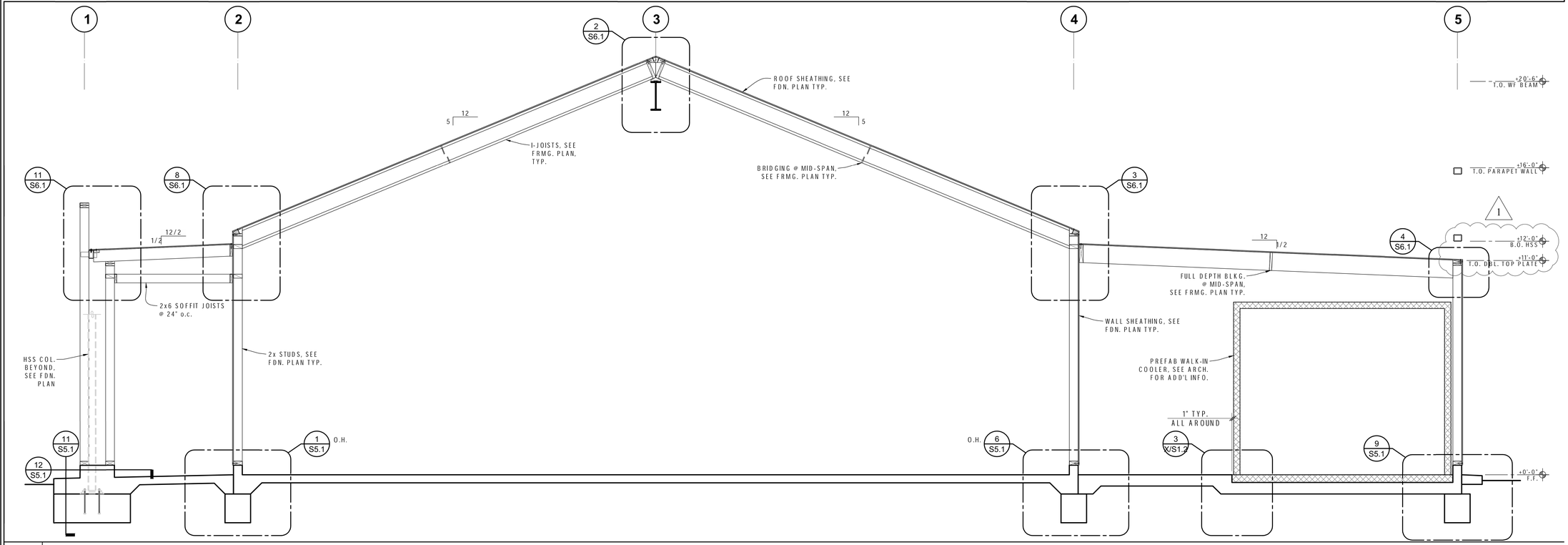
PROJECT NO: 1739

DATE: 8/31/2020

SHEET TITLE:
ROOF FRAMING PLAN

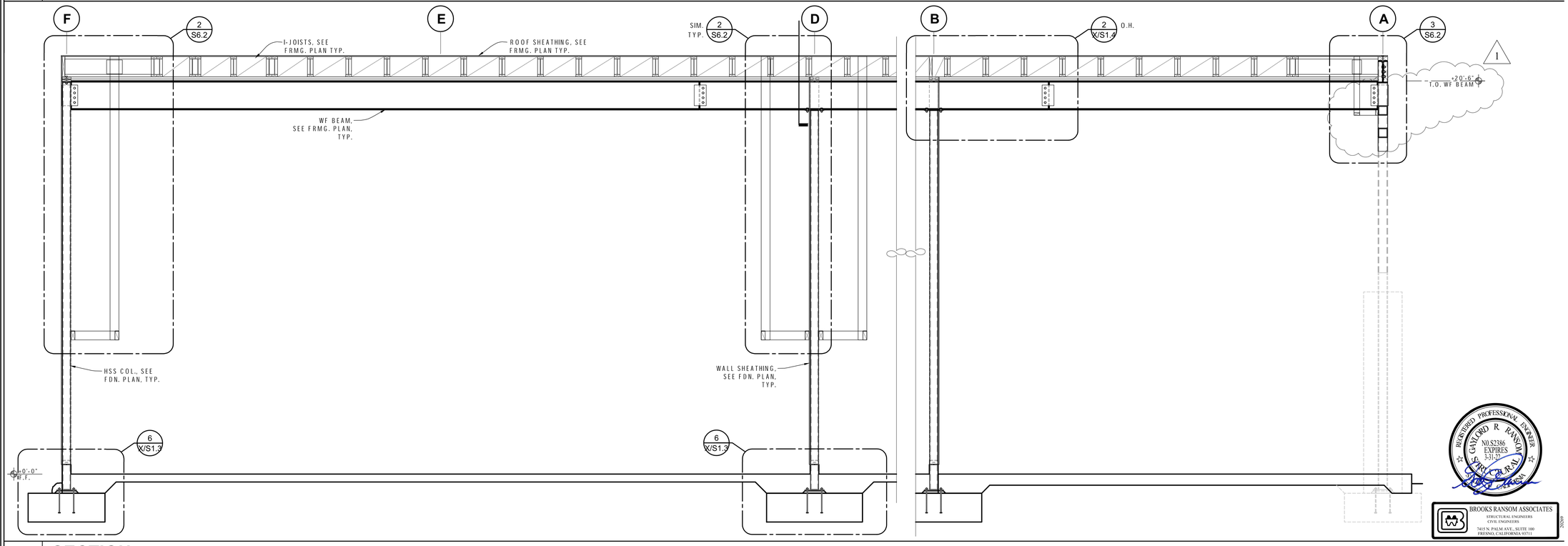
S3.1

REGISTERED PROFESSIONAL ENGINEER
GAYLORD R RANSOM
NO. S2386
EXPIRES 3-31-22
STRUCTURAL
STATE OF CALIFORNIA



1 SECTION

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



2 SECTION

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

MARK	DATE	DESCRIPTION
1	1/13/2021	ADDENDUM #2

FILE NO.: 10-H3 APPL. NO.: 02-118543

LICENSED ARCHITECT
JUAN M. GONZALEZ
No. C-12865
RENEWAL DATE 12/31/2021
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CLOVIS UNIFIED SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER
GAYLORD R RANSOM
NO.S2386
EXPIRES 3-31-21
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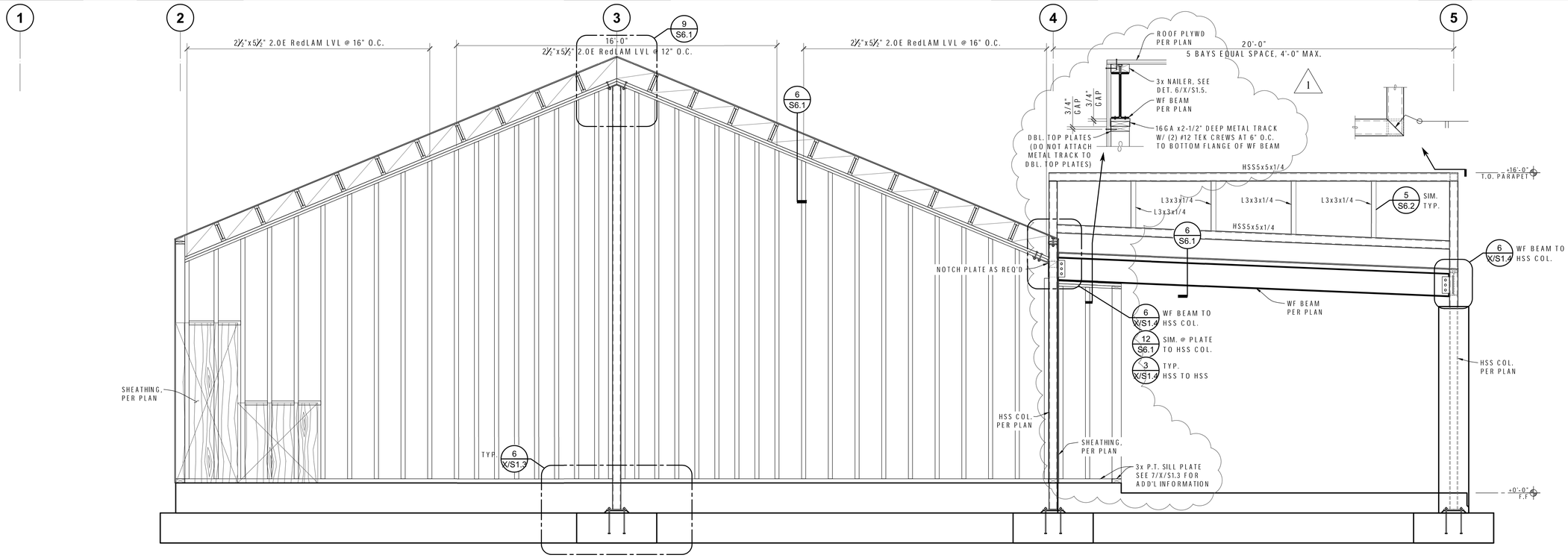
DATE: 8/31/2020

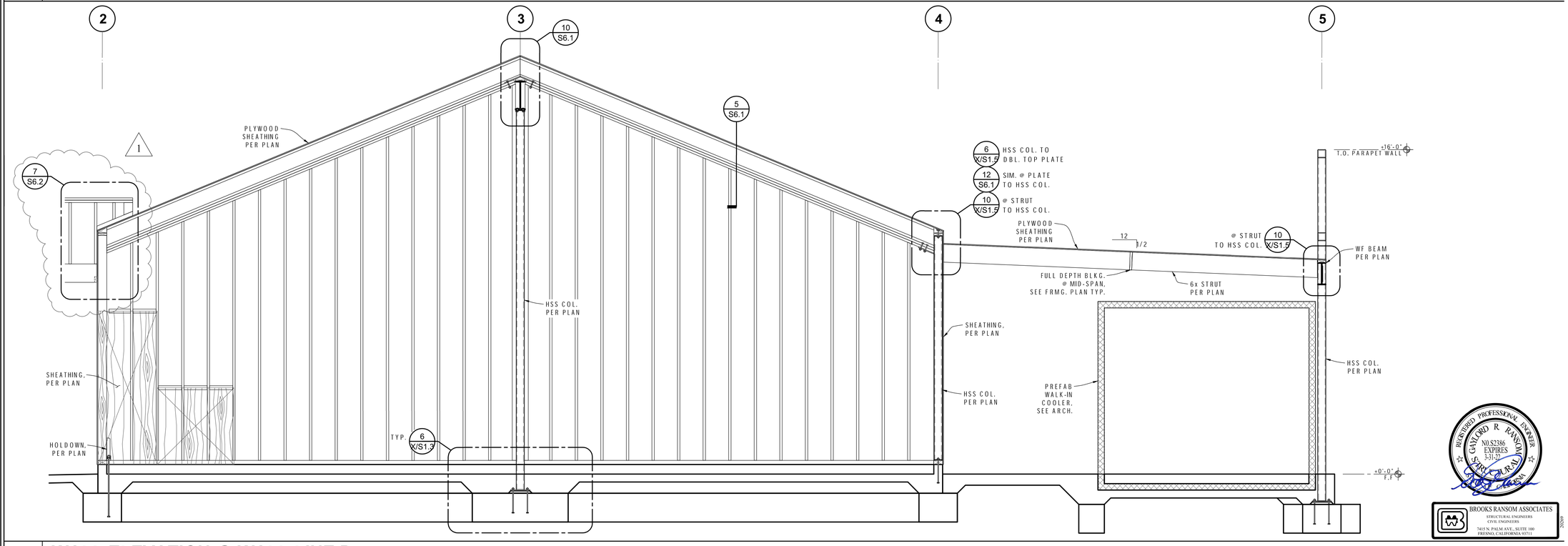
SHEET TITLE:
SECTIONS

S4.1



1 WALL ELEVATION @ WALL LINE F

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



2 WALL ELEVATION @ WALL LINE D

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

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LICENSED ARCHITECT
JUAN M. GONZALEZ
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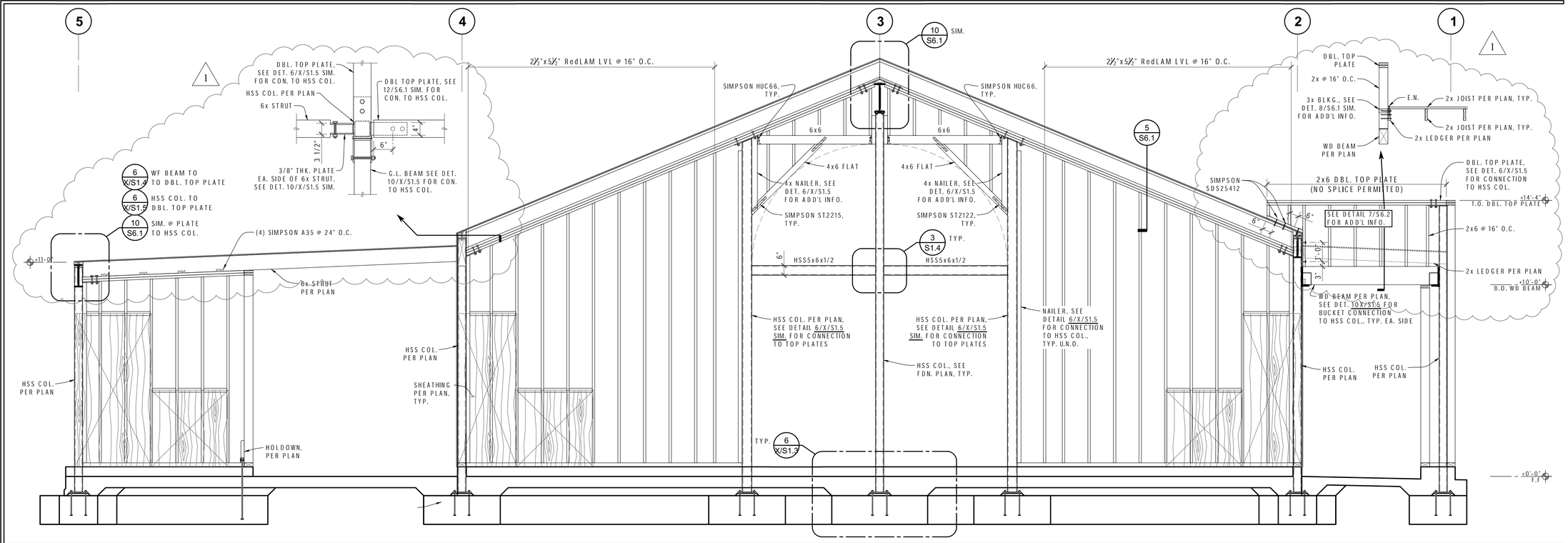
FRESNO, CALIFORNIA 93711

PROJECT NO: 1739

DATE: 8/31/2020

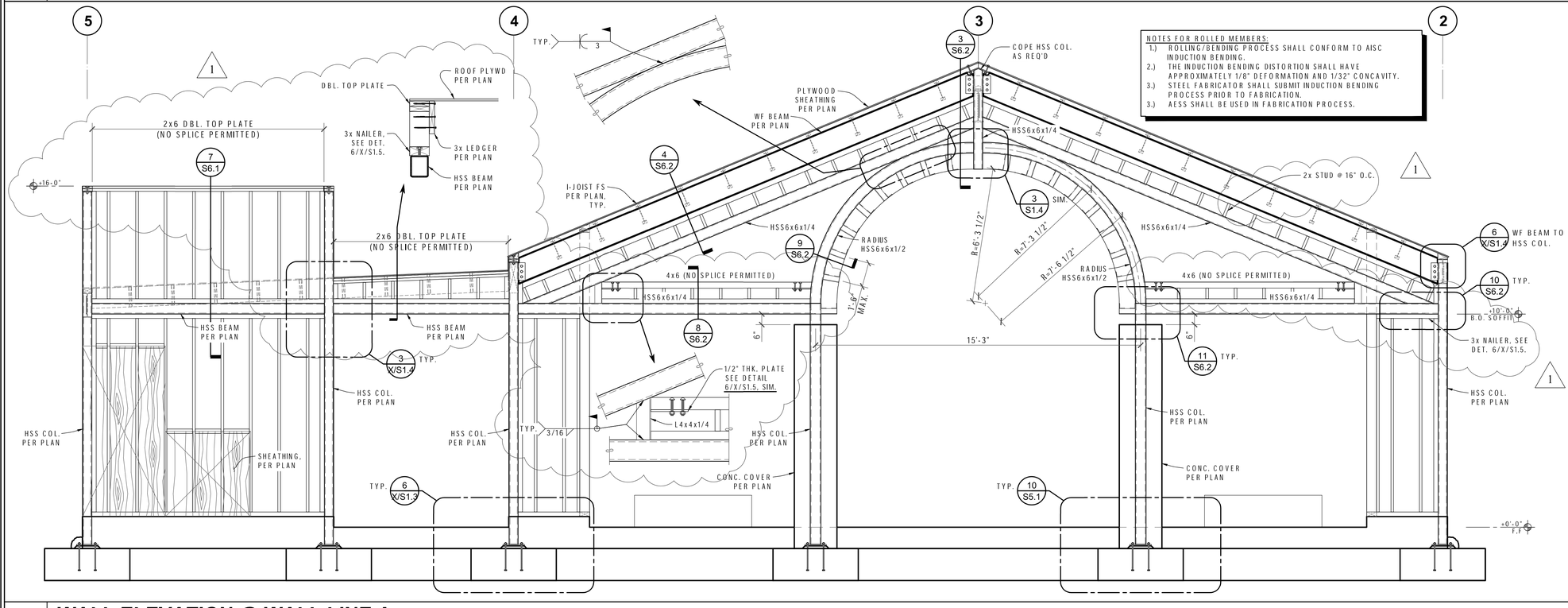
SHEET TITLE:
WALL ELEVATIONS

S4.2



1 WALL ELEVATION @ WALL LINE B

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



NOTES FOR ROLLED MEMBERS:
1.) ROLLING/BENDING PROCESS SHALL CONFORM TO AISC INDUCTION BENDING.
2.) THE INDUCTION BENDING DISTORTION SHALL HAVE APPROXIMATELY 1/8" DEFORMATION AND 1/32" CONCAVITY.
3.) STEEL FABRICATOR SHALL SUBMIT INDUCTION BENDING PROCESS PRIOR TO FABRICATION.
3.) AESS SHALL BE USED IN FABRICATION PROCESS.

2 WALL ELEVATION @ WALL LINE A

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

FILE NO.: 10-H3 APPL. NO.: 02-118543

LICENSED ARCHITECT — JUAN M. GONZALEZ — No. C-12865 — RENEWAL DATE 12/31/2021 — STATE OF CALIFORNIA

MARK	DATE	DESCRIPTION
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GONZALEZ ARCHITECTS
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CTE: FARM AND FOOD PRODUCT FACILITY
CLOVIS EAST HIGH SCHOOL
CLOVIS UNIFIED SCHOOL DISTRICT

REGISTERED PROFESSIONAL ENGINEER — GAYLORD R. RANSOM — NO.S2386 EXPIRES 3-31-22 — STRUCTURAL — STATE OF CALIFORNIA

BROOKS RANSOM ASSOCIATES
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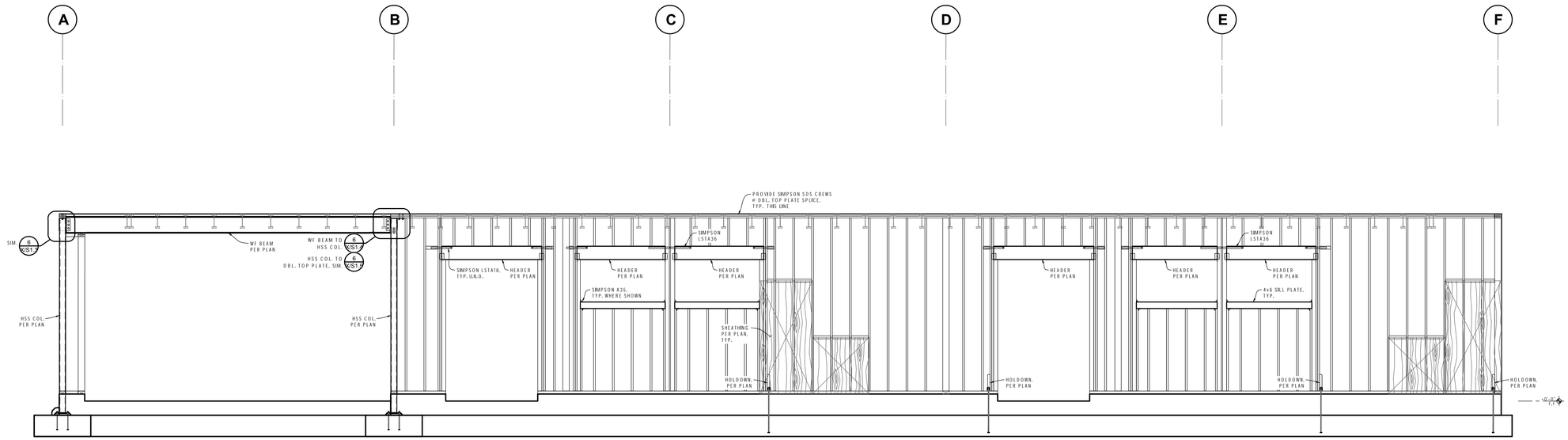
FRESNO, CALIFORNIA 93711

PROJECT NO: 1739
DATE: 8/31/2020

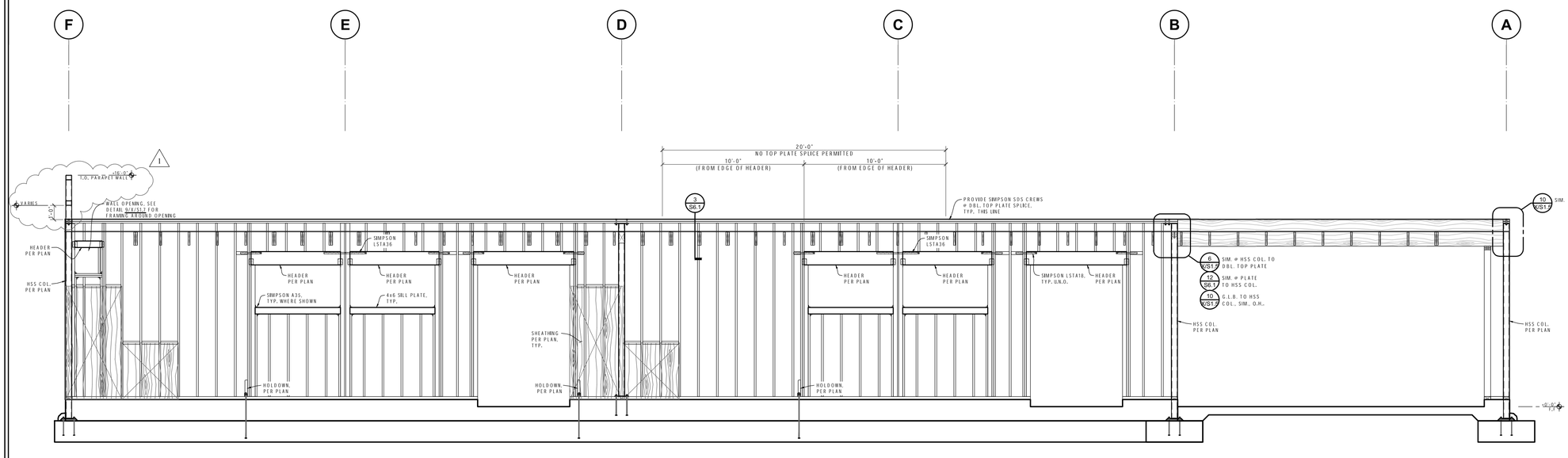
SHEET TITLE:
WALL ELEVATIONS

S4.3



1 WALL ELEVATION @ WALL LINE 2

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



2 WALL ELEVATION @ WALL LINE 4

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

REGISTERED PROFESSIONAL ENGINEER GAYLORD R. RANSOM No. S2386 EXPIRES 3-31-22 STRUCTURAL

BROOKS RANSOM ASSOCIATES
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2020

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GONZALEZ ARCHITECTS
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PROJECT NO: 1739

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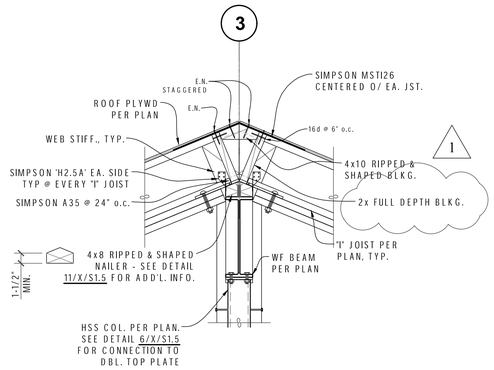
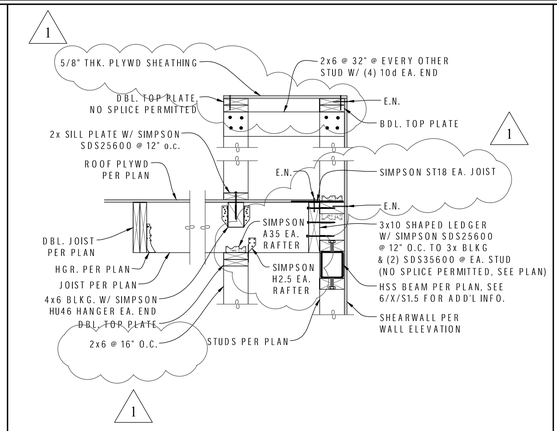
SHEET TITLE:
WALL ELEVATIONS

S4.4



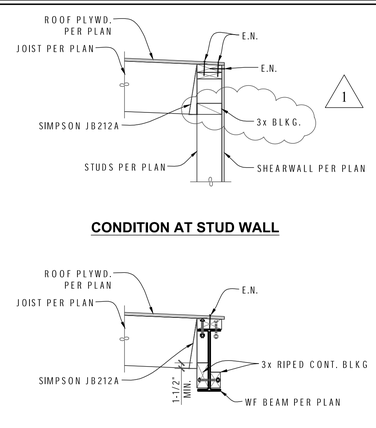
10 DETAIL

SCALE: 1"=1'-0"



7 DETAIL

SCALE: 1"=1'-0"

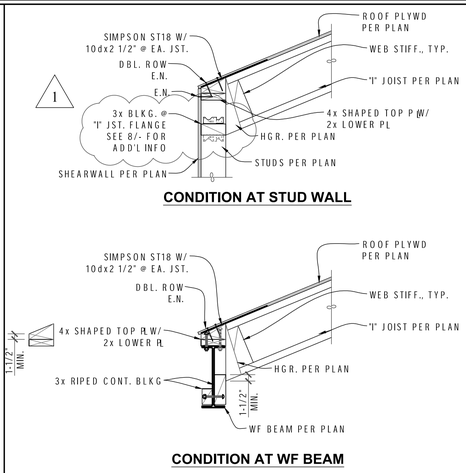


CONDITION AT STUD WALL

CONDITION AT WF BEAM

4 DETAIL

SCALE: 1"=1'-0"

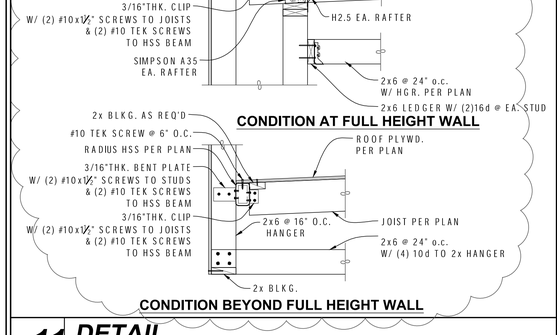


CONDITION AT STUD WALL

CONDITION AT WF BEAM

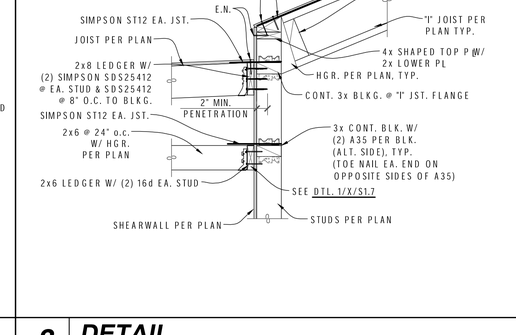
1 DETAIL

SCALE: 1"=1'-0"



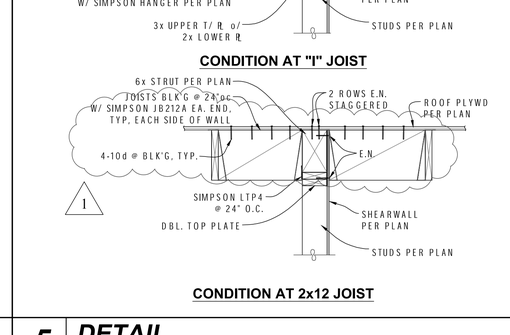
11 DETAIL

SCALE: 1"=1'-0"



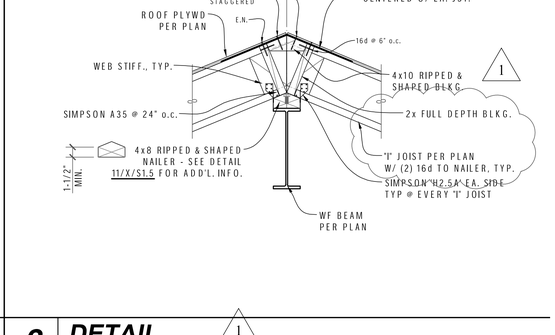
8 DETAIL

SCALE: 1"=1'-0"



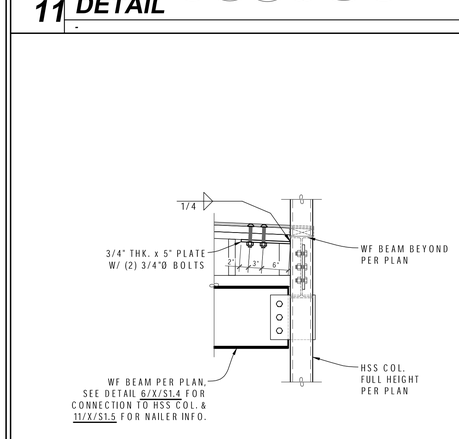
5 DETAIL

SCALE: 1"=1'-0"



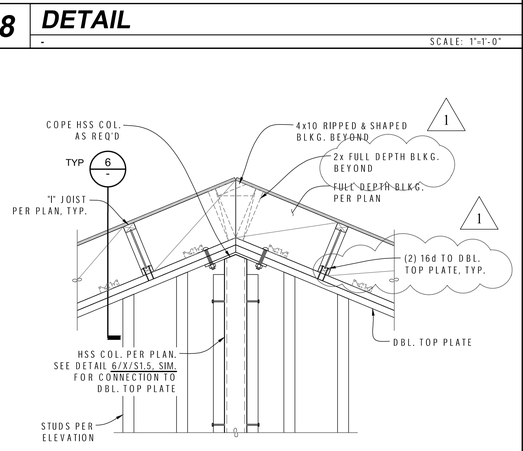
2 DETAIL

SCALE: 1"=1'-0"



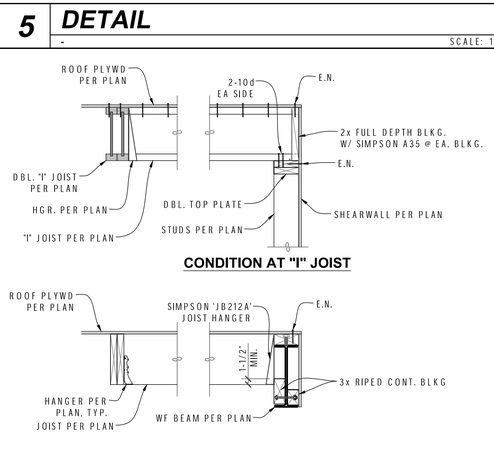
12 DETAIL

SCALE: 1"=1'-0"



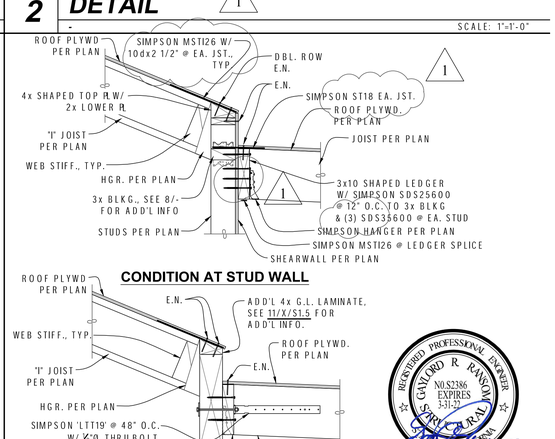
9 DETAIL

SCALE: 1"=1'-0"



6 DETAIL

SCALE: 1"=1'-0"



3 DETAIL

SCALE: 1"=1'-0"

FILE NO.: 10-H3 APPL. NO.: 02-118543

LICENSED ARCHITECT
JUAN M. GONZALEZ
No. C-12865
RENEWAL DATE 12/31/2021
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FRESNO CALIFORNIA 93711 FAX: 559-497-1549 JUAN M. GONZALEZ, A.I.A.

CTE: FARM AND FOOD PRODUCT FACILITY
CLOVIS EAST HIGH SCHOOL
CLOVIS UNIFIED SCHOOL DISTRICT

PROJECT NO: 1739

DATE: 8/31/2020

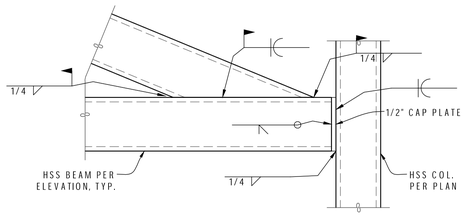
SHEET TITLE:

DETAILS

S6.1

REGISTERED PROFESSIONAL ENGINEER
GAYLORD R RANSOM
NO.S2386
EXPIRES 3-31-22
STRUCTURAL

BROOKS RANSOM ASSOCIATES
STRUCTURAL ENGINEERS
CIVIL ENGINEERS
7415 N. PALM AVE., SUITE 100
FRESNO, CALIFORNIA 93711



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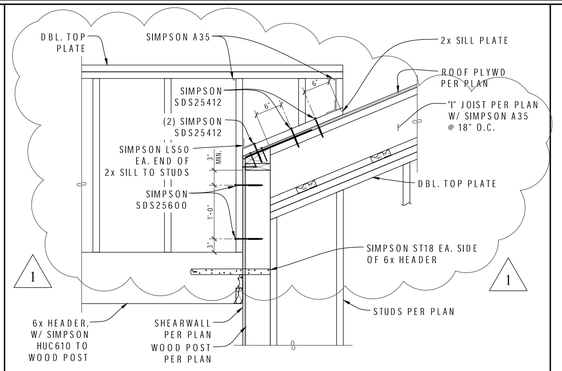

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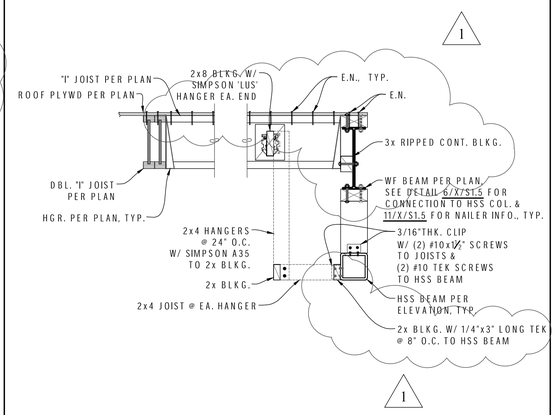

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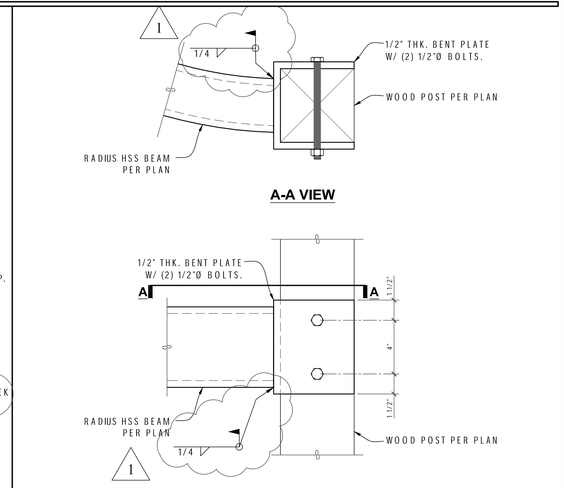

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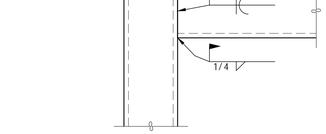

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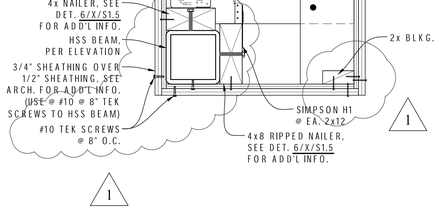

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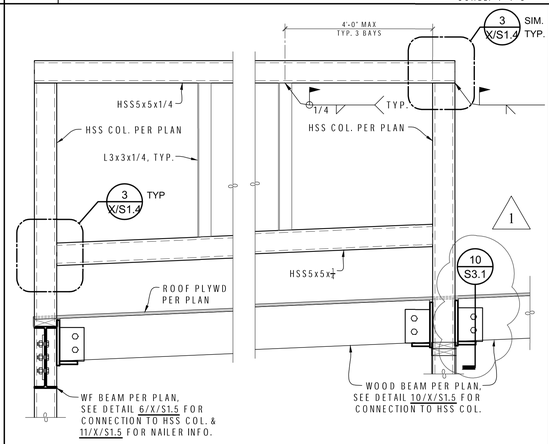

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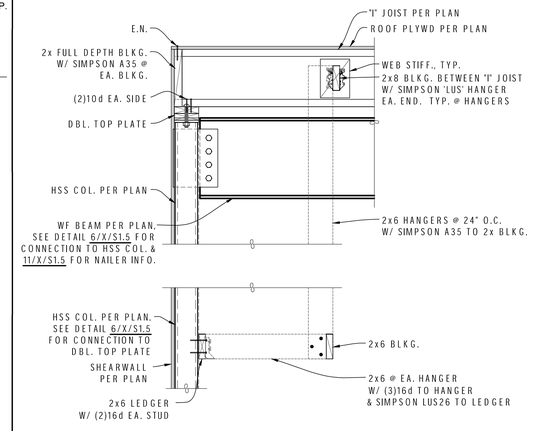

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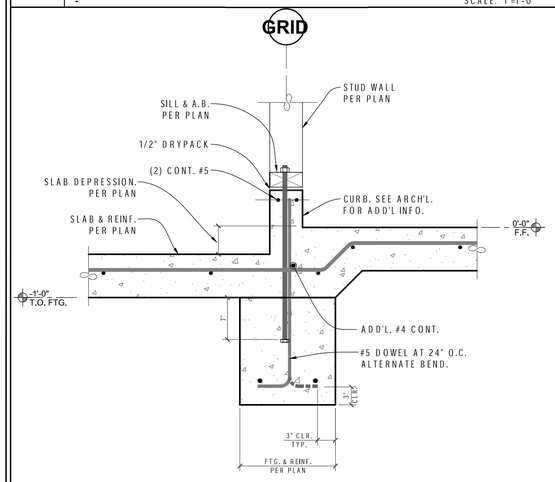

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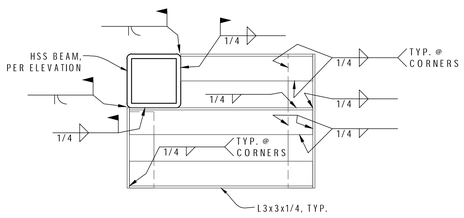

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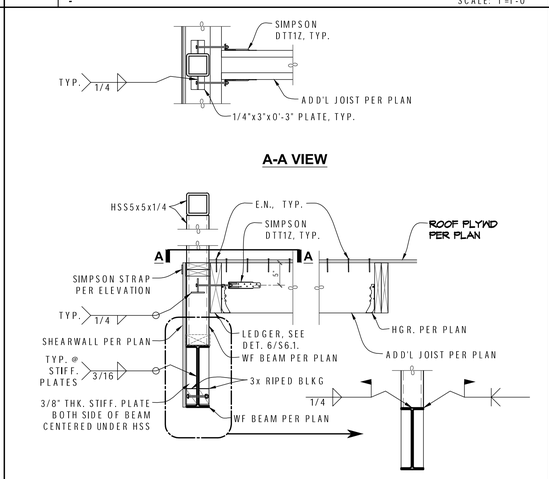

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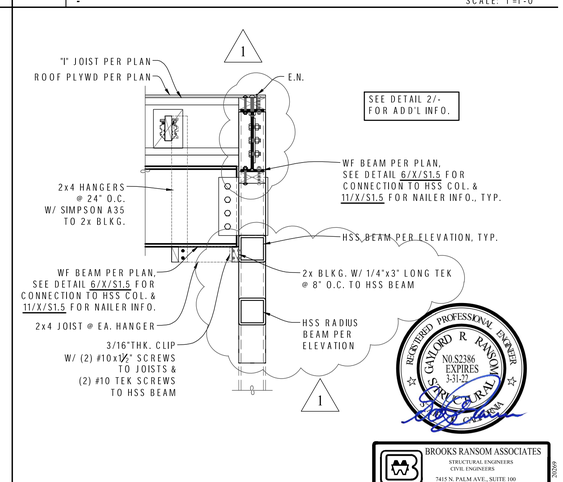

3 DETAIL
- SCALE: 1"=1'-0"

BROOKS RANSOM ASSOCIATES
STRUCTURAL ENGINEERS
CIVIL ENGINEERS
7415 N. PALM AVE., SUITE 100
FRESNO, CALIFORNIA 93711

FILE NO.: 10-H3 APPL. NO.: 02-118543

LICENSED ARCHITECT
JUAN M. GONZALEZ
No. C-12865
RENEWAL DATE 12/31/2021
STATE OF CALIFORNIA

MARK	DATE	DESCRIPTION
1	1/13/2021	ADDENDUM #2

GONZALEZ ARCHITECTS
ARCHITECTURE PLANNING
JUAN M. GONZALEZ, A.I.A.
7545 N. DEL MAR AVENUE, SUITE 203
FRESNO CALIFORNIA 93711
TEL: 559-497-1542
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CTE: FARM AND FOOD PRODUCT FACILITY
CLOVIS EAST HIGH SCHOOL
CLOVIS UNIFIED SCHOOL DISTRICT

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DETAILS

S6.2

HARDIN-DAVIDSON ENGINEERING

356 Pollasky Ave. • Suite 200 • Clovis, CA 93612
559.323.4995 tel • 559.323.4928 fax

Date: January 12, 2021

To: **Gonzalez Architects**
7545 N. Del Mar Ave., Suite 203
Fresno, CA 93711

Re: **CTE: FARM AND FOOD PRODUCT FACILITY**
Clovis East High School
Clovis Unified School District

Addendum 2

Please issue the following items as part of the addendum:

Refer to sheet E1.01

1. Revised symbol description and note for wall clock.

Refer to sheet E5.02

1. Added power and data outlets for wall mounted TV monitor at Floral Lab and Product Develop. Lab.
2. Added wall clock and PA speaker at Floral Lab and Product Develop. Lab.
3. Added exterior PA speakers.
4. Revised Keynote 7.
5. Added Keynotes 27 and 28.

Sincerely,

C. Scott Davidson, P.E.

ELECTRICAL EQUIPMENT ANCHORAGE NOTES

ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16, CHAPTERS 13, 26 AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING ELECTRICAL UTILITY SERVICE.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

ELECTRICAL DISTRIBUTION BRACING NOTES

THE ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10, SECTION 13.3 AS DEFINED IN ASCE 7-16, SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

THE ELECTRICAL DISTRIBUTION SYSTEM IS DETAILED ON THE APPROVED DRAWINGS WITH SPECIFIC NOTES AND DETAILS. WHEN A DETAIL IS NOT PROVIDED ON THE PLANS, THE ELECTRICAL DISTRIBUTION SYSTEM SHALL COMPLY WITH OSHPD PRE-APPROVAL #OPM-0052-13 (B-LINE).

LIGHTING GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE A COMPLETE SYSTEM OF LIGHT FIXTURES AND CONTROLS THAT COMPLY WITH THE REQUIREMENTS OF CALIFORNIA ENERGY COMMISSION TITLE 24.
2. PROVIDE A COMPLETE AND OPERATIONAL CONTROLS PACKAGE IN LIGHTING AREAS. PROVIDE WALL SWITCHES, SENSORS, POWER PACKS, MISCELLANEOUS APPURTENANCES, FACTORY CABLING, AND FACTORY COMMISSIONING.
3. AN EQUAL SUBSTITUTE PACKAGE BY ANOTHER MANUFACTURER MAY BE ACCEPTABLE. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL REQUIRED COMPONENTS, ADDITIONAL WIRING FOR DIMMING OPERATION OF LIGHT FIXTURES, AND ANYTHING ELSE NEEDED FOR A COMPLETE AND OPERATIONAL SYSTEM. SUBMIT SUBSTITUTE PACKAGE, INCLUDING SHOP DRAWINGS, TO ENGINEER FOR REVIEW AND APPROVAL. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN REJECTION OF SUBSTITUTE COMPONENTS.
4. THE PLANS GENERALLY SHOW THE LOCATION OF SWITCHES, SENSORS, CONTROL MODULES ETC. ACTUAL LOCATIONS AND INSTALLATION REQUIREMENTS SHALL BE DETERMINED BY THE MANUFACTURER. SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL.
5. PROVIDE FACTORY COMMISSIONING, TO INCLUDE COMPLETE CONTROL WIRING/ CALIBRATION/ PROGRAMMING OF LIGHTING CONTROL COMPONENTS.
6. LIGHTING SYSTEM ACCEPTANCE TESTING IS REQUIRED AS PER TITLE 24. THE CONTRACTOR SHALL INCLUDE ACCEPTANCE TESTING COSTS IN BID. THE CONTRACTOR IS RESPONSIBLE TO MAKE ANY ADJUSTMENTS NECESSARY TO ACHIEVE ACCEPTANCE.
7. LIGHTING FIXTURE COLORS, WHEN NOT SPECIFIED, SHALL BE SELECTED BY THE ARCHITECT'S OFFICE. DO NOT SUBMIT COLORS THAT HAVE NOT BEEN APPROVED BY THE ARCHITECT.

ELECTRICAL GENERAL NOTES

1. ALL WORK SHALL MEET THE LATEST ADOPTED ADDITIONS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 AND ALL OTHER APPLICABLE REGULATIONS, WHICH INCLUDE:

CALIFORNIA BUILDING CODE	2019
CALIFORNIA ELECTRICAL CODE	2019
NON RESIDENTIAL CEC ENERGY STANDARDS	2019

2. NOTHING IN THE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
3. IT IS THE INTENTION OF THESE PLANS AND SPECIFICATIONS TO COVER EVERYTHING REQUIRED TO PROVIDE FOR COMPLETE AND OPERATIVE SYSTEMS. THE CONTRACTOR IS TO FURNISH LABOR, MATERIAL, TRANSPORTATION, EQUIPMENT, MISCELLANEOUS SERVICES, ETC. REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE REASONABLY CONSTRUED AS A NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER OR NOT SPECIFICALLY SHOWN OR MENTIONED.
4. THE CONTRACTOR SHALL EXAMINE THE SITE AND EXISTING CONDITIONS AND MAKE ALLOWANCES IN THE BID FOR ANY CONDITIONS NOT SHOWN ON THE ELECTRICAL DOCUMENTS.
5. THE PLANS AND SPECIFICATIONS ARE INTENDED TO BE USED AS CONSTRUCTION GUIDELINES AND ARE NOT THE TOTAL INSTRUMENT OF CONTRACT DOCUMENTS. IT IS NOT THE INTENTION OF ANY CONSTRUCTION PLANS TO DIVIDE WORK AMONG DIFFERENT TRADES. VERIFY THE SCOPE OF WORK WITH THE ARCHITECT AND THE GENERAL CONTRACTOR.
6. ELECTRICAL ROUTING IS DIAGRAMMATIC ONLY. ACTUAL ROUTING & PHYSICAL CONDITIONS MAY VARY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL ROUTING, CONNECTIONS, & PROVISION OF ALL APPURTENANCES NECESSARY FOR A COMPLETE & OPERATING SYSTEM.
7. THIS BUILDING IS DESIGNED WITHOUT ATTIC SPACE. ALL WIRING SHALL BE INSTALLED CONCEALED IN CONDUIT FROM LOCAL DEVICES TO THE LOW VOLTAGE BOARD AND IDF. SURFACE MOUNTING OR WIREMOLD IS NOT PERMITTED.
8. ELECTRICAL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED (UL, CSA ETC.) PER CEC 110.2.
9. PROVIDE LABELING AND DIRECTORIES FOR ALL SWITCHBOARDS AND PANELBOARDS PER CEC 408.4.
10. ELECTRICAL EQUIPMENT SHALL HAVE A SHORT CIRCUIT CURRENT RATING CAPABLE OF WITHSTANDING THE AVAILABLE SHORT CIRCUIT CURRENT PER CEC 110.9.
11. PROVIDE MINIMUM 30" WIDE x 78" HIGH x 36" DEEP [42" DEEP] WORK CLEARANCES IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT 120/208V 3Ø 4W [277/480V 3Ø 4W] PER CEC 110.26.
12. ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUIT OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE MOUNTED BETWEEN 15" AFF AND 48" AFF AND SHALL COMPLY WITH CBC SECTION 11B-308. THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. IF THE REACH IS OBSTRUCTED (E.G. BY CASEWORK, COUNTERS, ETC.), RECEPTACLES SHALL BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN CBC 11B-308.2.2 AND 11B-308.3.2.
13. CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING AND VENTILATING EQUIPMENT SHALL BE MOUNTED BETWEEN 15" AFF AND 48" AFF AND SHALL COMPLY WITH CBC SECTION 11B-308. THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. IF THE REACH IS OBSTRUCTED (E.G. BY CASEWORK, COUNTERS, ETC.), SWITCHES AND CONTROLS SHALL BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN CBC 11B-308.2.2 AND 11B-308.3.2.
14. ALL WALL AND SURFACE MOUNTED FIXTURES PROTRUDING IN THE PATH OF TRAVEL (POT) OR COMMON PEDESTRIAN WAYS SHALL COMPLY WITH CBC 11B-307.2, OR SHALL BE MOUNTED LESS THAN 27" AFF OR GREATER THAN 80" AFF, OR SHALL BE PROVIDED WITH A BARRIER CONFORMING TO CBC 11B-307.4.
15. EMERGENCY EGRESS LIGHTING SHALL PROVIDE A MINIMUM LUMINANCE OF 1 FOOTCANDLE AT THE WALKING SURFACE FOR A MINIMUM OF 90 MINUTES.
16. FIRE ALARM EQUIPMENT SHALL BE SERVED BY DEDICATED FIRE ALARM BRANCH CIRCUITS PER NFPA 72 10.6.5.1.2. THE CIRCUIT NUMBER SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM EQUIPMENT PER NFPA 10.6.5.2.1. THE CIRCUIT BREAKER SHALL BE EQUIPPED WITH RED HANDLE AND LOCK-ON DEVICE, AND PERMANENTLY IDENTIFIED AS "FIRE ALARM CIRCUIT" PER NFPA 72 10.6.5.2.2, 10.6.5.2.3, 10.6.5.2.4, AND 10.6.5.4.
17. WIRING FOR 120/208V AND 277/480V SYSTEMS SHALL BE MIN. #12 AWG THHN/THWN-2 COPPER.
18. FEEDERS SIZE #4 AND LARGER SHALL BE MEGGER TESTED. TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER.
19. COLORS/FINISHES/MATERIALS FOR ALL ELECTRICAL DEVICES, PLATES, LIGHT FIXTURES, ETC. SHALL BE CHOSEN BY THE ARCHITECT.
20. CONTRACTOR SHALL EXTEND ALL SIGNAL AND FIRE ALARM SYSTEMS AS REQUIRED. MODIFY HEAD-IN EQUIPMENT TO ACCOMMODATE NEW DEVICES AS REQUIRED. VERIFY THE CONDITION AND EXPANDABILITY OF ALL HEAD-IN EQUIPMENT PRIOR TO BID AND MODIFY ACCORDINGLY.
21. CALL USA UNDERGROUND ALERT AND VERIFY WITH DISTRICT THE DESIRED ROUTING AND LOCATIONS OF UNDERGROUND CONDUITS AND STRUCTURES PRIOR TO TRENCHING.
22. EXISTING EQUIPMENT TO BE REMOVED AND/OR REPLACED SHALL BE DELIVERED TO THE DISTRICT MAINTENANCE DEPARTMENT OR DISPOSED OF, AT THE DISCRETION OF THE DISTRICT.
23. ALL CONDUITS UNDER CONCRETE OR ASPHALT WILL HAVE 24" MINIMUM COVER OF ROCK FREE NATIVE SOIL, METALLIC WARNING TAPE AT 12", AND NO ENCASEMENT REQUIRED. ALL CONDUITS THAT HAVE CONDUCTORS WITH A POTENTIAL OF 250 VOLT TO GROUND OR GREATER, THAT ARE NOT UNDER ASPHALT AND/OR CONCRETE SHALL REQUIRE 1,500 PSI CONCRETE ENCASEMENT, METALLIC WARNING TAPE AT 12", AND A MINIMUM COVER FROM TOP OF ENCASEMENT OF 24". ALL CONDUITS THAT HAVE CONDUCTORS WITH A POTENTIAL OF LESS THAN 250 VOLTS TO GROUND, THAT ARE NOT UNDER ASPHALT AND/OR CONCRETE WILL HAVE 30" MINIMUM COVER OF NATIVE SOIL, METALLIC WARNING TAPE AT 12" AND NO ENCASEMENT REQUIRED.
24. INSTALL GALVANIZED RIGID STEEL RISERS & ELBOWS WHERE THEY OCCUR. WRAP GALVANIZED RIGID STEEL BELOW GRADE. PVC SHALL NOT BE INSTALLED ABOVE GRADE.
25. CONDUIT INSTALLED ABOVE GRADE SHALL BE MIN. 3/4" TRADE SIZE. CONDUIT BELOW GRADE SHALL BE MIN. 1" TRADE SIZE.
26. CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL HAVE A RED HANDLE AND LOCK-ON DEVICE.
27. HOLES ARE NOT ALLOWED THROUGH TOP PLATES OF BEARING WALLS AND SHEAR WALLS.
28. INCLUDE FIRE STOP SYSTEMS REQUIRED FOR ALL WORK AFFECTED BY FIRE RATED ASSEMBLIES.
29. INCLUDE ALL WORK REQUIRED TO INVESTIGATE, DEMOLISH, & RECONNECT EXISTING ITEMS.
30. ALL LOW VOLTAGE EQUIPMENT SHALL BE DEENERGIZED PRIOR TO DEMO WORK. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO LIVE EQUIPMENT.

ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION	NOTES
LIGHTING		
	POLE WITH POST TOP AREA LUMINAIRE	
	LAY-IN LIGHT FIXTURE	
	SURFACE CEILING LIGHT	
	RECESSED DOWN LIGHT	
	WALL LIGHT	
	EXIT SIGN, CEILING	ARROWS INDICATE CHEVRON DIRECTIONS
	EXIT SIGN, WALL	ARROWS INDICATE CHEVRON DIRECTIONS
(A)	FIXTURE TYPE "A"	REFER TO FIXTURE SCHEDULE
	FIXTURE W/ BATTERY BACKUP BALLAST	PROVIDE UNSWITCHED HOT CONDUCTOR
B	REMOTE EMERGENCY BATTERY PACK	FURNISHED BY FIXTURE MFG'R
INV	INVERTER	SEE PLANS FOR REQUIREMENTS
$	SWITCH AT +48" AFF TO TOP OF BOX	20A 277V QUIET TOGGLE
	WALL MOUNTED DUAL TECH OCCUPANCY SENSOR SWITCH, 0-10V DIMMING, AT +48" AFF TO TOP OF BOX	ROUGH IN WITH 1G BOX PER SWITCH W/ RING, 1"C. TO ACCESSIBLE ATTIC SPACE
ULT	WALL MOUNTED ULTRASONIC OCCUPANCY SENSOR SWITCH, W/ SEPARATE EXHAUST FAN RELAY, AT +48" AFF TO TOP OF BOX	ROUGH IN WITH 1G BOX PER SWITCH W/ RING, 1"C. TO ACCESSIBLE ATTIC SPACE
	DIGITAL WIRELESS WIRELESS ON/OFF SWITCH, AT +48" AFF TO TOP OF BOX. nLIGHT AIR.	CONSTANT 120-277V LIGHTING CIRCUIT.
	DIGITAL WIRELESS DIMMING 0-10V SWITCH, AT +48" AFF TO TOP OF BOX. nLIGHT AIR.	CONSTANT 120-277V LIGHTING CIRCUIT.
OS	DIGITAL WIRELESS OCCUPANCY SENSOR/ PHOTO SENSOR, CEILING MOUNTED. nLIGHT AIR. REQUIRES 24VDC PACK.	
WOS	DIGITAL WIRELESS OCCUPANCY SENSOR/ PHOTO SENSOR, WALL MOUNTED. nLIGHT AIR. REQUIRES 24VDC PACK.	
E	EMERGENCY UL924 SHUNT RELAY	MOUNT RELAY IN ACCESSIBLE ATTIC SPACE OR INCONSPICUOUS, HIGH ON WALL, WHEN NO CEILING
PP	DIGITAL WIRELESS DIMMING POWER PACK, 0-10V nLIGHT AIR.	MOUNT PACK TO J-BOX IN ACCESSIBLE ATTIC SPACE OR INCONSPICUOUS, HIGH ON WALL, WHEN NO CEILING
PPE	DIGITAL WIRELESS DIMMING POWER PACK W/ EMERGENCY CONTROL RELAY. nLIGHT AIR.	MOUNT PACK TO J-BOX IN ACCESSIBLE ATTIC SPACE OR INCONSPICUOUS, HIGH ON WALL, WHEN NO CEILING
RR	DIGITAL WIRELESS RECEPTACLE CONTROL RELAY nLIGHT AIR.	MOUNT PACK TO J-BOX IN ACCESSIBLE ATTIC SPACE OR INCONSPICUOUS, HIGH ON WALL, WHEN NO CEILING
G	DIGITAL GATEWAY nLIGHT AIR.	PROVIDE CAT6, PoE ENABLED DATA CONNECTION
W	DIGITAL WIRELESS BRIDGE nLIGHT AIR.	PROVIDE CAT6, PoE ENABLED DATA CONNECTION
TS	DIGITAL TOUCHSCREEN nLIGHT AIR.	PROVIDE CAT6, PoE ENABLED DATA CONNECTION
	PRIMARY DAYLIGHT ZONE BOUNDARY	
	SECONDARY DAYLIGHT ZONE BOUNDARY	
DATACOM		
	TERMINAL CABINET	
	DATA OUTLET (RJ-45 CAT6) WITH 2 JACKS AT +18" AFF, U.O.N. QTY. OF JACKS NOTED WHEN NOT 2	4-11/16 SQ. BOX, 1G RING, MODULAR PLATE, & 1"C. TO LOW VOLTAGE BOARD. PULL CABLING TO RESPECTIVE PATCH PANEL AND TERMINATE JACKS AT EACH END. REFER TO SPECIFICATIONS.
	(2) WAP DATA JACKS (RJ-45 CAT6A) YELLOW JACKS & CABLE	SIMILAR TO DATA OUTLET. FLUSH MOUNT OUTLET IN CEILING.
	WALL MOUNT VoIP OUTLET (RJ-45 CAT6) AT +45° AFF, U.O.N. WHITE JACKS & CABLE	4-11/16 SQ. BOX, 1G RING, MODULAR PLATE, & 1 1/2"C. TO LOW VOLTAGE BOARD. PULL CABLING TO RESPECTIVE PATCH PANEL AND TERMINATE JACKS AT EACH END. REFER TO SPECIFICATIONS.
TEL	"TEL. SYSTEM TERMINAL BLOCK"	
MDF/MC	"MAIN DISTRIBUTION FRAME"/ "MAIN CROSS-CONNECT"	
IDF/HC	"INTERMEDIATE DISTRIBUTION FRAME"/ "HORIZONTAL CROSS-CONNECT"	
PA/CLK		
S	PUBLIC ADDRESS SPEAKER, CEILING	REFER TO SPECIFICATIONS
S	PUBLIC ADDRESS SPEAKER, WALL	REFER TO SPECIFICATIONS
SWP	WP OUTDOOR PUBLIC ADDRESS SPEAKER	REFER TO SPECIFICATIONS
S	PUBLIC ADDRESS SPEAKER & CLOCK COMBINATION, WALL MOUNTED	REFER TO SPECIFICATIONS
	SAPLING WIRELESS WALL CLOCK, MATCH EXISTING SYSTEM	SAPLING #SAL-4BS-12R-0
PA	"P.A. SYSTEM TERMINAL BLOCK"	
MISC.		
	FIRE/SMOKE DAMPER	PROVIDE 120V F.A. CIRCUIT TO DAMPER VIA DEDICATED F.A. RELAY
	WIREMOLD 5400 SURFACE WIREWAY	RISERS WHERE INDICATED ON DRAWINGS

SYMBOL	DESCRIPTION	NOTES
POWER		
	SWITCHBOARD	REFER TO POWER SINGLE LINE DIAGRAM
	POWER PANEL	REFER TO PANEL SCHEDULE
J	JUNCTION BOX	4-11/16" SQUARE BOX & COVER PLATE MIN.
D	DISCONNECT SWITCH, FUSIBLE	REFER TO MECH. PLANS & SPECS.
C	COMBINATION STARTER/DISCONNECT SWITCH	REFER TO MECH. PLANS & SPECS.
M	MOTOR	REFER TO MECH. PLANS & SPECS.
EF	EXHAUST FAN, CEILING MOUNTED	REFER TO MECH. PLANS & SPECS.
	SINGLE CONVENIENCE OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT
	DUPLEX CONVENIENCE OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #TDR20-W
	QUADPLEX CONVENIENCE OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #TDR20-W
	GFI DUPLEX OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #X7899-W OR GFI CIRCUIT BREAKER WITH #TDR20-W RECEPTACLE. SEE PANEL SCHEDULE.
	WEATHERPROOF, GFI DUPLEX OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N. W/ WEATHERPROOF IN-USE TYPE COVER	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #X7899-W
USB USB	OUTLETS WITH INTEGRATED USB PORTS	PASS & SEYMOUR TM826USB*CC6 3.1A USB POWER SUPPLY
	DUPLEX CONVENIENCE OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N. SPLIT-WIRED WITH UNSWITCHED AND SWITCHED BY OCCUPANCY SENSOR	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #TDR20-S1W CODE COMPLIANT MARKING REQUIRED
	QUADPLEX CONVENIENCE OUTLET, CONTROLLED AT +15" AFF TO BOTTOM OF BOX, U.O.N. ONE UNSWITCHED AND ONE SWITCHED BY OCCUPANCY SENSOR	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #TDR20-W AND LEVITON #TDR20-S2W CODE COMPLIANT MARKING REQUIRED
	SPECIAL EQUIPMENT OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N.	VERIFY REQ'TS W/ EQUIPMENT VENDOR TAMPER RESISTANT
	POWER POLE, 2-COMPARTMENT	
	FLOOR BOX	4-GANG BOX WITH CAST ALUMINUM TRIM PLATES
CR DO 120V/1ø	CORD REEL: DUPLEX OUTLET (DO), QUAD OUTLET (QO), DROP LIGHT (DL)	CONDUCTIX 1400 SERIES W/ 50 FEET CORD RATED FOR 20A AT 120V W/ NEMA 5-20R OUTLET. (MAX OPERATING WEIGHT 50 LBS)
CR DO 208V/1ø	CORD REEL: DUPLEX OUTLET (DO)	CONDUCTIX 1900 SERIES W/ 50 FEET CORD RATED FOR 30A AT 208V W/ NEMA 14-30R OUTLET. (MAX OPERATING WEIGHT 50 LBS)
	COPPER GROUND BUS BAR	3/4"C. WITH #6 GREEN GROUND WIRE TO G.E.C.
GENERAL		
	DEVICES TO BE REMOVED	
	EXISTING CONDUIT/WIRING TO BE DEMOLISHED	
	EXISTING DEVICES	
	EXISTING CONDUIT/WIRING	
	WIRING IN CONDUIT, BELOW GRADE	3/4" CONDUIT MIN.; PVC SCH 40
	WIRING IN CONDUIT, IN WALL OR CEILING	3/4" CONDUIT MIN.; EMT CONCEALED AND ABV. 96" EXPOSED; GRS BELOW 96" EXPOSED
LV	LOW VOLTAGE WIRING IN ATTIC SPACE	TYPE PER EQUIPMENT MANUFACTURER
	CONDUIT RISER	3/4" CONDUIT MIN.
	FLEXIBLE CONDUIT	3/4" CONDUIT MIN.
	CONDUIT STUB AND CAP	3/4" CONDUIT MIN.
	CROSS HATCHES INDICATE NUMBER OF #12 AWG. CONDUCTORS IN CONDUIT, WHEN MORE THAN TWO. WIRE SIZE INDICATED ON PLANS WHEN OTHER THAN #12 AWG. PROVIDE GROUND PER CEC 250. PROVIDE DEDICATED NEUTRAL FOR EACH CIRCUIT.	3/4" CONDUIT MIN.
	CURVED CROSS HATCHES INDICATE #14 AWG PURPLE & GRAY CONDUCTORS FOR DIMMING CONTROL.	3/4" CONDUIT MIN.
A–15	HOME RUN (TO PANEL "A", CIRCUIT "15")	3/4" CONDUIT MIN.
(E)	"EXISTING"	
U.O.N.	"UNLESS OTHERWISE NOTED"	
WP	"WEATHERPROOF" / NEMA 3R	
GFI	"GROUND FAULT INTERRUPTER"	

FILE NO.: 10-H3 APPL. NO.: 02-118543

LICENSED ARCHITECT
JUAN M. GONZALEZ
No. C-12865
RENEWAL DATE 12/31/2021
STATE OF CALIFORNIA

MARK	DATE	DESCRIPTION

CTE: FARM AND FOOD PRODUCT FACILITY
CLOVIS EAST HIGH SCHOOL
CLOVIS UNIFIED SCHOOL DISTRICT

GONZALEZ ARCHITECTS
ARCHITECTURE PLANNING
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JUAN M. GONZALEZ, A.I.A.
7545 N. DEL MAR AVENUE, SUITE 203
FRESNO CALIFORNIA 93711

PROJECT NO: 1739

DATE: 9/2/2020

SHEET TITLE:
ELECTRICAL SYMBOLS AND NOTES

E1.01

REGISTERED PROFESSIONAL ENGINEER
C. SCOTT DAVIDSON
E17850
ELECTRICAL
STATE OF CALIFORNIA

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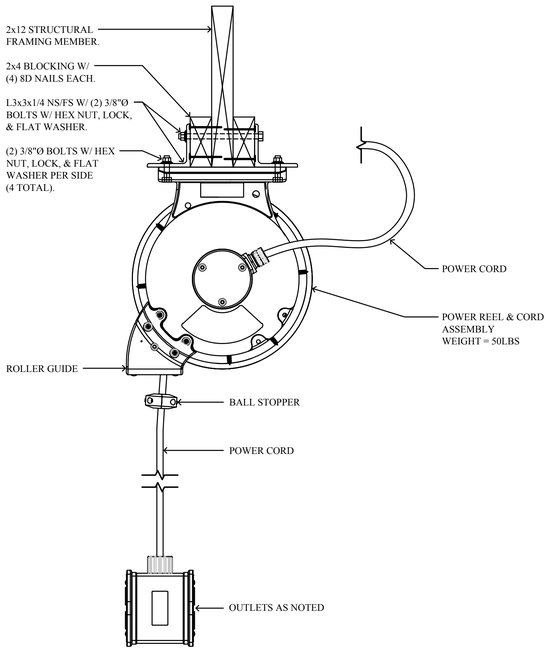
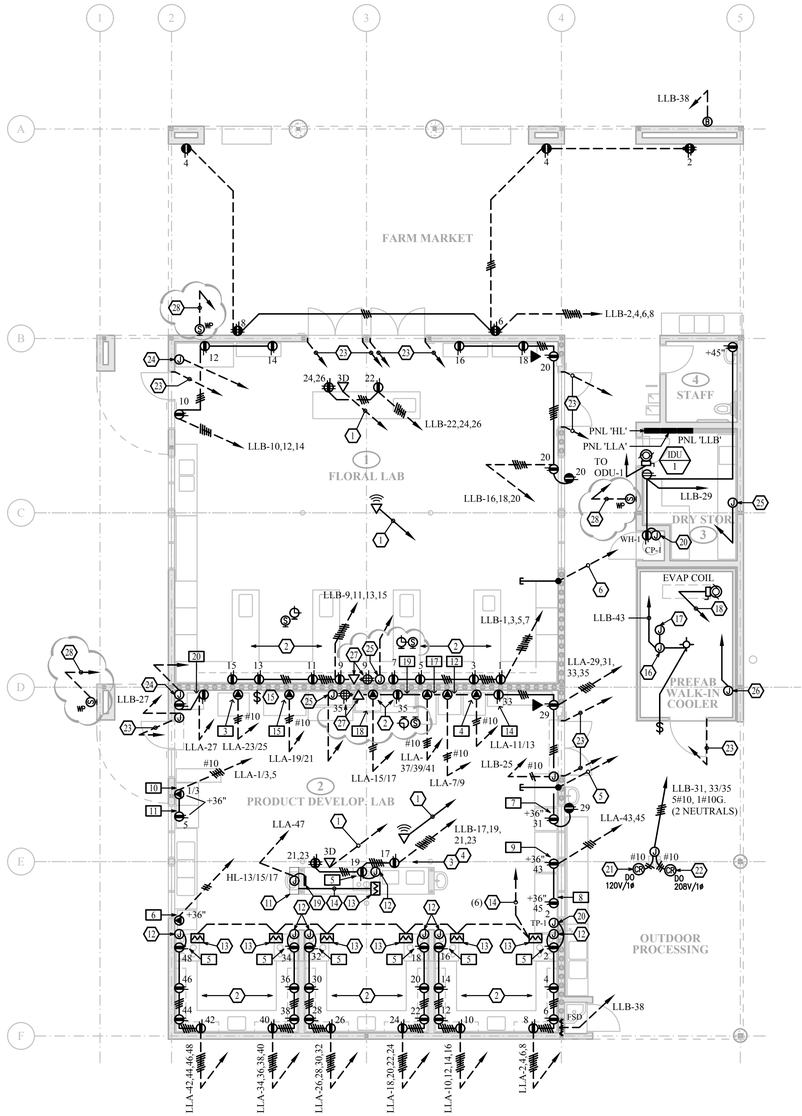


CORD REEL MOUNTING DETAIL

1

NO SCALE



NORTH

POWER AND LOW VOLTAGE PLAN

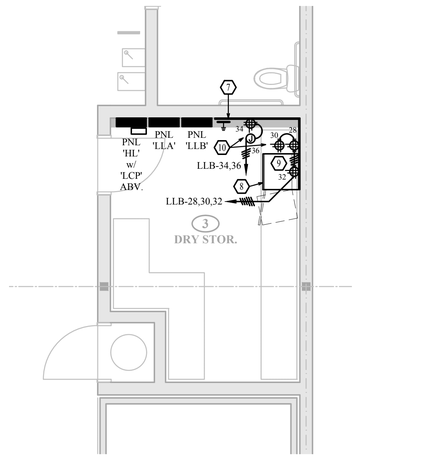
SCALE: 1/8" = 1'-0"

NOTES:

1. EQUIPMENT ID NOTED AS [X]. REFER TO ARCHITECTURAL SHEET A7.2 FOR DETAIL.
2. COORDINATE ALL EQUIPMENT LOCATIONS WITH ARCHITECTURAL DRAWINGS.

KEY NOTES ⬡

1. 1"C. TO IDF.
2. INSTALL COUNTER OUTLETS AT +45" AFF.
3. INSTALL OUTLETS ALONG THIS WALL AT +45" AFF.
4. COORDINATE DEVICE LOCATIONS IN ISLAND WITH ARCHITECT.
5. (2) 1"C. TO PANEL "HL", (2) 1"C. TO PANEL "LLA", (2) 1"C. TO PANEL "LLB".
6. (2) 1"C. TO PANEL "HL" AND (2) 1"C. TO PANEL "LLB".
7. 3/4" THICK x 8 FT. HIGH FIRE RESISTANT PLYWOOD ELECTRONICS BACKBOARD, PAINTED WITH FIRE RESISTANT PAINT. SECURE PLYWOOD TO (2) WOOD WALL STUDS WITH #10 x 3" COUNTERSUNK WOOD SCREWS AT 8" CENTERS, WITH MIN. (4) SCREWS AT 6" CENTERS AT EACH STUD, WITH MIN. 2 1/2" EMBEDMENT INTO WALL STUDS. PROVIDE 12" COPPER GROUND BUS ON INSULATORS AT +72" AFF AND RUN #6 GREEN CU BOND TO GEC.
8. IDF CABINET PER SPECS MOUNTED ABOVE SHELVING.
9. MOUNT OUTLET INSIDE IDF CABINET NEAR BOTTOM.
10. MOUNT OUTLETS AT BACKBOARD AT +24" AND +72".
11. HOOD CONTROL CABINET WITH HOOD CONTROLS AND EXHAUST FAN CONTROLS. VERIFY LOCATION. CONNECT ALL ELECTRICAL PORTIONS, INCLUDING OUTLETS, LIGHTS, EXHAUST FAN, MAKE-UP AIR, TEMPERATURE SENSOR, AND CONTROLS. REFER TO MANUFACTURER DRAWINGS.
12. CONNECT TO HOOD LIGHTS AND SWITCHES PER MANUFACTURER DRAWINGS.
13. CONNECT TO HOOD TEMPERATURE SENSOR PER MANUFACTURER DRAWINGS.
14. 18/2 TSP TO HOOD CONTROL PANEL PER MANUFACTURER DRAWINGS. QUANTITY OF CABLES NOTED ON PLANS.
15. HOOD ON/OFF WALL SWITCH. VERIFY LOCATION WITH MECHANICAL. MAKE CONNECTIONS TO EXHAUST FAN PER MECHANICAL.
16. MAKE CONNECTIONS TO COLD BOX LIGHTS AND HEAT CABLE. INSTALL AND CONNECT LIGHTS AND SWITCHES PROVIDED BY MANUFACTURER.
17. CONNECT TO SELF-REGULATING HEAT CABLE.
18. 3/4"C. 2#12, 1#12G. TO CONDENSING UNIT.
19. FAN CONTROL PANEL. CONNECT TO HOOD CONTROLLER WITH CAT5e CABLE.
20. LOCATE J-BOX FOR PLUMBING DEVICE PER PLUMBING PLANS.
21. WEATHERPROOF J-BOX FOR CORD REEL CONNECTION. CONDUCTIX 1400 SERIES WITH PIVOT BASE AND 50 FEET CORD RATED FOR 20A (MAX OPERATING WEIGHT 50 LBS).
22. WEATHERPROOF J-BOX FOR CORD REEL CONNECTION. CONDUCTIX 1900 SERIES WITH PIVOT BASE AND 50 FEET CORD RATED FOR 30A (MAX OPERATING WEIGHT 50LBS).
23. 1/2"C. TO +12" UP THE DOOR FRAME FOR DOOR SWITCHES. VERIFY LOCATION AND REQUIREMENT WITH INTRUSION COMPANY. HOMERUN TO BACKBORAD.
24. J-BOX AT +48" FOR KEYPAD. VERIFY LOCATION AND REQUIREMENT WITH INTRUSION COMPANY. 1/2"C. TO BACKBOARD.
25. J-BOX AT +108" FOR AUDIO DETECTOR. VERIFY LOCATION AND REQUIREMENT WITH INTRUSION COMPANY. 1/2"C. TO BACKBOARD.
26. J-BOX AT +60" FOR TEMP. PROBE MONITOR. VERIFY LOCATION AND REQUIREMENT WITH INTRUSION COMPANY. 1/2"C. TO BACKBOARD.
27. POWER AND DATA OUTLET FOR WALL MOUNTED TV MONITOR. VERIFY LOCATION AND HEIGHT PRIOR TO ROUGH-IN.
28. HOMERUN TO ELECTRONIC BACKBOARD.



NORTH

ELEC. EQT. PLAN

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

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POWER AND LOW VOLTAGE PLAN

E5.02

REGISTERED PROFESSIONAL ENGINEER
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