

**Addendum No. 1
December 8, 2021**

Project: Corsica-Stickney Elementary School Addition
Stickney, South Dakota
Architect's Project No.: 2910
Architect: Architecture Incorporated
Opening: December 16, 2021
2:00 pm CST
Elementary School Gymnasium

Scope of this Addendum:

To all bidders and all others to whom drawings and specifications have been issued by Architecture Incorporated, this Addendum forms a part of the Contract Documents. Acknowledge receipt of this addendum by listing its number and date in the bidder's Form of Proposal. Failure to do so may subject bidder to disqualification. This addendum modifies the drawings and specifications as follows:

GENERAL ITEMS:

- 1) PROJECT SCHEDULE: See Attached
- 2) PREBID MEETING NOTES: See Attached
 - a) Design Team Responses to Prebid Meeting Questions
 - i) Q: No silt fence or tracking station is shown on the civil plans. Will this be required, and where? RESPONSE: A response is in progress and will be clarified in a future addendum.
 - ii) Q: Is the new fire alarm system completely independent of the existing system, or are they tied together? RESPONSE: The existing fire alarm panel will be upgraded as required for the expansion (see specifications).
 - iii) Q: What about the existing class change bell, is the existing system tied into the new controller? RESPONSE: The existing bells are noted to be connected to the new master clock.
 - iv) Q: It appears that seeding the site after final grading is not included in the scope of this project. Is that intentional, or should that be included? Maybe I missed something? RESPONSE: Correct, it is not included in the scope of the work – noted on sheet 2.30 General Note D as “by Owner”.
- 3) CONSTRUCTION MANAGER FRONT END: See Attached
- 4) STICKNEY LANDFILL AND HAUL ROUTE: See Attached
- 5) DEMOLITION BID PACKAGES: See Annotated 30x42 sheet 4.0 Attached

SPECIFICATION ITEMS:

1. SPECIFICATION SECTION 088000 - GLAZING

- A. **ADD** Tinted insulating glass type “C” to paragraph 2.11:
1. Glass Type: Low-e-coated, [tinted] insulating glass.
 2. Low-E coating based on Cardinal Glass Industries insulated glass panels with LoE²-270 Gray tinted exterior lite and clear interior lite.
 3. Overall Unit Thickness: [1 inch (25 mm)].
 4. Thickness of Each Glass Lite: [6.0 mm].
 5. Outdoor Lite: Tinted, [heat-strengthened float glass] [fully tempered float glass]; Grey Tint
 6. Interspace Content: [Air].
 7. Indoor Lite: Clear [heat-strengthened float glass] [fully tempered float glass].
 8. Low-E Coating: [Pyrolytic or sputtered on third] surface.
 9. Visible Light Transmittance: [34] percent minimum.
 10. Center of Glass U-Factor: [0.29] maximum.
 11. Solar Heat Gain Coefficient: [0.27] maximum.
 12. Retain subparagraph below if required for fully tempered glass.
 13. Provide safety glazing labeling with tempered glass at locations noted.
 14. Application: Install in Storefront Elevations SF1 and SF2 in lieu of clear insulating glass and clear insulating safety glass. Spandrel glass is excluded.

DRAWING ITEMS:

- 1) SHEET 3.11 FOUNDATION PLAN: See new sheet with changes clouded and tagged with “1”
 - a) **MODIFY** Notes for Piers
- 2) SHEET 3.61 STANDARD DETAILS/SCHEDULES: See new sheet with changes clouded and tagged with “1”
 - a) **MODIFY** Concrete Pier Schedule
- 3) SHEET 4.10 OVERALL FLOOR PLAN: See new sheet with changes clouded and tagged with “1”
 - a) **ADD** notes to include temporary structure for egress of Phase 1 while Phase 2 is under construction.
- 4) SHEET 4.41 ENLARGED FLOOR PLANS: See new sheet with changes clouded and tagged with “1”
 - a) **DETAIL 1: ADD** 18” x 36” mirrors type ‘j’ above lavatories in rooms A105 and A107 as indicated.
- 5) SHEET 5.11 WINDOWS AND STOREFRONTS: See new sheet with changes clouded and tagged with “1”
 - a) **ADD** Tinted Glass type to Window Type Schedule
 - b) **MODIFY** glass types on Storefront elevations as indicated
- 6) SHEET 7.10 CASEWORK ELEVATIONS AND SECTIONS: See new sheet with changes clouded and tagged with “1”
 - a) **MODIFY** thickness of plastic laminate for cubby as indicated

GENERAL APPROVALS:

The following material or equipment furnished by the manufacturers listed, may be substituted as equivalent providing that each item, material, and piece of equipment conforms to the design and requirement of the specifications.

<u>SECTION</u>	<u>ITEM</u>	<u>MANUFACTURER</u>
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None at this time

MECHANICAL ITEMS:

See Attached Addendum M1

ELECTRICAL ITEMS:

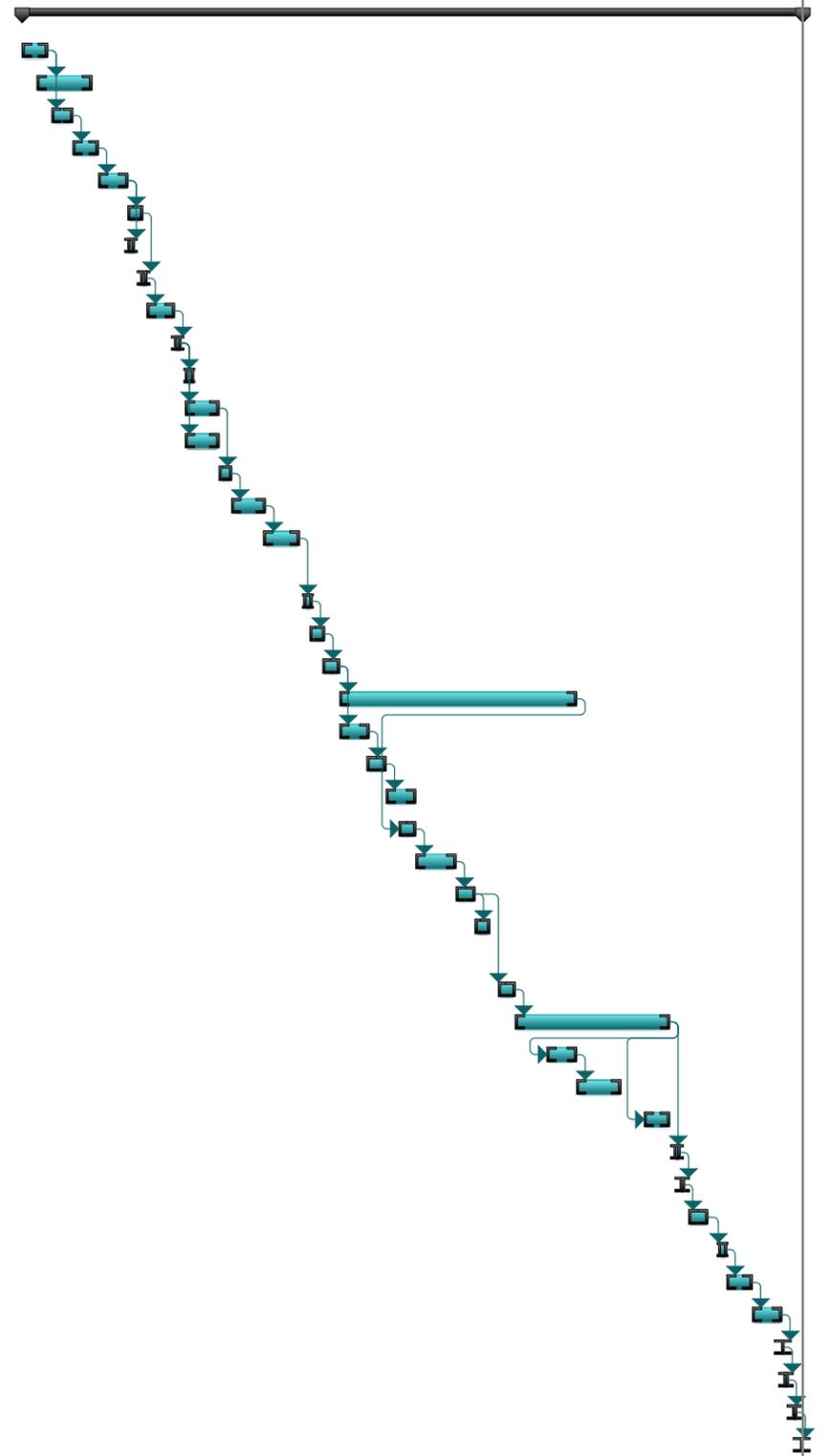
See Attached Addendum E1

PLAN HOLDERS LIST:

See Attached

END OF ADDENDUM #1

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	May 29, '22		Aug 21, '22		Nov 13, '22		Feb 5, '23		Apr 30, '23		Jul 23, '23		Oct 15, '23		Jan 7, '24		Mar 31, '24	
							M	F	T	S	W	S	T	M	F	T	S	W	S	T	M	F	T	S
44	🚩	Phase 2	265 days	Mon 5/15/23	Fri 5/17/24																			
45	🚩	Owner Relocation	10 days	Mon 5/15/23	Fri 5/26/23																			
46	🚩	MEP Work In Existing Gym	20 days	Mon 5/22/23	Fri 6/16/23	45FS-5 days																		
47	🚩	Asbestos Abatement	8 days	Mon 5/29/23	Wed 6/7/23	45																		
48	🚩	Building Decommissioning	8 days	Thu 6/8/23	Mon 6/19/23	47																		
49	🚩	Building Demolition/Removal	10 days	Tue 6/20/23	Mon 7/3/23	48																		
50	🚩	Engineered Fill	5 days	Tue 7/4/23	Mon 7/10/23	49																		
51	🚩	Remaining Site Demolition	3 days	Tue 7/4/23	Thu 7/6/23	49																		
52	🚩	Foundation Excavation	3 days	Mon 7/10/23	Wed 7/12/23	50FS-1 day																		
53	🚩	Footings/Foundations	9 days	Thu 7/13/23	Tue 7/25/23	52																		
54	🚩	Backfill/Grading	3 days	Wed 7/26/23	Fri 7/28/23	53																		
55	🚩	Selective Building Demolition	4 days	Mon 7/31/23	Thu 8/3/23	54																		
56	🚩	Load Bearing Masonry	12 days	Mon 7/31/23	Tue 8/15/23	54																		
57	🚩	MEP Masonry Roughin	12 days	Mon 7/31/23	Tue 8/15/23	54																		
58	🚩	Slab On Grade	4 days	Wed 8/16/23	Mon 8/21/23	56																		
59	🚩	Steel Erection	12 days	Tue 8/22/23	Wed 9/6/23	58																		
60	🚩	Exterior Steel Stud Framing/Sheathing	13 days	Wed 9/6/23	Fri 9/22/23	59FS-1 day																		
61	🚩	Decking	4 days	Mon 9/25/23	Thu 9/28/23	60																		
62	🚩	Roof Blocking	5 days	Thu 9/28/23	Wed 10/4/23	61FS-1 day																		
63	🚩	Roofing	6 days	Wed 10/4/23	Wed 10/11/23	62FS-1 day																		
64	🚩	MEP Roughin	80 days	Thu 10/12/23	Wed 1/31/24	63																		
65	🚩	Brick	10 days	Thu 10/12/23	Wed 10/25/23	63																		
66	🚩	Exterior Openings	7 days	Wed 10/25/23	Thu 11/2/23	65FS-1 day																		
67	🚩	Metal Wall Panels	10 days	Fri 11/3/23	Thu 11/16/23	66																		
68	🚩	Interior Steel Stud Framing	6 days	Thu 11/9/23	Thu 11/16/23	64FS-60 days																		
69	🚩	Insulate/Sheetrock	13 days	Fri 11/17/23	Tue 12/5/23	68																		
70	🚩	Paint	7 days	Wed 12/6/23	Thu 12/14/23	69																		
71	🚩	Instal Remaining Ext. Glass/Glazing	5 days	Fri 12/15/23	Thu 12/21/23	70																		
72	🚩	Ceiling Grid	6 days	Tue 12/26/23	Tue 1/2/24	70FS+7 days																		
73	🚩	MEP Trimout	53 days	Wed 1/3/24	Fri 3/15/24	72																		
74	🚩	Doors/Hardware	10 days	Thu 1/18/24	Wed 1/31/24	73FS-42 days																		
75	🚩	Specialties	15 days	Thu 2/1/24	Wed 2/21/24	74																		
76	🚩	Flooring	10 days	Mon 3/4/24	Fri 3/15/24	73FS-10 days																		
77	🚩	MEP Startup	3 days	Mon 3/18/24	Wed 3/20/24	73																		
78	🚩	Final Cleaning	2 days	Thu 3/21/24	Fri 3/22/24	77																		
79	🚩	Punchlist	7 days	Mon 3/25/24	Tue 4/2/24	78																		
80	🚩	Exterior Grading	4 days	Mon 4/8/24	Thu 4/11/24	79FS+3 days																		
81	🚩	Exterior Concrete	8 days	Fri 4/12/24	Tue 4/23/24	80																		
82	🚩	Final Grading/Landscaping	10 days	Wed 4/24/24	Tue 5/7/24	81																		
83	🚩	Substantial Completion	1 day	Wed 5/8/24	Wed 5/8/24	82																		
84	🚩	Owner Training	2 days	Thu 5/9/24	Fri 5/10/24	83																		
85	🚩	Demobilize	2 days	Mon 5/13/24	Tue 5/14/24	84																		
86	🚩	Final Completion	1 day	Fri 5/17/24	Fri 5/17/24	85FS+2 days																		



Project: Stickney Project Schedule Date: Tue 12/7/21	Task		Project Summary		Inactive Milestone		Manual Summary Rollup		Deadline	
	Split		External Tasks		Inactive Summary		Manual Summary		Progress	
	Milestone		External Milestone		Manual Task		Start-only			
	Summary		Inactive Task		Duration-only		Finish-only			

Corsica-Stickney Elementary Addition Pre-Bid Meeting Notes

December 7th, 2021

- **Review Items**

- Project Scope
 - New 15,000 sqft Elementary Addition in Stickney, SD.
 - This project will be split into two separate phases. Phase 1 will be an addition only. Phase 2 will include demo of existing school, with an addition on the south half of the school.
 - Route questions through the Construction Manager, Puetz Design+Build.
 - Any power and utility shutdowns **Must** be coordinated with the school and the Construction Manager.
 - Contractors must submit a list of their employees that will be on the project. They must comply with the Owner's requirements for background screening.
 - No employee that appears on the Sex Offender Registry for any State shall be permitted to work on this project.
- Project Schedule
 - Bids Due: December 16th at 2:00 PM
 - Tentative Construction Start: 5/16/2022
 - Tentative Substantial Completion: 7/12/2024
 - See Addendum #1 for the complete preliminary construction schedule.
- Bid Packages
 - 17 bid packages, the list and descriptions are found in Section 00 4000
- Bidding Multiple Bid Packages
 - If you were invited to bid on multiple packages, you must submit separate bids for each bid package. See Section 00 2113.
- Bid Document Availability and Distribution
 - Bid documents are available on the exchanges
 - Paper copies will be issued upon request
- Special Bidding Requirements
 - The HVAC portion of this project will be using ESSER funding. Review the requirements at the front of the Division 23 Specs.
 - Bid Package #16 – HVAC, will be subject to Davis-Bacon wage determination. The wages that apply are listed just in front of the Division 23 specifications.
- Instruction To Bidders
 - Bids will be received until 2:00 pm Central Time, on December 16th, 2021
 - Bids received after 2:00 pm will be returned unopened.
 - If bids are not brought in person to the bid opening, they must be hand delivered or mailed to the school's business office so that they arrive prior to 2:00 on the day of the bid.
 - Faxed or emailed bids are not allowed for bid packages. Bids will be opened publicly and read aloud in the Band Room at the Stickney Elementary School.
 - An amendment to a bid will be accepted if it is received in writing prior to the bid closing. It must be endorsed by the party who signed the offer.
 - If there is a question about the true meaning of any part of the Contract Documents, or a discrepancy or omission in the documents, the bidder shall be responsible for obtaining an explanation or interpretation of

- the discrepancy. The Contractor shall not take advantage of any error but shall have it explained or adjusted by the Architect before submitting a proposal. See Section 002113.3.04.F for a more complete explanation.
- Direct questions to Paul Williams or Jake Weber
 - Clarifications, questions, and substitution requests are due December 13th at 5:00 PM
 - The reply will be in the form of an Addendum.
 - Successful bidders will be required to enter into a contract with the Construction Manager, Puetz Design + Build. A copy of this contract is included in the specifications in Section 005000.
 - All fees and taxes except for Excise Tax are to be included in the Bidder Bid Proposal. Exemption certificates will be issued to successful bidders for Excise Tax from Puetz Design + Build.
 - Bid Bonds are required.
 - The cost of a Payment & Performance bond is to be included in the base bid. There will be an Alternate on the bid form to deduct this cost.
 - The Owner reserves the right to accept or reject any or all offers.
 - Unit Prices
 - Section 012200
 - The Unit Prices requested are for Unclassified Excavation and Engineered Fill.
 - Builders Risk and Liability Insurance Requirements
 - Puetz Design + Build will carry Builder's Risk insurance on this project
 - Other insurance requirements are listed in Exhibit E of the Subcontract
 - Excise Tax Exemption
 - Puetz Design + Build will provide Excise Tax Exemption Certificate to each subcontractor
 - Payment Procedures
 - See Section 012000 for payment procedures
 - Testing & Inspections
 - The Construction Manager will coordinate testing and inspections with a qualified testing agency
 - Any retesting that is required because of non-conforming work shall be paid for by the responsible contractor
 - Temporary Facilities and Controls
 - The Construction Manager shall provide temporary facilities and enclosures as outlined in Section 015000
 - If sheltering is required by a subcontractor that is not included in this scope, it shall be their responsibility to provide it.
 - The storm water permit will be provided by Puetz Design + Build, the sitework contractor will be responsible for installation, repair, and maintenance of the erosion control
 - Survey & Layout –
 - Construction Manager will provide benchmarks and control points for use in laying out the work
 - Each contractor is responsible for laying out their own work
 - Issued & Pending Addendums
 - Addendum #1 will be issued on December 8th, 2021.

Meeting Minutes & Questions

- **Puetz Design + Build will be issuing the Project Schedule in Addendum #1.**
- **If bids are mailed through FedEx or UPS, they may not arrive by 2:00 PM on December 16th.**
- **Is silt fence required? It is not show on the Civil Drawings.**
- **Northwestern Energy has the main Power Supply for the School.**
- **Discussed in the pre-bid meeting; selective demo Bid Package #1?**
- **Will there need to be new fire alarm systems, or will they be able to tie into the existing system?**

- **Will the same apply for the classroom bell?**
- **The school reached out to the City of Stickney for a rubble site for the demo work.**
 - **This will be uploaded in Addendum #1.**
- **Created a Temp barrier in-front of the south bathrooms and Mechanical Room for and Egress Exit.**
 - **This will be included in Bid Package #1.**

Puetz Design + Build Addenda Items – Addendum #1

Puetz Design + Build is the Construction Manager on this project but will also be bidding on portions of the work.

1. **All contractors submitting bids on one of the Bid Packages for this project must review 00 2113 – Instructions to Bidders and follow the instructions for submitting bids as described in Paragraph 6.01. Submit a separate Bid Form for each bid, if bidding more than one package. A Bid Bond is required for each Bid Package.**
2. **Each contractor is required to provide competent on-sight supervision for his scope of work.**
3. Any reference in the specifications to **Davis-Bacon Wage Determinations** or to other Federal funding requirements apply to **Bid Package #16 – HVAC** only. These requirements **do not apply** to other contractors.
4. Each contractor is responsible for receiving and unloading their own material and equipment shipments to the job site. The Construction Manager will not take responsibility for this.
5. Critical Path Construction Schedule. See attached schedule. **All subcontractor's submitting a bid shall be required to maintain the schedule as shown, and as may be adjusted by the Construction Manager.** The completion dates are critical to the Owner's schedule and use of facilities.
6. M & E subcontractors shall be responsible for the cost and installation of any equipment bases that are required for their equipment. Concrete forms and materials are to be as specified in Section 033000 – Cast-In-Place Concrete.
7. See attached Pre-Bid Meeting notes and questions.
8. Section 004000 – Bid Package Descriptions. Review the following clarifications for selected Bid Packages.
 - a. Bid Package #1 - General Construction
 - i. Under Division 06, add the following sections:
 1. 061600 – Sheathing (Roof sheathing shall be under this Bid Package)
 2. 061753 – Wood Trusses (Provide and install)
 - ii. The construction of the temporary egress shelter shall be by this Bid Package. See note on Plan Sheet 4.10 that is included in this addendum. A temporary door with a panic device shall be installed for use until the finishing phase when the permanent doors will be installed.
 - iii. See attached Demo Sheet 4.00 for division of demolition responsibilities between Bid Packages 1 & 2.

- iv. Note that glass doors and shelving are supplied and installed by this bid package. See Section 088000 1.2.B, and Section 123216 2.6.L for clarification.
 - b. Bid Package #2 – Earthwork
 - i. See attached Demo Sheet 4.00 for division of demolition responsibilities between Bid Packages 1 & 2.
 - ii. See the “dump site” and “haul route” that has been provided by the City of Stickney for the disposal location of demo debris.
 - iii. This contractor shall be responsible to repair or replace concrete or asphalt surfaces damaged by the installation of site utilities.
 - iv. This contractor shall take care not to damage concrete or asphalt surfaces that are not noted to be replaced. It shall be this contractor’s responsibility to make necessary repairs if there is damage to same.
 - c. Bid Package #11 & #14, as relates to Tectum Panels
 - i. The Tectum panels supplied and installed by Bid Package #11 shall be painted by Bid Package #14.
 - d. Bid Package #16 – HVAC
 - i. See Mechanical addendum for Alternate #3 for eliminating AC in RTU-2.
 - ii. This sub-contractor shall pay close attention to the requirements included in the specifications just before the Division 23 specs. This includes the following:
 - 1. NOTIFICATION ON FEDERALLY FINANCED OR ASSISTED CONSTRUCTION CONTRACTS
 - 2. Davis Bacon wage rates and reporting requirements.
 - e. Bid Package #17 – Electrical
 - i. This contractor shall be responsible for temporary lighting for the temporary egress shelter noted on Sheet 4.10 that is a part of this addendum.
9. Section 001400 – Bid Form
- a. Use revised Bid Form attached to this addendum.

SECTION 004100

BID FORM

THE PROJECT AND THE PARTIES

1.01 TO: CORSICA-STICKNEY SCHOOL DISTRICT 21-3

1.02 FOR: CORSICA-STICKNEY ELEMENTARY ADDITION

1.03 DATE: _____ (BIDDER TO ENTER DATE)

1.04 SUBMITTED BY: (BIDDER TO ENTER NAME AND ADDRESS)

- A. Bidder's Full Name _____
- 1. Address _____
- 2. City, State, Zip _____

1.05 BID PACKAGE

Bid Package # _____ Description _____

1.06 OFFER

A. Having examined the Place of The Work and all matters referred to in the Instructions to Bidders and the Contract Documents prepared by Puetz Design + Build for the above mentioned project, we, the undersigned, hereby offer to enter into a Contract to perform the Work for the Unit Prices listed in this bid form of:

B. _____
 _____ dollars
 (\$ _____), in lawful money of the United States of America.

- C. We have included the required security deposit as required by the Instruction to Bidders.
- D. All applicable federal taxes are included and State of South Dakota taxes are included in the Bid Sum.
- E. All Cash and Contingency Allowances described in Section 012100 - Allowances are included in the Bid Sum.
- F. By submission of the BID, each BIDDER certifies, and in the case of a joint BID each party thereto certifies as to its own organization, that this BID has been arrive at independently, without consultation, communication, or agreement as to any matter relating to this BID with any other BIDDER or with any competitor.

1.07 ACCEPTANCE

- A. This offer shall be open to acceptance and is irrevocable for thirty days from the bid closing date.
- B. If this bid is accepted by Owner within the time period stated above, we will:
 - 1. Execute the Agreement within ten calendar days of receipt of Notice of Award.
 - 2. Furnish the required bonds within seven days of receipt of Notice of Award.
 - 3. Commence work within seven days after written Notice to Proceed of this bid.
- C. If this bid is accepted within the time stated, and we fail to commence the Work or we fail to provide the required Bond(s), the security deposit shall be forfeited as damages to Owner by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this bid and the bid upon which a Contract is signed.
- D. In the event our bid is not accepted within the time stated above, the required security deposit shall be returned to the undersigned, in accordance with the provisions of the Instructions to Bidders; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time.

1.08 CONTRACT TIME

- A. If this Bid is accepted, we will:

- 1. Complete the Work in accordance with Section 000102 - Project Information: Procurement Timetable.

1.09 Alternates

- A. The following specified alternate(s) may be added or deducted from the base bid. Detailed descriptions of the alternate(s) are found in section 01 2300 – Alternates. Indicate Add or Deduct if there is an option.

Alternate #1: Payment & Performance Bond	Deduct	\$ _____
Alternate #2: Bi-Polar Ionization	Add	\$ _____
Alternate #3: Eliminate AC for RTU-2	Deduct	\$ _____

1.10 UNIT PRICES

- A. The following are Unit Prices for specific portions of the Work as listed. The following is the list of Unit Prices:

Unit Price #1	Unclassified Excavation	Add \$ _____/CY
Unit Price #2	Engineered Fill	Add \$ _____/CY

1.11 ADDENDA

- A. The following Addenda have been received. The modifications to the Bid Documents noted below have been considered and all costs are included in the Bid Sum.

Addendum # _____	Dated _____.

1.12 BID FORM SIGNATURE(S)

The undersigned acknowledges that the owner reserves the right to reject any and all bids and to waive any and all informalities in the bidding process.

Bidder _____

Address _____

Phone _____

Fax _____

Email _____

Signature _____

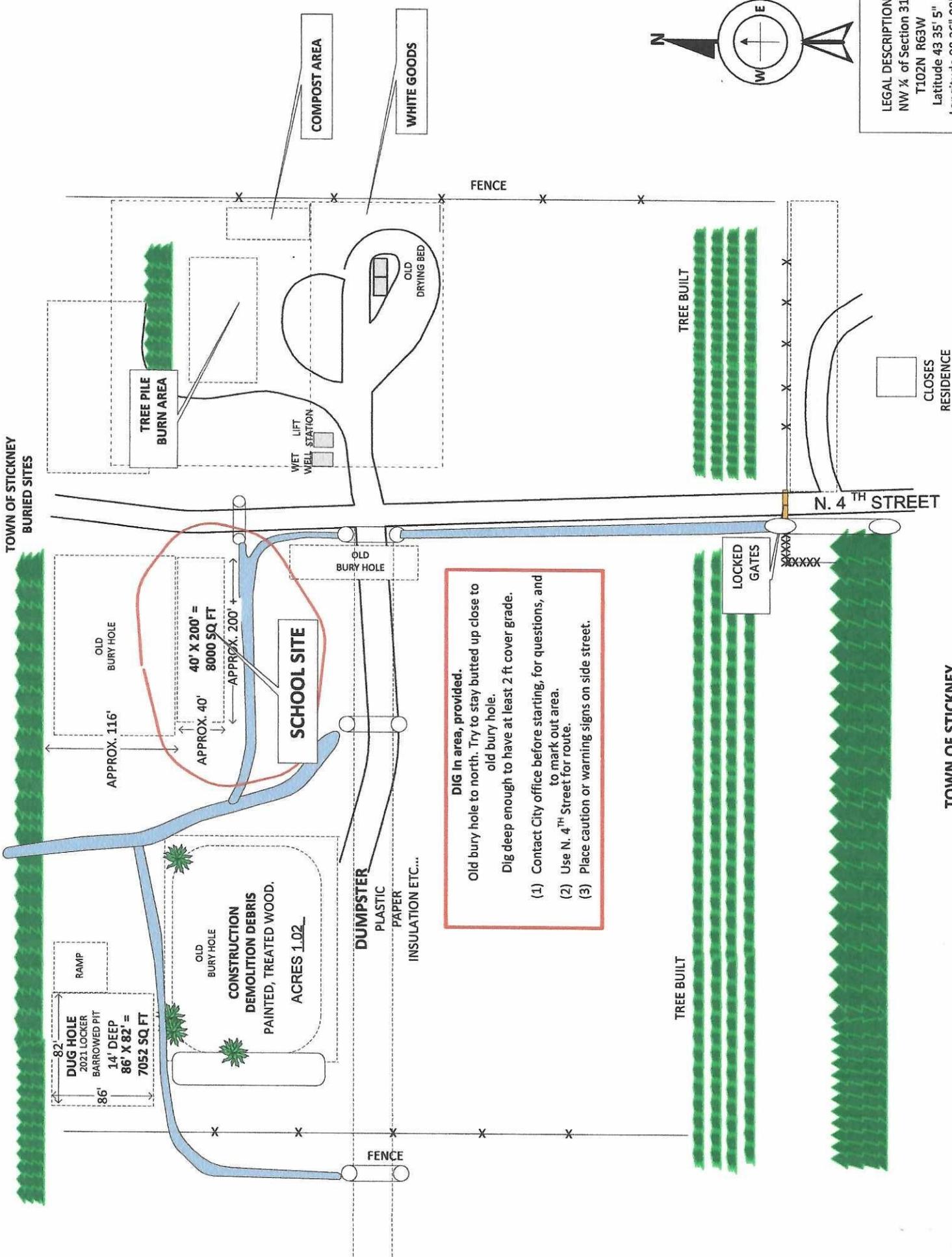
Title _____

1.13 THIS PROPOSAL INCLUDES STATE SALES TAX AND ALL OTHER STATE AND FEDERAL TAXES, AS MAY BE REQUIRED FOR THE PERFORMANCE OF THIS WORK.

1.14 CONTRACTORS WILL BE EXEMPT FROM CONTRACTOR'S EXCISE TAX AND WILL BE ISSUED EXEMPTION CERTIFICATES ACCORDINGLY.

END OF BID FORM

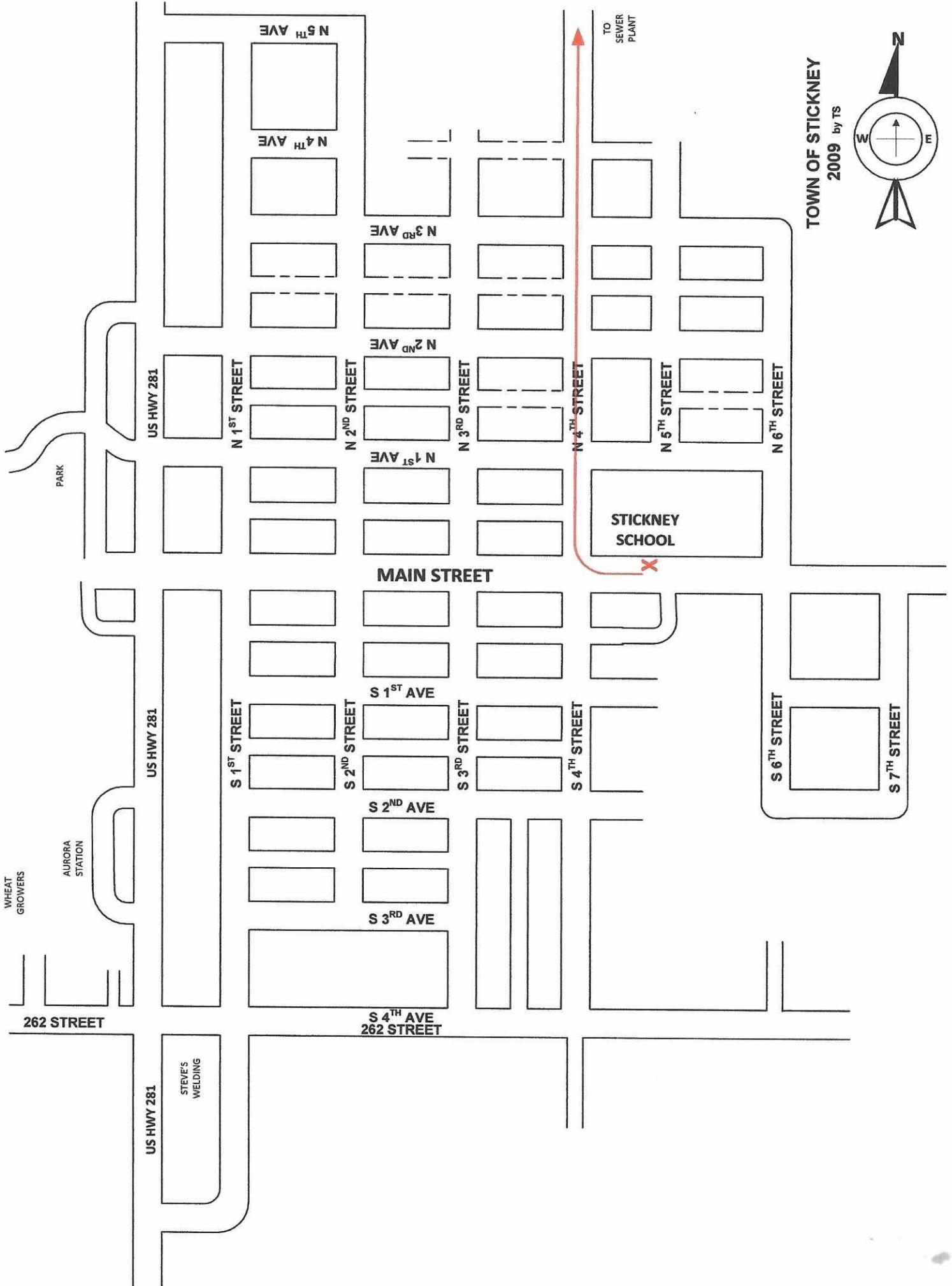
TOWN OF STICKNEY
BURIED SITES



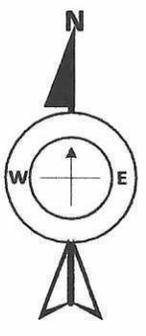
LEGAL DESCRIPTION
NW ¼ of Section 31
T102N R63W
Latitude 43 35' 5"
Longitude 98 26' 08"

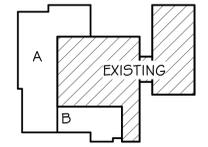
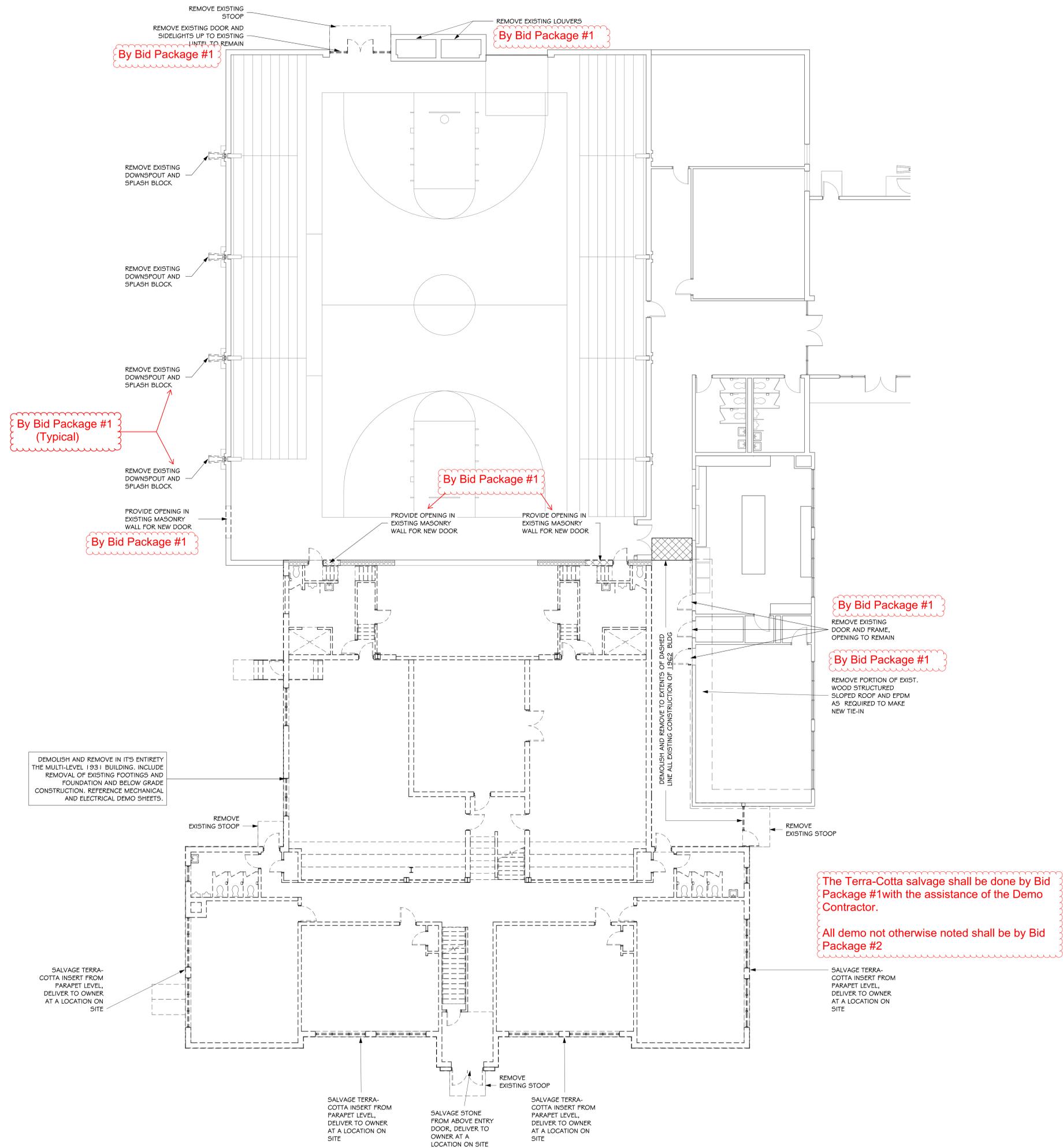
DIG In area, provided.
Old bury hole to north. Try to stay butted up close to old bury hole.
Dig deep enough to have at least 2 ft cover grade.
(1) Contact City office before starting, for questions, and to mark out area.
(2) Use N. 4TH Street for route.
(3) Place caution or warning signs on side street.

TOWN OF STICKNEY



TOWN OF STICKNEY
2009 by TS





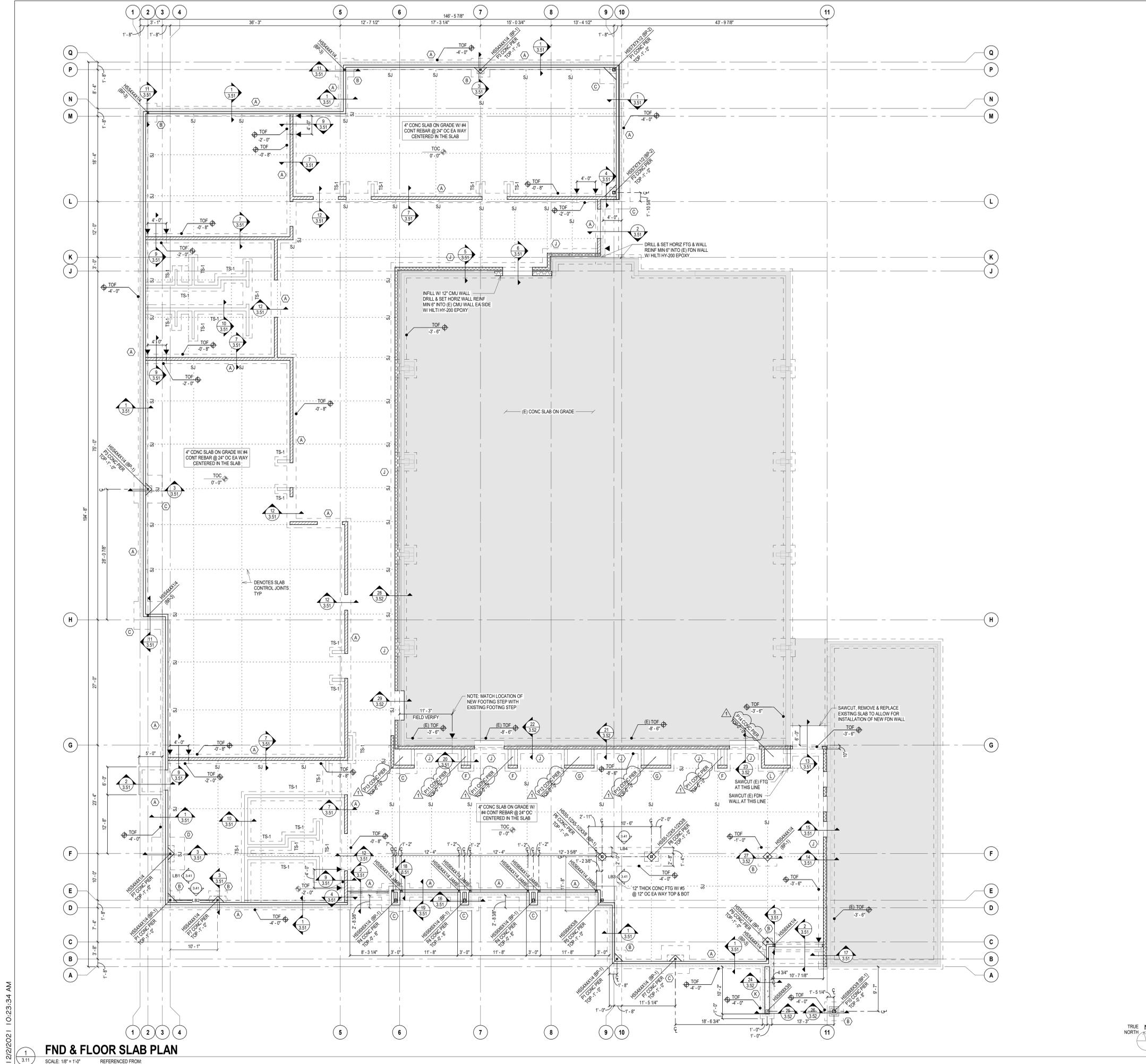
KEYPLAN

CORSICA-STICKNEY ELEM. SCHOOL ADDITION

DEMOLITION BID PACKAGES

Project

Sheet Contents



SHEET NOTES

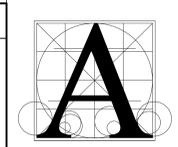
- FOUNDATION & FLOOR SLAB PLAN NOTES**
- SEE SHEET SERIES 3.01 FOR STRUCTURAL NOTES.
 - VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION COMMENCES.
 - ELEVATIONS ON THE STRUCTURAL DRAWINGS REFER TO THE TOP OF CONCRETE REFERENCE ELEVATION SET AT 0'-0" (MAIN FLOOR).
 - TOP OF CAST-IN-PLACE FOUNDATION WALL (TOW) = 0'-0" UNO.**
 - CAST-IN-PLACE FOUNDATION WALL REINFORCING SHALL BE CONTINUOUS AROUND CORNERS.
 - TOP OF FOOTING ELEVATION (TOF) = -4'-0" UNO.** SEE THIS SHEET FOR CONCRETE FOOTING SCHEDULE.
 - CENTERLINE OF FOOTING SHALL COINCIDE WITH THE FOUNDATION WALL & COLUMN CENTERLINE, UNLESS SHOWN OTHERWISE.
 - SEE SHEET SERIES 3.61 FOR CONCRETE PIER SCHEDULE.
 - CONCRETE SLAB-ON-GRADE CONTROL JOINTS SHALL BE TOOLED OR SAWCUT. THE JOINT PATTERN SHALL BE APPROXIMATELY AS SHOWN. SEE SHEET 3.61 FOR TYPICAL SLAB JOINT DETAILS.
 - MAXIMUM DIMENSION SHALL BE 60'-0" BETWEEN CAST-IN-PLACE CONCRETE POURS (CONSTRUCTION JOINTS).
 - PROVIDE #4 x39" DOWELS @ 18" OC ALONG ALL SLAB CONSTRUCTION JOINTS.
 - PROVIDE (2) #4 #6" REINFORCING BARS IN SLAB-ON-GRADE AT ALL SLAB RE-ENTRANCY CORNERS.
 - SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR SLOPES, DROPS, AND DRAIN LOCATIONS IN FLOOR SLAB.
 - SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATION OR MECHANICAL EQUIPMENT PADS.
 - CENTER STOPS ON OPENINGS UNLESS DIMENSIONED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF DOOR OPENINGS.
 - BACKFILL & COMPACT BOTH SIDES OF FOUNDATION WALLS SIMULTANEOUSLY.
 - SEE CIVIL DRAWINGS FOR EXTERIOR GRADING.
 - SEE ARCHITECTURAL DRAWINGS FOR ALL RIGID INSULATION REQUIREMENTS.
 - TYPICAL STUD WALLS SHALL BE CONSTRUCTED WITH 600S162-43 METAL STUDS @ 16" OC UNLESS OTHERWISE NOTED OR DETAILED.
 - FOR TYPICAL FOUNDATION RELATED DETAILS SEE SHEET SERIES 3.6x, INCLUDING BUT NOT LIMITED TO TYPICAL COLUMN ISOLATION DETAIL, TYPICAL PIPE CROSSING DETAIL, AND TYPICAL EQUIPMENT PAD DETAILS.
 - ALL BELOW GRADE STEEL CONNECTIONS SHALL BE COATED WITH BITUMINOUS PAINT.

SHEET LEGEND

- DENOTES STEP IN WALL FOOTING
- ◆ DENOTES STEP IN TOP OF CAST-IN-PLACE CONCRETE WALL
- xx' xx' DENOTES CHANGE IN SLAB THICKNESS OR PHASE OF PROJECT
- /// DENOTES STEP / RECESS IN CONCRETE SLAB
- DENOTES CONCRETE SLAB CONTROL JOINTS (SJ)
- DENOTES CONCRETE SLAB CONSTRUCTION JOINT (CJ) OR FULL DEPTH KEYED CONSTRUCTION JOINT
- ⊗ DENOTES FOOTING, SEE PLAN & SCHEDULE
- TSx DENOTES CONTINUOUS THICKENED SLAB FOOTING, SEE SCHEDULE
- SLOPE DENOTES DIRECTION OF SLOPE IN CONCRETE SLAB
- DENOTES FLOOR DRAIN IN SLAB, SEE MECH DRAWINGS
- lb (90°) DENOTES LATERAL BRACED FRAME, SEE LATERAL BRACE ELEVATIONS AND DETAILS ON SHEETS 3.41 & 3.42.
- DENOTES COLUMN AND / OR PIER SIZE, SEE PIER SCHEDULE ON SHEET SERIES S-6x.
- ▨ DENOTES 8" LOAD BEARING CMU WALL, GROUTED SOLID. SEE PLAN & REINFORCE WITH (1) #5 VERTICAL REBAR @ 48" OC (MAX) CENTERED IN GROUT FILLED CELLS PLUS (1) ADDITIONAL #5 VERT REBAR AT EDGES OF ALL OPENINGS AND CORNERS IN GROUT FILLED CELLS. IN ADDITION PROVIDE THE FOLLOWING HORIZONTAL REINFORCEMENT:
 - CONT #2 BOND BEAM W/ (2) #5 HORIZ REBAR @ 6'-0" OC (MAX)
 - 9 GAUGE DUROWALL @ 16" OC.
- ▨ DENOTES 8" NON-LOAD BEARING CMU WALL. SEE PLAN & REINFORCE WITH (1) #5 VERTICAL REBAR @ 48" OC (MAX) CENTERED IN GROUT FILLED CELLS PLUS (1) ADDITIONAL #5 VERT REBAR AT EDGES OF ALL OPENINGS AND CORNERS IN GROUT FILLED CELLS. IN ADDITION PROVIDE THE FOLLOWING HORIZONTAL REINFORCEMENT:
 - CONT #2 BOND BEAM W/ (2) #5 HORIZ REBAR @ 6'-0" OC (MAX)
 - 9 GAUGE DUROWALL @ 16" OC.
- ▨ DENOTES 12" LOAD BEARING CMU WALL. SEE PLAN & REINFORCE WITH (1) #5 VERT REBAR @ 16" OC (MAX) CENTERED IN GROUT FILLED CELLS PLUS (1) ADDITIONAL #5 VERT REBAR AT EDGES OF ALL OPENINGS AND CORNERS IN GROUT FILLED CELLS. IN ADDITION PROVIDE THE FOLLOWING HORIZONTAL REINFORCEMENT:
 - CONT #2 BOND BEAM W/ (2) #5 HORIZ REBAR @ 6'-0" OC (MAX)
 - 9 GAUGE DUROWALL @ 16" OC.

SCHEDULES

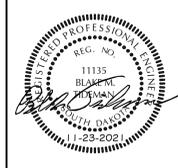
FOOTING SCHEDULE			
MARK	FOOTING SIZE	REINFORCING	REMARKS
A	2'-0" x 1'-0" x CONT	(3) #5 CONT	BOTTOM
B	4'-0" x 4'-0" x 1'-0"	(5) #5 HORIZ EA WAY	BOTTOM
C	6'-0" x 6'-0" x 1'-0"	(7) #5 HORIZ EA WAY	BOTTOM
D	7'-0" x 7'-0" x 1'-0"	(8) #5 HORIZ EA WAY	BOTTOM
F	3'-4" x 5'-0" x 1'-0"	(6) #5 SHORT WAY(S) #5 LONG WAY	BOTTOM
G	7'-0" x 5'-0" x 1'-0"	(9) #5 SHORT WAY(S) #5 LONG WAY	BOTTOM
J	1'-4" x 1'-0" x CONT	(2) #5 CONT	BOTTOM
K	3'-0" x 1'-0" x CONT	(4) #5 CONT	BOTTOM
L	5'-4" x 5'-0" x 1'-0"	(6) #5 EA WAY	BOTTOM
TS-1	2'-0" x 1'-0" x CONT	(3) #4 CONT	BOTTOM



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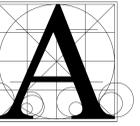
Albertson Engineering Inc.
3202 W. MAIN, SUITE C
RAPID CITY, SD 57702
605.343.9606

CORSICA-STICKNEY ELEM. SCHOOL ADDITION

FOUNDATION PLAN

Project number	21-106	
date	11-23-2021	
revision		
drawn	JAB	
checked	BMT	
NO.	DATE	DESCRIPTION
1	12-3-21	ADD#1

3.11



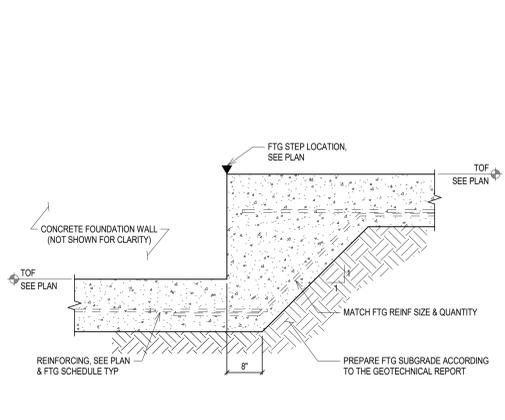
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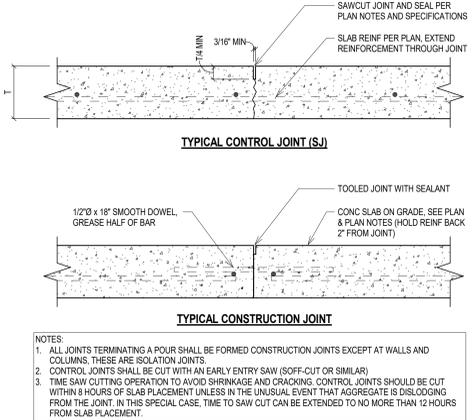
815 St Joseph Street, Suite 203
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Rapid City, South Dakota 57701
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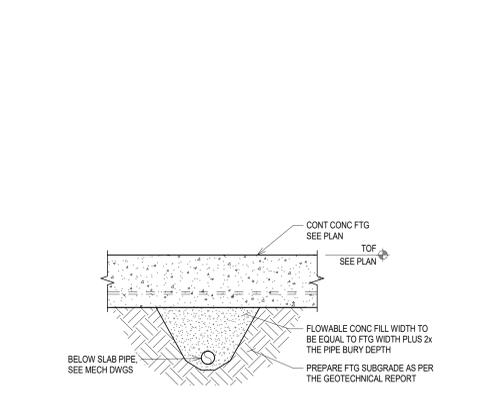
Albertson Engineering Inc.
3202 W. MAIN, SUITE C
RAPID CITY, SD 57702
605.343.9606



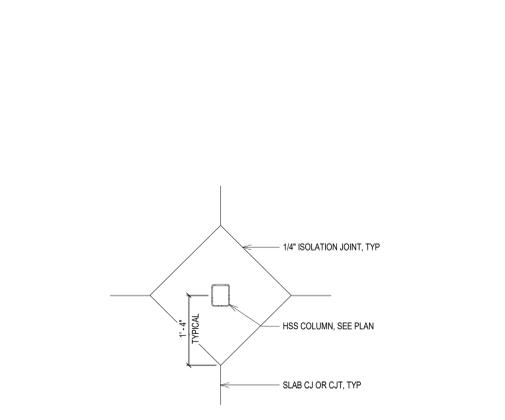
S1
3.61
TYP FTG STEP
SCALE: 3/4" = 1'-0"



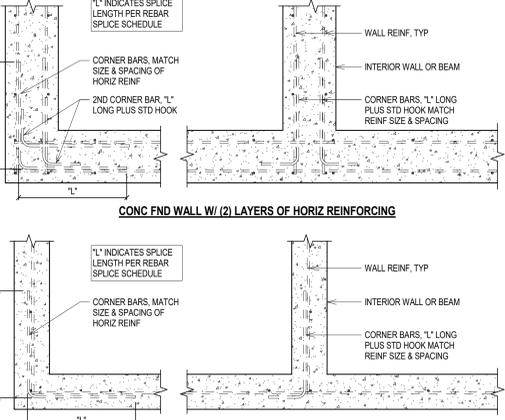
S2
3.61
TYP CIPC SOG JOINTS
SCALE: 1 1/2" = 1'-0"



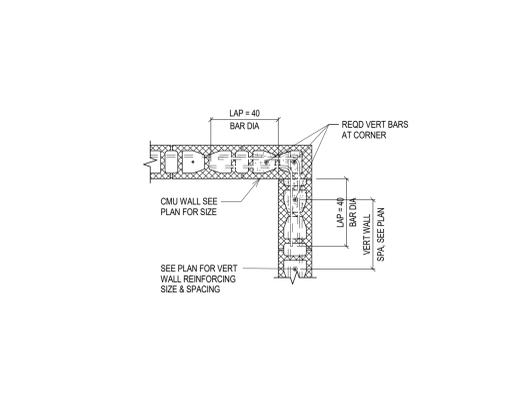
S3
3.61
TYP FTG - UTILITY PIPE BLW
SCALE: 3/4" = 1'-0"



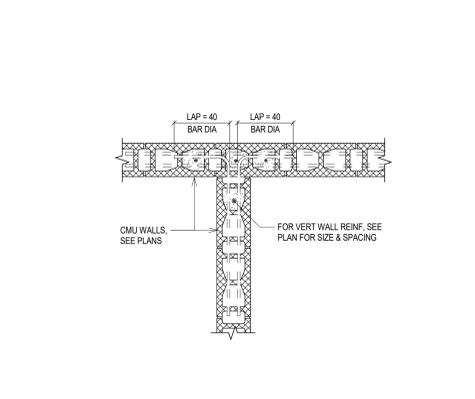
S4
3.61
TYP STL COL - ISOLATION JT AT HSS
SCALE: 3/4" = 1'-0"



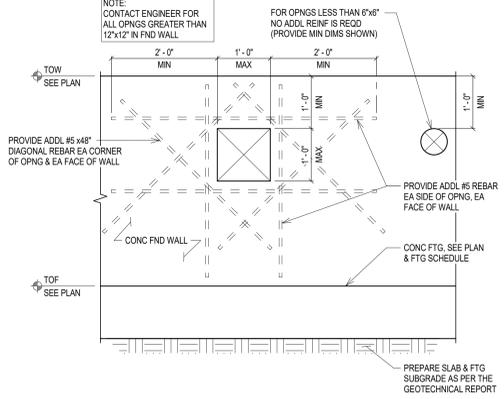
S5
3.61
TYP CIPC WALL CORNER BAR
SCALE: 3/4" = 1'-0"



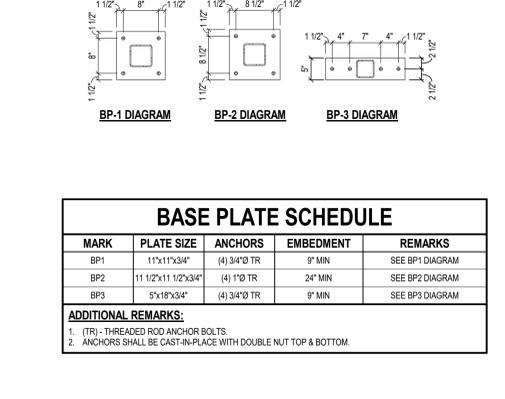
S6
3.61
TYP CMU BOND BM CORNER
SCALE: 3/4" = 1'-0"



S7
3.61
TYP CMU BOND BM INTERSECTIONS
SCALE: 3/4" = 1'-0"



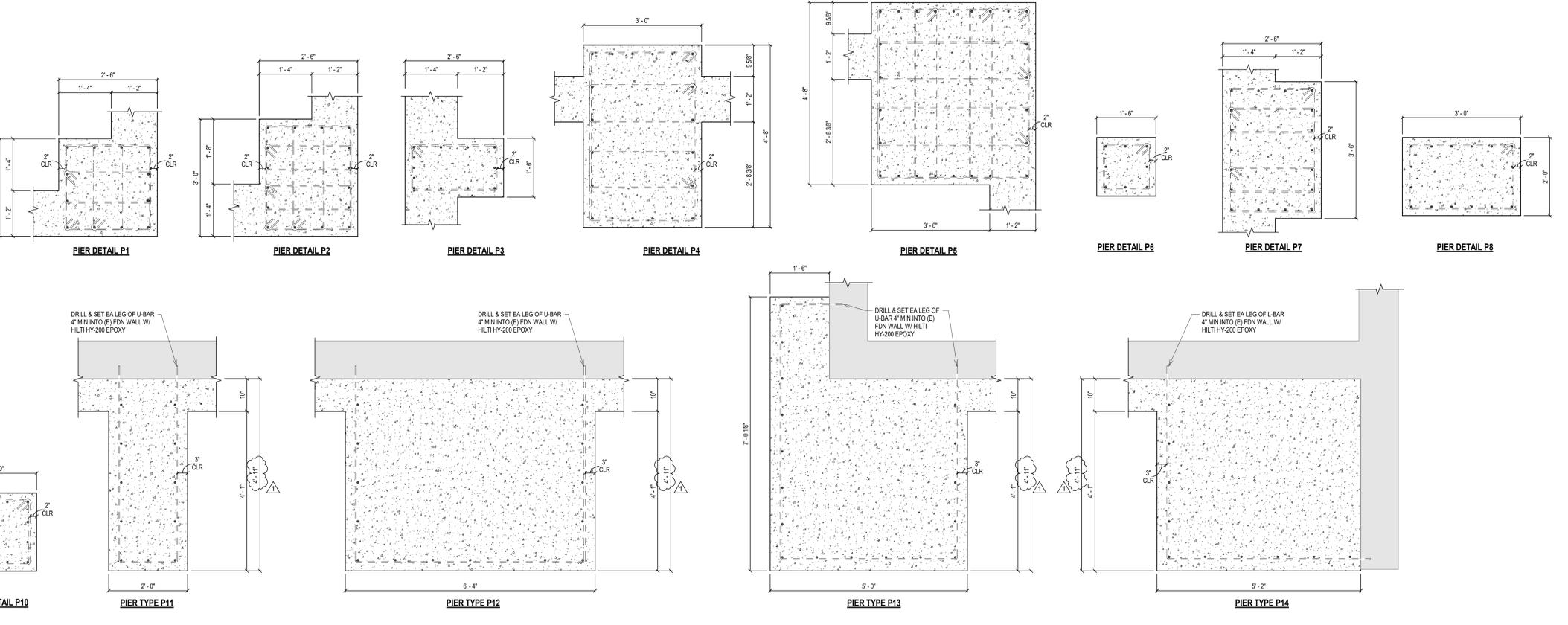
S8
3.61
TYP OPENING IN CIPC FND WALL
SCALE: 3/4" = 1'-0"



S9
3.61
SCHEDULE - BASE PLATE
SCALE: NTS

MARK	SIZE	VERTICAL REINF	TIES	REMARKS
P1	30" x 30"	(12) #5	#4 @ 12" OC	SEE PIER DETAIL P1
P2	30" x 36"	(16) #5	#4 @ 12" OC	SEE PIER DETAIL P2
P3	18" x 30"	(10) #5	#4 @ 12" OC	SEE PIER DETAIL P3
P4	36" x 56"	(20) #5	#4 @ 12" OC	SEE PIER DETAIL P4
P5	50" x 56"	(26) #5	#4 @ 12" OC	SEE PIER DETAIL P5
P6	18" x 18"	(8) #5	#4 @ 12" OC	SEE PIER DETAIL P6
P7	30" x 42"	(18) #5	#4 @ 12" OC	SEE PIER DETAIL P7
P8	24" x 36"	(16) #5	#4 @ 12" OC	SEE PIER DETAIL P8
P9	24" x 30"	(16) #5	#4 @ 12" OC	SEE PIER DETAIL P9
P10	24" x 24"	(12) #5	#4 @ 12" OC	SEE PIER DETAIL P10
P11	24" x 56"	(11) #5	#4 @ 12" OC (U-BARS)	SEE PIER DETAIL P11
P12	56" x 76"	(15) #5	#4 @ 12" OC (U-BARS)	SEE PIER DETAIL P12
P13	56" x 57 1/4"	(14) #5	#4 @ 12" OC (U-BARS)	SEE PIER DETAIL P13
P14	56" x 62"	(10) #5	#4 @ 12" OC (U-BARS)	SEE PIER DETAIL P14

ADDITIONAL REMARKS:
PROVIDE (2) #4 TIES WITHIN TOP 5" OF CONCRETE PIER, (UNLESS NOTED OTHERWISE).



S11
3.61
SCHEDULE - CONCRETE PIER
SCALE: NTS

Project
CORSICA-STICKNEY ELEM. SCHOOL ADDITION
Sheet Contents
STANDARD DETAILS / SCHEDULES

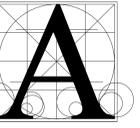
number	21-106	
date	11-23-2021	
revision		
drawn	JAB	
checked	BMT	
NO.	DATE	DESCRIPTION
1	12-3-21	ADD#1

3.61

12/2/2021 9:55:15 AM

GENERAL NOTES - FLOOR PLAN

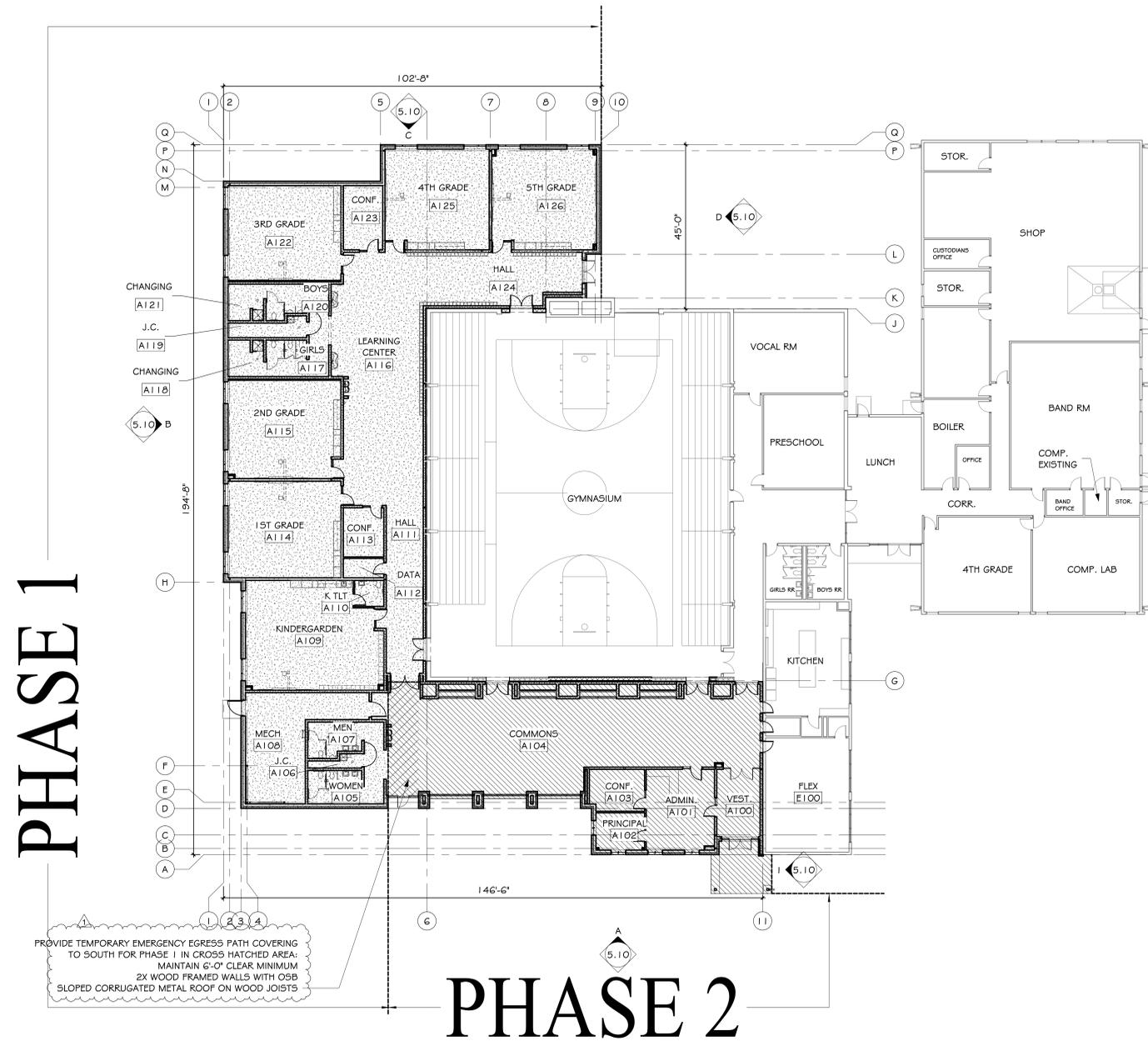
- A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
- B. INTERIOR DIMENSION STRINGS ARE FROM FACE OF MASONRY OR CENTERLINE OF STEEL STUD UNLESS NOTED OTHERWISE.
- C. REFER TO SHEET 1.10 FOR INTERIOR WALL TYPES.
- D. WHERE WALLS WERE REMOVED, PATCH EXISTING WALL TO MATCH ADJACENT SURFACE AND FINISH. (TYPICAL).



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1 OVERALL FLOOR PLAN
4.10 SCALE: 1/16" = 1'-0"



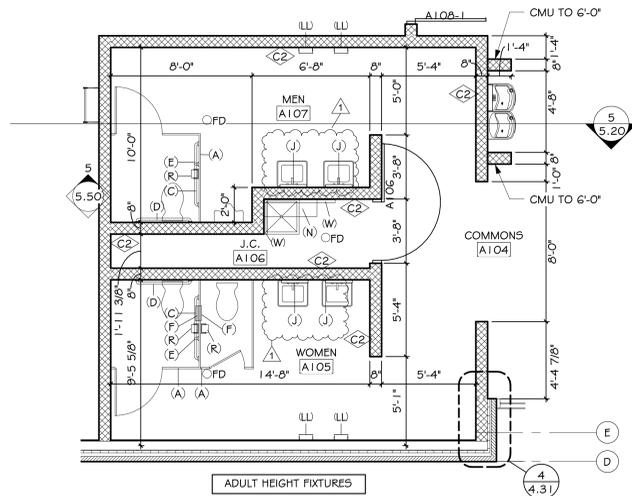
KEYPLAN

Project: CORSICA-STICKNEY ELEM. SCHOOL ADDITION

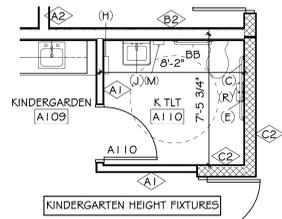
Overall Floor Plan

number	1016.2910.20	
date	Nov. 23, 2021	
revision		
drawn	Author checked SRJ	
NO.	DATE	DESCRIPTION
1	12.8.21	Addendum 1

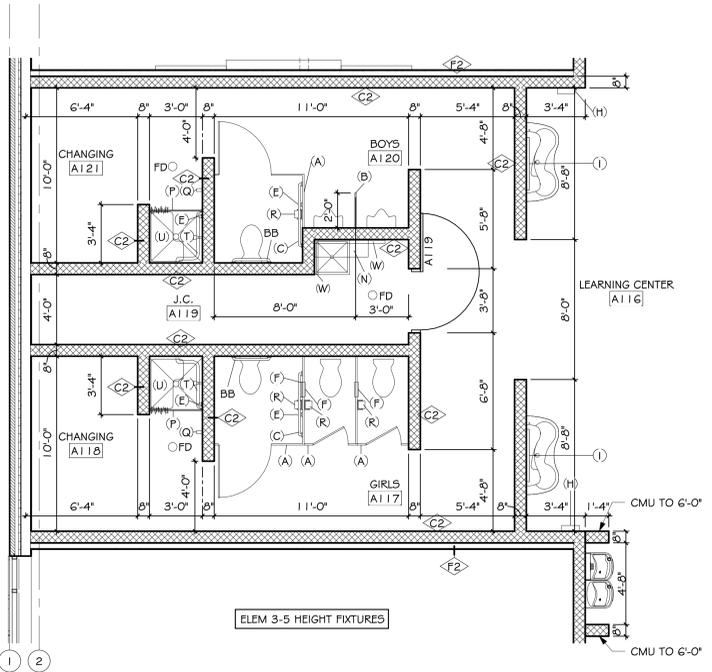
4.10



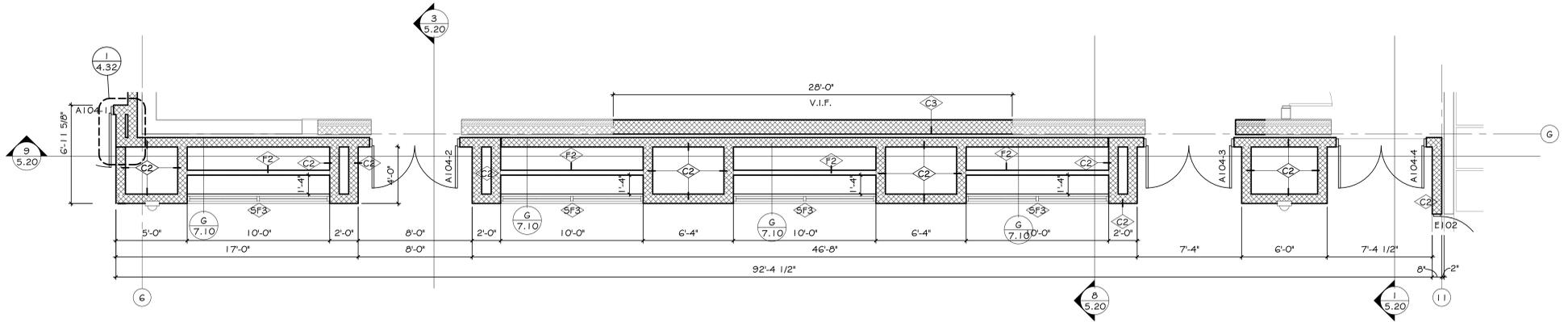
1 ENLARGED PLAN
4.41 SCALE: 1/4" = 1'-0"



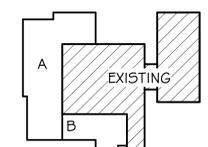
2 ENLARGED PLAN
4.41 SCALE: 1/4" = 1'-0"



3 ENLARGED PLAN
4.41 SCALE: 1/4" = 1'-0"



4 ENLARGED PLAN
4.41 SCALE: 1/4" = 1'-0"



KEYPLAN

GENERAL NOTES - ENLARGED PLANS

A. SEE SHEET 4.20 FOR FLOOR AND WALL TILE PATTERNS.

ACCESSORY NOTES

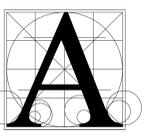
1. SURFACE MOUNTED
2. SEMI-RECESSED
3. FULLY-RECESSED
4. OWNER PROVIDED, OWNER INSTALLED
5. OWNER PROVIDED, CONTRACTOR INSTALLED
6. SEE MECHANICAL SPECIFICATION
7. SEE ACCESSORIES AND MILLWORK DETAILS
8. MOUNT VERTICALLY
9. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS

ACCESSORY SYMBOLS

(A) ACCESSORY SYMBOL

ACCESSORY SCHEDULE

MARK	ACCESSORY	NOTES
A	FLOOR MOUNTED O.H. BRACED TOILET PARTITIONS	
B	URINAL SCREEN	
BB	1 1/2" O.D. GRAB BAR 24" LONG	1
C	1 1/2" O.D. GRAB BAR 42" LONG	1
D	1 1/2" O.D. GRAB BAR 36" LONG	1
E	1 1/2" O.D. GRAB BAR 18" LONG	
F	SANITARY NAPKIN DISPOSAL	
H	PAPER TOWEL DISPENSER	
I	3'-0" X 3'-0" FRAMED MIRROR	1
J	1'-6" W X 3'-0" FRAMED MIRROR	
LL	ELECTRIC HAND DRYER	8
M	SOAP DISPENSER	1, 4
N	MOP & BROOM HOLDER/SHELF (BY M.C.)	
P	SHOWER CURTAIN WITH STAINLESS STEEL ROD	
Q	CLOTHES HOOK	
R	TOILET PAPER DISPENSER	
T	SHOWER GRAB BAR	
U	SOLID PHENOLIC FOLDING SHOWER SEAT	
W	FIBERGLASS REINFORCED PANEL	



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CORSICA-STICKNEY ELEM. SCHOOL ADDITION

ENLARGED FLOOR PLANS

Project: 1016.2910.20

number: 1016.2910.20

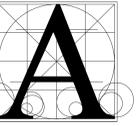
date: Nov. 23, 2021

revision:

drawn: KB checked: SJ

NO.	DATE	DESCRIPTION
1	12.8.21	Addendum 1

4.41



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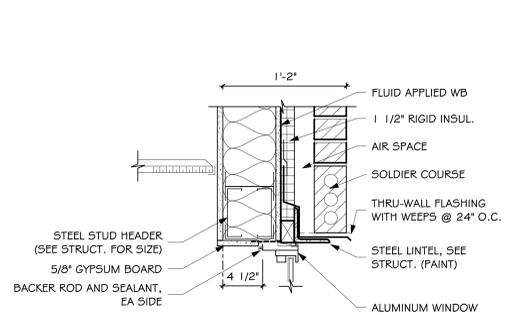
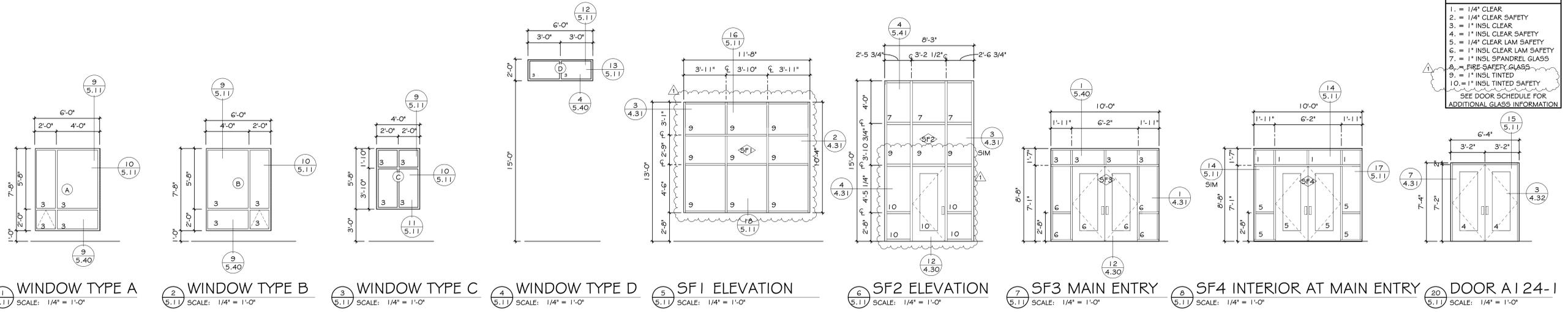
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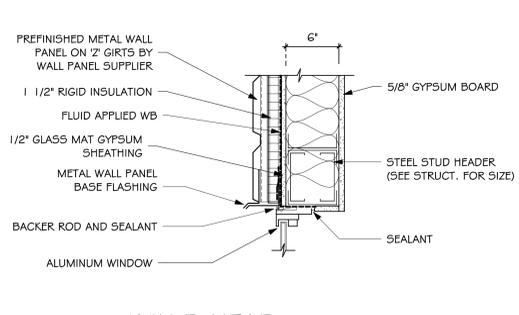


12/08/2021

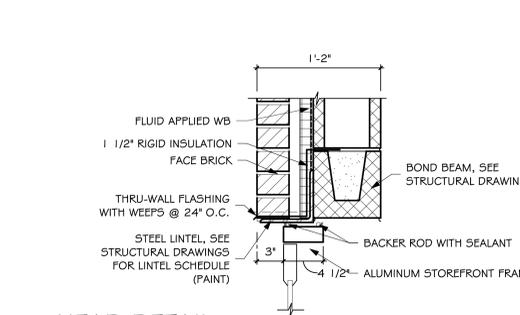
GLASS LEGEND	
1.	1/4" CLEAR
2.	1/4" CLEAR SAFETY
3.	1" INSL CLEAR
4.	1" INSL CLEAR SAFETY
5.	1/4" CLEAR LAM SAFETY
6.	1" INSL CLEAR LAM SAFETY
7.	1" INSL SFANDREL GLASS
8.	FIRE SAFETY GLASS
9.	1" INSL TINTED
10.	1" INSL TINTED SAFETY
SEE DOOR SCHEDULE FOR ADDITIONAL GLASS INFORMATION	



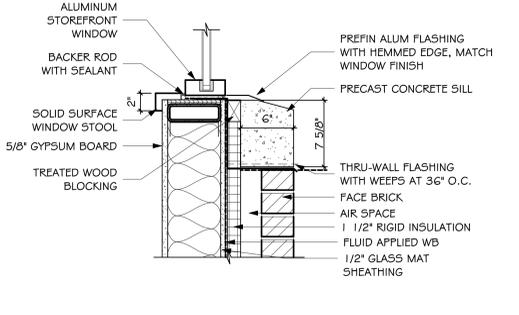
9 WIN A,B,C HEAD
SCALE: 1/2" = 1'-0"



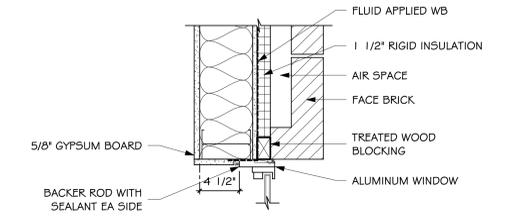
12 WIN D HEAD
SCALE: 1/2" = 1'-0"



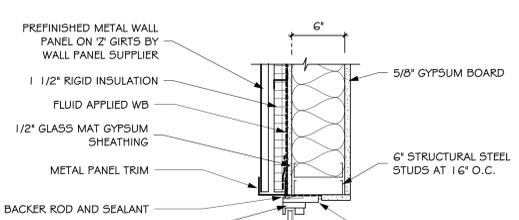
15 HEAD DETAIL
SCALE: 1/2" = 1'-0"



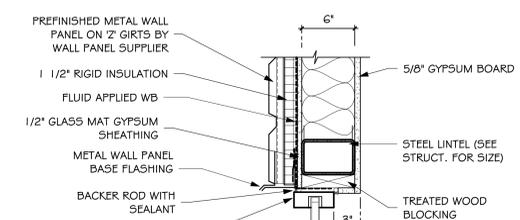
18 WINDOW SILL SF1
SCALE: 1/2" = 1'-0"



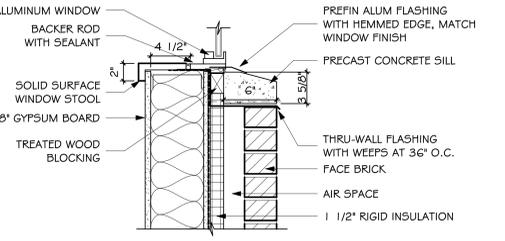
10 WIN A,B,C JAMB
SCALE: 1/2" = 1'-0"



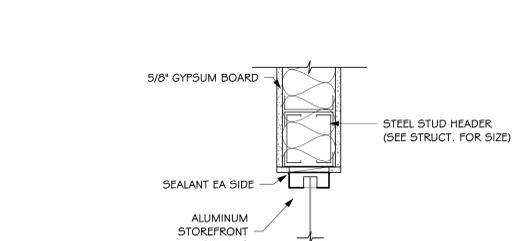
13 WIN D JAMB
SCALE: 1/2" = 1'-0"



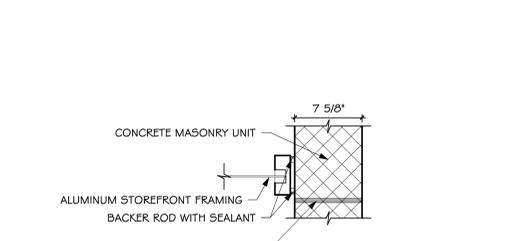
16 HEAD DETAIL
SCALE: 1/2" = 1'-0"



11 WINDOW SILL
SCALE: 1/2" = 1'-0"



14 SF4 HEAD/JAMB SIM
SCALE: 1/2" = 1'-0"



17 SF4 JAMB
SCALE: 1/2" = 1'-0"

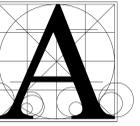
CORSICA-STICKNEY ELEM. SCHOOL ADDITION
WINDOWS AND STOREFRONTS

number	1016.2910.20	
date	Nov. 23, 2021	
revision		
drawn	Author	
checked	Checker	
NO.	DATE	DESCRIPTION
1	12.8.21	Addendum 1

5.11

GENERAL NOTES - MILLWORK

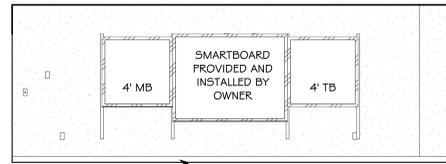
- A. GENERAL CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS AT THE JOB SITE AND NOTIFY ARCHITECT OF DISCREPANCIES.
- B. PROVIDE FINISHED END PANELS AT ALL EXPOSED MILLWORK SURFACES.
- C. PROVIDE SCHEDULED BASE AT BASE CABINETS UNLESS NOTED OTHERWISE. REFER TO ROOM FINISH SCHEDULE FOR SCHEDULED BASE MATERIAL.
- D. PROVIDE 1 INCH THICK PARTICLE BOARD CORE SHELVES AT ALL CABINETS OVER 30 INCHES WIDE.
- E. PROVIDE CHAIN STOPS AT END CABINET DOORS.
- F. MILLWORK SUPPLIER SHALL PROVIDE FILLER PANELS AND SCRIBE STRIPS WHERE NEEDED FOR COMPLETE INSTALLATION.
- G. PROVIDE GROMMETS AT ALL KNEE SPACES UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH THE OWNER.
- H. COORDINATE DEVICE PENETRATIONS IN CABINETS AND COUNTERTOPS WITH MECHANICAL AND ELECTRICAL SUBCONTRACTORS.
- I. PROVIDE LOCKABLE DOOR PANEL AT CASEWORK MARKED WITH *** (ASTERISK) ON THE ELEVATIONS.



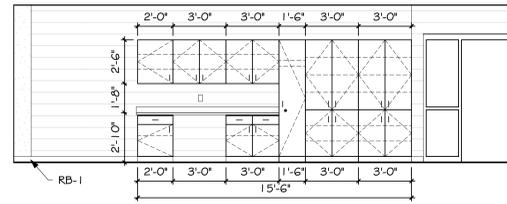
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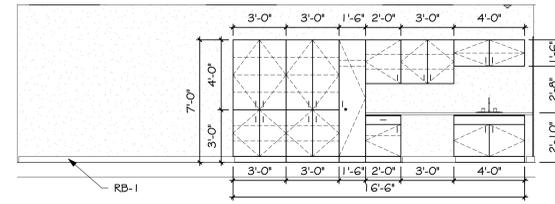
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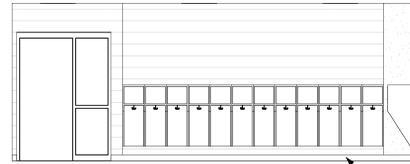
A TYP. TEACHING WALL
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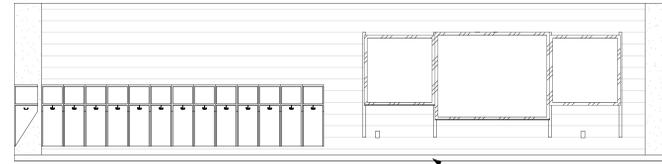
B TYP. CLASSROOM CASEWORK
SCALE: 1/4" = 1'-0"



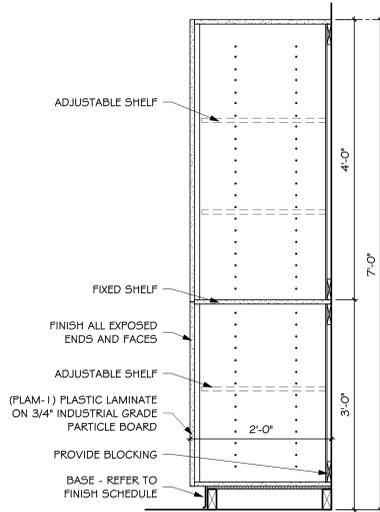
C KINDERGARTEN CASEWORK
SCALE: 1/4" = 1'-0"



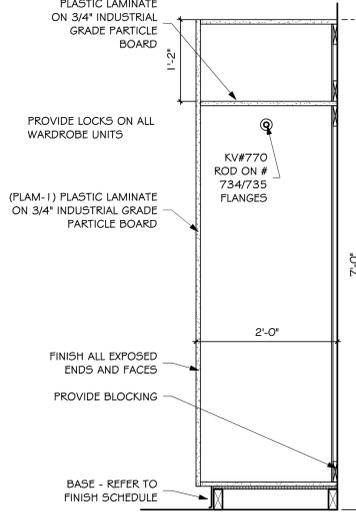
D KINDERGARTEN CUBBIES
SCALE: 1/4" = 1'-0"



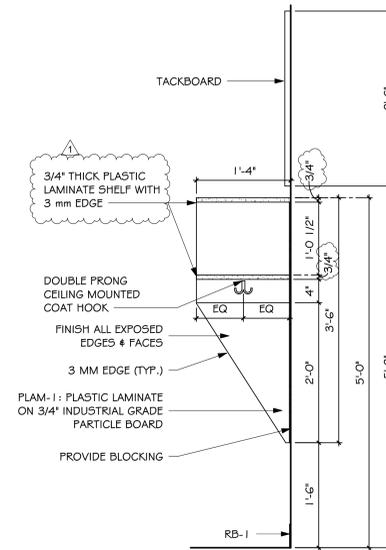
E KINDERGARTEN TEACHING WALL
SCALE: 1/4" = 1'-0"



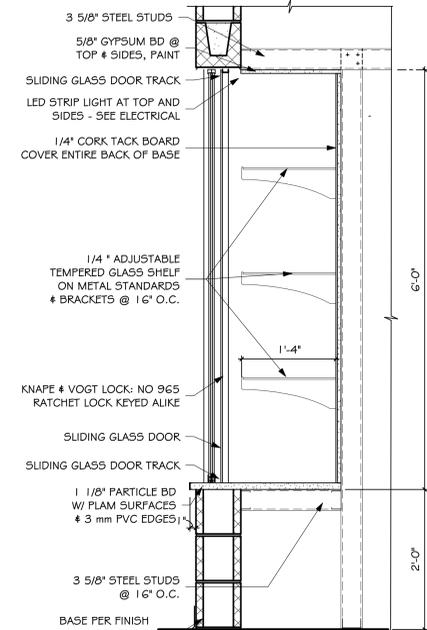
H TALL STORAGE
SCALE: 1" = 1'-0"



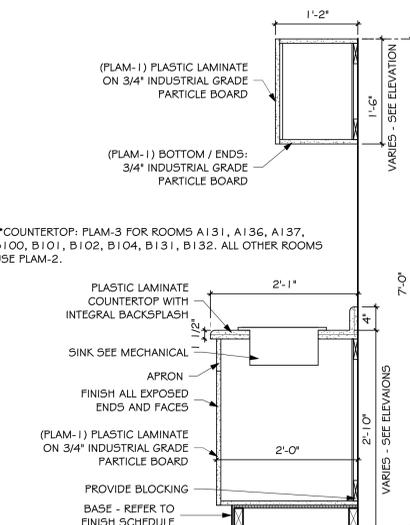
I TALL STORAGE - WARDROBE
SCALE: 1" = 1'-0"



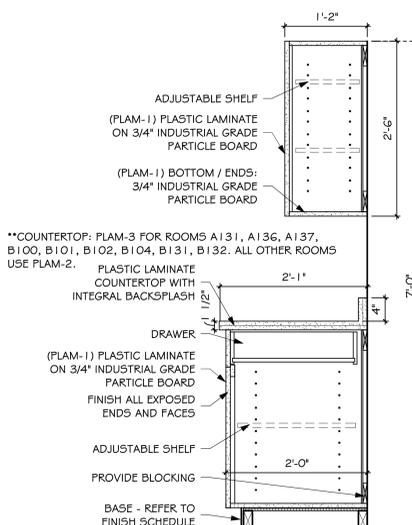
F CUBBIE
SCALE: 1" = 1'-0"



G DISPLAY CASE
SCALE: 1" = 1'-0"



J BASE - SINK / UPPER
SCALE: 1" = 1'-0"



K BASE/WALL - TYPICAL
SCALE: 1" = 1'-0"

TYPICAL COUNTERTOP	
BACKSPLASH EDGE: 3MM SPECIFICATIONS OR EQUAL	PROFILES: STRAIGHT EDGE OR EQUAL
KINDERGARTEN COUNTERTOP	
BACKSPLASH EDGE: HALF BULLNOSE OR EQUAL	PROFILES: HALF BULLNOSE EDGE OR EQUAL

L COUNTERTOP DETAILS
SCALE: 1/4" = 1'-0"

number	1016.2910.20	
date	Nov. 23, 2021	
revision		
drawn	Author checked SRJ	
NO.	DATE	DESCRIPTION
1	12.8.21	Addendum 1

ADDENDUM M1

CORSICA –STICKNEY ELEM. SCHOOL ADDITION
CORSICA-STICKNEY SCHOOL DISTRICT 21-3
STICKNEY, SOUTH DAKOTA

December 8, 2021

Associated Consulting Engineering, Inc.
340 South Phillips Avenue
Sioux Falls SD 57104-6910

SCOPE OF THIS ADDENDUM:

The following becomes a part of the original Drawings and Project Manual, taking precedence over those items that may conflict.

The Bidder shall note receipt and make acknowledgment of this addendum on the bid form, incorporating its provisions in their bid.

This addendum has been issued to all bidders and to all others to whom Drawings and Project Manuals have been issued by the office of the Architect/Engineer.

SPECIFICATION ITEMS: - Add to specification section 230800

FABRIC DUCT SYSTEM:

Furnish and install a fabric duct distribution system as shown on the Drawings.

Product must be Classified by Underwriter's Laboratories in accordance with the 25/50 flame spread / smoke developed requirements of NFPA 90-A and are also classified in accordance with ICC Evaluation Service AC167.

All product sections must be labeled with the logo and classification marking of Underwriter's Laboratories.

Manufacturer must have documented design support information including duct sizing, vent and orifice location, vent and orifice sizing, length, and suspension. Parameters for design, including maximum air temperature, velocity, pressure and fabric permeability, shall be considered and documented.

Manufacturer shall provide a 5 Year Product Warranty for products supplied for the fabric portion of this system as well as a Design and Performance Warranty.

Air diffusers shall be constructed of a woven fire retardant fabric complying with the following physical characteristics:

1. Fabric Construction: 100% Flame Retardant
2. Weight: 5.2 oz. /yd² per ASTM D3776
3. Color: Selected by architect.

4. Air Permeability: 2 (+2/-1) cfm/ft² per ASTM D737, Frazier
5. Temperature Range: 0 degrees F to 180 degrees F
6. Fire Retardancy: Classified by Underwriters Laboratories in accordance with the requirements of NFPA 90-A and AC-167 (noted above).

Air dispersion shall be accomplished by linear vent and permeable fabric. Linear vent is to consist of an array of open orifices rather than a mesh style vent to reduce maintenance requirements of mesh style vents. Linear vents should also be designed to minimize dusting on fabric surface.

Size of and location of linear vents to be specified and approved by manufacturer.

Inlet connection to metal duct via fabric draw band with anchor patches as supplied by manufacturer. Anchor patches to be secured to metal duct via zip screw fastener – supplied by contractor.

Inlet connection includes zipper for easy removal / maintenance.

Lengths to include required zippers as specified by manufacturer.

System to include Adjustable Flow Devices to balance turbulence, airflow and distribution as needed. Flow restriction device shall include ability to adjust the airflow resistance from 0.06 – 0.60 in w.g. static pressure.

Fabric system shall include connectors to accommodate suspension system listed below. Any deviation from a straight run shall be made using a gored elbow or an efficiency tee. Normal 90 degree elbows are 5 gores and the radius of the elbow is 1.5 times the diameter of the fabric duct system.

Fabric systems shall be designed for 0.5” inch water gage.

Fabric systems shall be limited to design temperatures between 0 degrees F and 180 degrees F (-17.8 degrees C and 82 degrees C).

Design CFM, static pressure and diffuser length shall be designed or approved by the manufacturer.

The suspension system shall include a double (2 Row) runs of aluminum H-Track system located 1.5’ above the 10 and 2 o’clock (2 Row) locations of the system. 2 Row supports are required for systems of 32” diameter and larger. Hardware to include 10’ sections of track, splice connectors, track endcaps and vertical cable support kits – consisting of a length of cable with a locking stud end and Gripple quick cable connectors. Radius aluminum track must be included for all radius sections.

Fabric / Track attachment:

- a. Cord In continuous supporting cord (not suggested for systems >24” Dia.)
- b. Snap Tabs are a detachable sliding tab positioned every 24” along the length of the system (all diameters).
- c. Install chosen suspension system in accordance with the requirements of the manufacturer. Instructions for installation shall be provided by the manufacturer with product.

Clean air handling unit and ductwork prior to the fabric duct system unit-by-unit as it is installed. Clean external surfaces of foreign substance which may cause corrosive deterioration of facing.

Temporary Closure: At ends of ducts which are not connected to equipment or distribution devices at time of ductwork installation, cover with polyethylene film or other covering which will keep the system clean until installation is completed.

If fabric duct systems become soiled during installation, they should be removed and cleaned following the manufacturers standard terms of laundry.

Fabric duct systems shall be Air Distribution Concepts, Duct Sox or equal.

AIR PURIFICATION SYSTEM:

(Applicable to RTU-1 & 2, and RTU-2 ALT.)

Air purifier shall be fabricated by companies whose primary business expertise is the manufacture of commercial and industrial-quality bipolar ionization air purifiers. The manufacturer shall have been in continuous operation for a minimum of ten (10) years. All products shall be manufactured in the USA and a certificate of origin be provided if requested.

Manufacturer must furnish a two (2)-year manufacturer's warranty against manufacturing defects for all systems and components. Warranty period shall initiate upon final acceptance of systems by owner.

A qualified representative from the manufacturer shall be available to inspect the installation of the air purification system to ensure installation in accordance with manufacturer's recommendation.

Needlepoint Ion generators, direct current (DC) ion generators, and uni-polar ion devices shall not be acceptable due to unproven measured contaminant reductions and no form of real-time measurement and verification of indoor air quality contaminants.

All technologies that do not address gas disassociation such as UV Lights, Powered Particulate Filters and/or polarized media filters shall not be considered.

Projects designed using ASHRAE Standard 62.1 IAQ Procedure shall require the manufacturer to provide Indoor Air Quality calculations using the formulas within ASHRAE Standard 62.1- 2013 to validate acceptable indoor air quality at the quantity of outside air scheduled with the technology submitted. Test must be stamped by a licensed professional engineer prior to submission. Results must be submitted to engineer validating performance reductions versus contaminants of concern.

The Air Purification Technology shall have been tested to prove conformance to UL 867-2013 including the ozone chamber test and peak ozone test for all electronic air cleaning devices.

System commissioning shall include ion level measurements to ensure that these design increase levels have been achieved. The acceptable air ionization level increase in such areas shall be between 500 and 1,500 ions per cubic centimeter as measured by an Alpha Labs air ion counter model AIC 2.

All units must have IP66 certifications.

Submit manufacturers technical product for each bipolar ionization air purifier, including the following:

Specification sheets for each type of bipolar ionization system and accessories indicating construction sizes and mounting details; schedule of bipolar ionization systems indicating: model number, quantity of each system required for each unit, tube quantity, rated CFM, system served, space type; IOM; Performance data; Installation drawings; Electrical Requirements; ASRHAE 62.1 IAQ calculations.

The bipolar ionization air purifiers shall have been independently tested by a third-party to ANSI/AHAM AC-1-2002 and provide a minimum Clean Air Delivery Rate (CADR) performance of 125 Dust CADR and 190 Mold CADR. Any bipolar ionization system not tested or rated above a 100 CADR is not allowed.

Each bipolar ionization air purifier shall be capable of effectively reducing and/or agglomerating microorganisms throughout the ductwork and interior occupied spaces served by the bipolar system (including mold, bacteria, vapors, viruses and other airborne particulates), controlling gas-phase contaminants including Volatile Organic Compounds (VOC's) generated from human occupants, building structure and furnishings, and reducing static space charges.

Each bipolar ionization manufacturer must have third party laboratory testing results proving contaminant reductions against VOCs and TVOC (90% efficiency), MS2 (>95% efficiency), Staph (>95% efficiency), E. Coli (>95% efficiency), Dust-Particulate Matter 0.3 (>86% efficiency), Mold (>90% efficiency), and C. Dificile (>95% efficiency). Manufacturer shall furnish these reports on request.

Manufacturer must provide third party ozone testing from 10 locations where technology is installed. Manufacturer must provide third party proof that there is no measurable increase in ozone levels within the space.

Each bi polar ionization system must have a dynamic ion switch giving the owner the ability to increase or decrease bipolar ionization levels. Each system must have five ionization settings.

Field Performance. The Bi Polar Ionization system manufacturer shall produce five documented installation references including client contact information with the following criteria.

1. Systems shall have operated continuously for a minimum of 3 years.
2. Installations must be greater than 10,000 CFM serving office or healthcare spaces.
3. Systems shall have a documented ability to reduce volatile organic compound (TVOC levels), particulate (PM) levels, and not increase ozone (O3) in both before and after installation results from air testing completed within the occupied space. Results must include real-time performance results on Particulate Matter 2.5 (PM2.5), Total Volatile Organic Compounds (TVOC), and ozone (O3).

Ionization tubes must be constructed from durable, shatterproof composite material, not glass. Composite tubes must be able to last for 17,600 hours or more. Glass tubes are not be permitted due to potential of shatter caused by vibration. Tube must retain 90% of ion output efficiency at 17,600 hour mark.

System must include airflow proving switches to energize and de-energize units based on airflow. Continuous operation of units is not acceptable.

System to have means of disconnect within line of site of unit.

Systems that are installed inside of an enclosed section of an air handling unit shall be controlled by a door switch on the air handling unit. Plenum rated cords are to be used in situation when the cord is exposed to system airflow.

Systems to be install in the supply duct/plenum of each air handling unit. Installation prior to filters or coils is not acceptable.

DRAWING ITEMS:

8.40 – FIRST FLOOR PLAN – VENTILATION & A/C

ALTERNATE #3

RTU-2: Provide Deduct Alternate to eliminate air conditioning in the gym ventilation equipment replacement.

1. Provide RTU-2 ALT. in lieu of RTU-2. See attached Rooftop Unit Schedule.
2. Provide 30/36 supply and return air duct in lieu of 30/24.
3. Provide 38” fabric duct in lieu of 30”.
4. Provide 30” fabric duct in lieu of 24”.

8.50 – MECHANICAL SCHEDULES

ROOFTOP UNIT SCHEDULE –

1. Added RTU-2 (ALT). See attached schedule.
2. RTU-1 shall have a minimum SCCR of 12kA.
3. RTU-2 shall have a minimum SCCR of 5kA.

SUBSTITUTIONS AND PRODUCT OPTIONS

The following material or equipment furnished by the manufacturers listed may be substituted as equal, providing that each item, material, and piece of equipment conforms to the design and requirements of the Drawings and Project Manual.

<u>SECTION</u>	<u>ITEM</u>	<u>MANUFACTURER*</u>
220400	Flush Valves	American Standard
220400	Sensor Faucet	American Standard
220400	Expansion Tank	Watts Regulator
220600	Expansion Tank	American Wheatley
220600	Gas Vent System	Z-Vent
230800	Rooftop Air Conditioning Units	Greenheck
230800	Fabric Duct	Prihoda
230800	Variable Frequency Drives	Schneider Electric

END OF ADDENDUM

ROOFTOP UNIT SCHEDULE

UNIT NO.	MANUF.	MODEL NO.	SUPPLY FAN					EXHAUST FAN				ELECT.			
			CFM	O/A CFM	ESP	MHP	BHP	CFM	ESP	MHP	BHP	VOLT	PH	MCA	MOCF
RTU-1	VALENT	VXE-312-74-30L-30I	11,000	2,500	3.0	7.5(x2)	5.24(x2)	2500	0.5	5(x2)	0.26(x2)	208	3	204	250
RTU-2	VALENT	VX-212-20I	6,500	2,565	2.0	7.5(x2)	5.91(x2)	2,565	0.5	5(x2)	0.38(x2)	208	3	113.4	125
RTU-2(ALT)	CARRIER	39MW25W	12,600	2,565	1.5	10	7.5	12,600	0.7	7.5	6.8	208	3	38/26	60/45

- REMARKS:
1. HEATING COIL CAPACITIES ARE BASED ON 70% WATER/30% PROPYLENE GLYCOL.
 2. DIRECT DRIVE PLENUM SUPPLY AND EXHAUST FANS CONTROLLED BY FACTORY MOUNTED VFD'S.
 3. ESP INCLUDES AN ALLOWANCE OF 0.5" FOR DIRTY FILTERS.
 4. PROVIDE FACTORY MOUNTED ELECTRICAL DISCONNECT.
 5. PROVIDE 18" INSULATED ROOF CURB WITH SOUND ISOLATION (SEE DETAIL).
 6. PROVIDE FACTORY MODULATING HOT GAS REHEAT.
 7. UNIT CONSTRUCTION SHALL BE DOUBLE WALL WITH MINIMUM 2 INCH 2.4# R13 FOAM INSULATION AND HAIL GUARDS.
 8. PROVIDE WITH FACTORY 0-100% REFERENCE ENTHALPY ECONOMIZER AND POWERED EXHAUST AND LOW LEAK DAMPERS.

ROOFTOP UNIT SCHEDULE (CONTINUED)

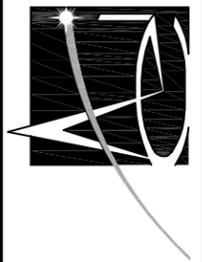
COOLING CAPACITY						AMB. TEMP	HOT GAS REHEAT			HEATING CAPACITY							FILTER				OPER. WT(LBS)	REMARKS		
MBH	EAT	LAT	FV	EER	STEPS		MBH	LAT	STEPS	MBH	EAT	LAT	FV	APD	EWT	LWT	GPM	WPD	EFF.	MAX FV			APD	THICK
364	75.4/62.6	51.4/51.3	327	9.8	INVERTER SCROLL	95	261.5	73.8	MODULATING	394.5	67.7	100.9	380	0.041"	190	164	32	16'	MERV 8	400	0.05"	2"	7267	ALL
269	82.9/67.8	55.4/55.0	321	11	INVERTER SCROLL	95	143.2	75.8	MODULATING	466.4	37.7	103.9	709	0.31"	190	155	28	1.7'	MERV 8	400	0.05"	2"	4435	ALL
---	---	---	---	---	---	---	---	---	---	830.3	40	97.4	516	0.24"	190	160	58	12.6'	MERV 8	400	0.05"	2"	6782	1,2,3,4,5,7,8

RTU-1 ENERGY RECOVERY WHEEL

SUMMER ENERGY RECOVERY WHEEL PERFORMANCE					WINTER ENERGY RECOVERY WHEEL PERFORMANCE				
OUTSIDE AIR DB/WB	SUPPLY AIR DB/WB	RETURN AIR DB/WB	EXHAUST AIR DB/WB	ASHRAE 90.1 RATIO	OUTSIDE AIR DB/WB	SUPPLY AIR DB/WB	RETURN AIR DB/WB	EXHAUST AIR DB/WB	ASHRAE 90.1 RATIO
94/73	77/63.7	75/62.3	91.8/71.9	88.7	-13.7/-14.5	60.1/48.3	70/54	-3.1/-3.2	87.3

PROJECT
CORSIKA-STICKNEY ELEM. SCHOOL ADDITION
MECHANICAL SCHEDULES

Associated Consulting Engineering, Incorporated



ADDENDUM #E1

Corsica-Stickney Elem. School Addition
Stickney, SD

Date: December 8, 2021

Associated Consulting Engineering, Inc.
340 South Phillips Avenue
Sioux Falls SD 57104-6910

SCOPE OF THIS ADDENDUM:

The following becomes a part of the original Drawings and Project Manual, taking precedence over those items that may conflict.

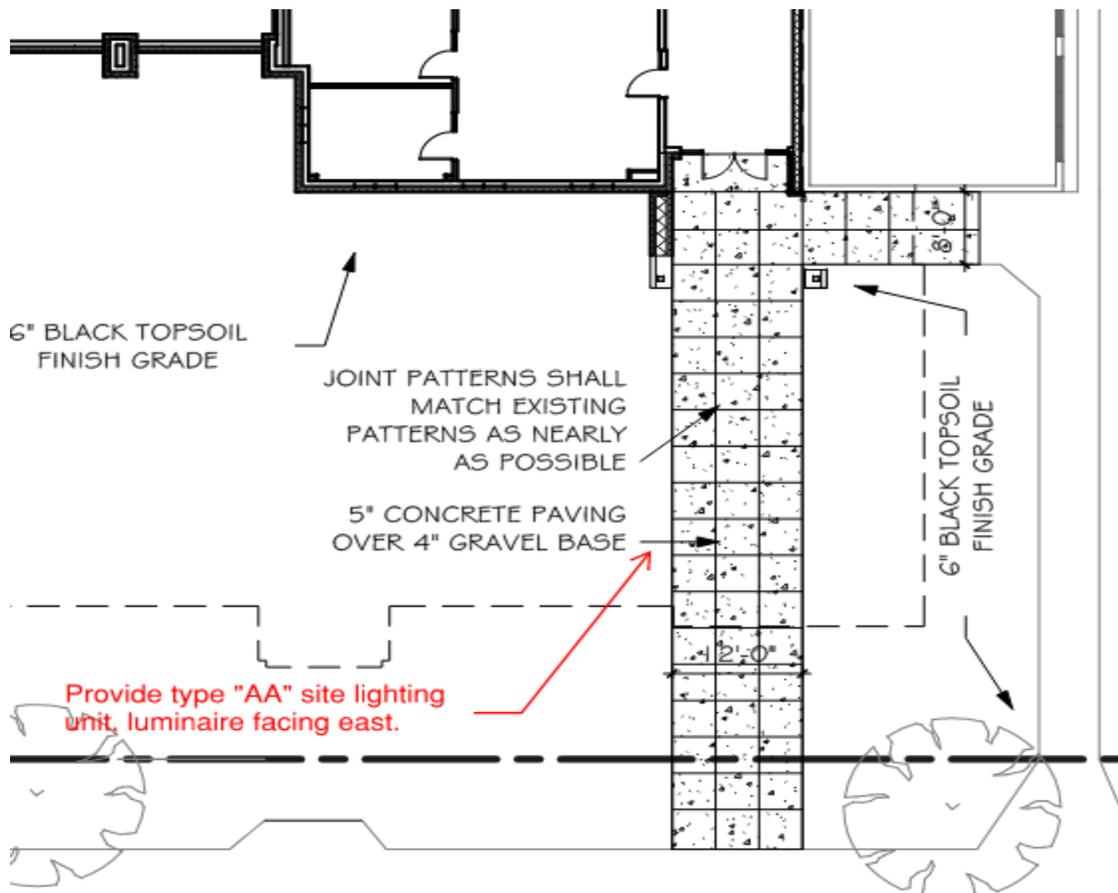
The Bidder shall note receipt and make acknowledgment of this addendum on the bid form, incorporating its provisions in their bid.

This addendum has been issued to all bidders and to all others to whom Drawings and Project Manuals have been issued by the office of the Architect/Engineer.

DRAWING ITEMS:

DRAWING SHEET 9.30 – FIRST FLOOR PLAN – LIGHTING

1. Exterior: Provide a type “AA” site lighting at the south entry at the location shown below. Connect to the type “Y” building mounted luminaire to the north.



DRAWING SHEET 9.31 – FIRST FLOOR PLAN – POWER & SIGNAL

1. Exterior: The utility transformer shall be located southeast of the shown location (north side of the transformer 10'-6" south of the door into room A108, east side of the transformer 5' from the building, front facing west).
2. The scale for the enlarged mechanical A108 plan shall be 1/4" = 1' in lieu of 1/8" = 1'.

DRAWING SHEET 9.40 – ELECTRICAL SYMBOLS AND ABBREVIATIONS

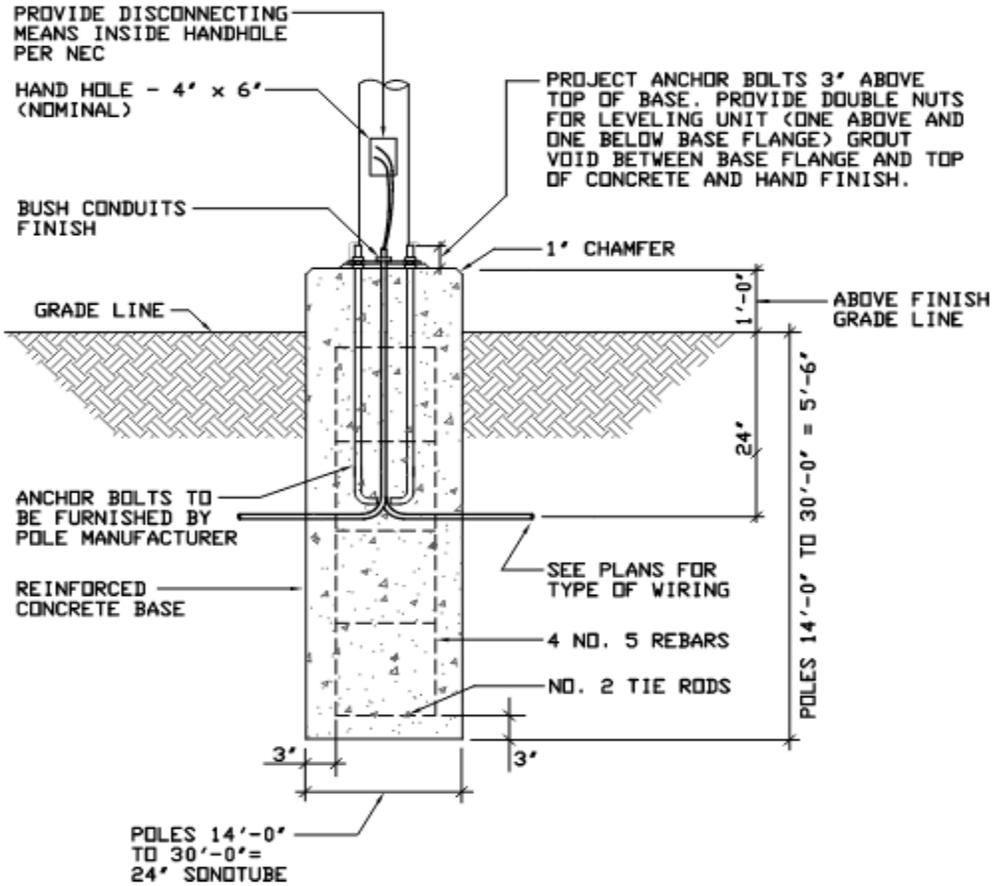
1. Power Riser Diagram: The service size from the CT cabinet to main disconnect switch "MDS-SB" shall be 450 in lieu of 400. The feeder size from "MDS-SB" to the existing main switchboard "MSB" shall be 450 in lieu of 400.
2. Power Riser Diagram: The available fault current at "MDP" is 16,000A. The available fault current at "DS-MSB" is 14,500A.
3. Equipment Schedule: Under alternate #3, the RTU-2 will have two power connections (MCA's of 38 and 26 amps in lieu of the scheduled 114 amps).
4. Lighting Fixture Schedule: Add type "AA" site lighting unit (equal to NLS NV-1-T2-32L-1-40K-UNV-DPS3-BRZ-RPA4 with RSSP-20-4R-11G-9BC-SGL-BRZ-3430-VD).

DRAWING SHEET 9.41 – ELECTRICAL SCHEDULES

1. Main Distribution Panel "MDP": Under alternate #3, provide two circuit breakers (60A/3P and 45A/3P) in lieu of the 125A/3P circuit breaker to feed RTU-2.
2. Main Distribution Panel "MDP" shall have a minimum AIC rating of 16,000A.
3. Panel "L1" shall have a minimum AIC rating of 14,000A. The two 15A/2P circuit breakers feeding the boilers shall be shunt trip circuit breakers.

DRAWING SHEET 9.42 – ELECTRICAL DETAILS

1. Add the pole base detail shown below.



SHORT POLE BASE DETAIL

NO SCALE

SUBSTITUTIONS AND PRODUCT APPROVALS:

The following material or equipment furnished by the manufacturer's listed, may be substituted as equal providing that each item, material, and piece of equipment conforms to the design and requirement of the drawings and project manual.

<u>SECTION</u>	<u>ITEM</u>	<u>MANUFACTURER</u>
265110	Interior Lighting	
	Type A Series	Elite, RAB
	Type B Series	Lithonia, RAB
	Type D	Lithonia
	Type E, E1, E2, E3, E4, E5, E6	Emergency, Mule
	Type H Series	Lithonia
	Type K#, K#E	Peerless
	Type N	Novaflexled, Xicato
	Type R, RE	Halo, SSL
	Type Y	McGraw-Edison, Lithonia
	Type Z	FC

END OF ADDENDUM



A & D's Planroom Options

- [A & D Home](#)
- [Distribution Home](#)
- [Public Jobs](#)
- [Private Jobs \(with password\)](#)
- [Calendar](#)
- [Log In](#)
- [Additional Planrooms](#)
- [State of NE Building Div. Planroom](#)

Version 6.0.11.4

- [Information](#)
- [Plan Holders](#)
- [View Plans](#)
- [Addenda](#)
- [Spec Sheets](#)

Corsica-Stickney Elementary School Addition

Puetz Design + Build has entered into a Construction Management contract with the Corsica-Stickney School District and will be bidding on this project.

Sorted By Company

Click on the following links to sort by a category

[Company](#) | [CSI Codes](#) | [Contact Name](#) | [Date](#) | [Bid Category](#)

Plan Holder List for 'Corsica-Stickney Elementary School Addition'

Company Information	CSI Codes	Contact Information	Status Date Filled Date Returned	Deliver Trackit
Architecture Incorporated 415 S. Main Avenue P.O. Box 2140 Sioux Falls, SD 57101	Architect	Jeremy Altman Phone: (605) 339-1711 Fax: (605) 339-2331	Filled 11/30/2021	Pickup
Construct Connect 30 Technology Parkway South Suite 100 Norcross, GA 30092	PLAN ROOM	Plan Acquisition Phone: (800) 364-2059 Fax: (866) 570-8187	Filled 11/30/2021	Downlc
Construction Industry Center 2771 Plant St Rapid City, SD 57701	PLAN ROOM	Kasi Kuiper Phone: (605) 343-5252 Fax: (605) 343-4591	Filled 11/30/2021	Downlc
Dodge Data / Bee Line & Blue / Des Moines 2507 Ingersoll Avenue Des Moines, IA 50312	PLAN ROOM	Elaine Wilson Phone: (515) 981-5654 Fax: (800) 768-5594	Filled 11/30/2021	Downlc
Dodge Data and Analytics 2860 S State Hwy 161 Ste 160 #501 Grand Prairie, TX 75052	PLAN ROOM	Swamynathan K Phone: (413) 376-7032 Fax: (609) 336-2767	Filled 12/02/2021	Downlc
Midwestern Mechanical Inc. 4105 N Lewis Ave. Sioux Falls, SD 57104	Plumbing & Heating	Stacie Sechser Phone: (605) 339-3963 Fax: (605) 338-1195	Filled 12/02/2021	Downlc
Plains Builders Exchange 220 North Kiwanis Ave. Sioux Falls, SD 57104	PLAN ROOM	Andrea Pudwill Phone: (605) 334-8886 Fax: (605) 334-0112	Filled 11/30/2021	Downlc
Puetz Design + Build 800 North Kimball Street Mitchell, SD 57301	Project Manager	Paul Williams Phone: (605) 996-2276 Fax: (605) 996-9126	Filled 11/30/2021	Ship - l Track It
Puetz Design + Build 800 North Kimball Street Mitchell, SD 57301	GENERAL	Jon Schmitz Phone: (605) 996-2276 Fax: (605) 996-9126	Filled 11/30/2021	Pickup
Schoenfelder Construction Inc. 3131 West Havens Mitchell, SD 57301	EXCAVATING	Cal Muilenburg Phone: (605) 996-3254 Fax: (605) 996-3254	Filled 11/30/2021	Downlc
Sioux Falls Builders Exchange 1418 C Avenue Sioux Falls, SD 57104	PLAN ROOM	Brody Hansen Phone: (605) 357-8687 Fax: (605) 357-8655	Filled 11/30/2021	Downlc
VanderPol Dragline Inc 1001 Hot Rod Road Mitchell, SD 57301	Earthwork	Bryan VanderPol Phone: (605) 996-2036 Fax: (605) 996-2662	Filled 12/01/2021	Downlc



Construction Industry Center
CIC Plan Holders List

2021-3074: Corsica-Stickney Elementary School Addition

Subcontractor

Bechen Electric, Inc.: Mitchell office	(605) 990-3169	(605) 990-3170	d.bechen@bechenelectric.com
Mitchell Plumbing & Heating Co., Inc.: Mitchell office	(605) 996-7583	(605) 996-7263	ryan.mphci@midconetwork.com
Skold Specialty Contracting: Harrisburg office	(605) 335-6444	(605) 335-6727	mitch@skoldcompanies.com

Supplier

Core & Main: Sioux Falls office	(605) 339-2814	(605) 339-2632	daniel.forsstrom@coreandmain.com
Environmental Building Systems, Inc.: Rapid City office	(605) 342-2407	(605) 342-2408	chad@ebssales.net

**Corsica - Stickney Elementary School Addn
2021-1008
Stickney, Aurora (SD)
Bid Date: 12/16/2021 - 2:00 PM**

General Contractor

[Schoenfelder Construction](#)
3131 W. Havens St.
Mitchell, SD 57301

(605) 996-3254
(605) 996-3254 FAX

Contact:

Mechanical

[Krohmer Plumbing](#)
PO Box 1264
Mitchell, SD 57301

(605) 996-2752
(605) 996-0929 FAX

Contact:
Ken Bauman
(ken@krohmerplumbing.com)

[Hander Inc P & H](#)
2407 W 5th
Sioux Falls, SD 57103-

(605) 339-9633
(605) 339-9018 FAX

Contact:
Chuck Hander (chuckh@hander.com)

[Mitchell P & H](#)
801 N. Rowley
Mitchell, SD 57301

(605) 996-7583
(605) 996-7263 FAX

Contact:
Ryan Sheesley
(ryan.mphci@midconetwork.com)



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