

Sampson Construction Co., Inc.
3730 South 14th Street
Lincoln, NE 68502
Phone: (402) 434-5450
FAX: (402) 434-5466

Bid Bulletin #01

PROJECT: Shelton Public Schools
Additions & Alterations
Shelton, NE

DATE: March 21, 2014

This Bid Bulletin includes item 1-1. Each item shall be fully incorporated into the Bidding/Contract Documents and have the same force and effect as though originally included. Bidders shall acknowledge receipt of this Bid Bulletin on their bid.

Item 1-1 Attached is Addendum #1 from Joseph R Hewgley & Associates dated 3/21/14.

END OF BID BULLETIN #01

**ADDITIONS & ALTERATIONS TO
SHELTON PUBLIC SCHOOLS
PROJECT NO. R-21113**

This Addendum to the drawings and specifications for the above project, is issued to all known plan holders at the time this addendum is issued. The Architect, however, cannot guarantee all plan holders will receive such Addendum and will not be held responsible for assuring the delivery of such Addendum. All contractors submitting bids shall note receipt of this and any additional Addendum on the bid form. This Addendum shall become a part of the contract documents, as if attached thereto.

Architectural Specifications:**A1: Section 00 13 40 – Submittals and Substitutions**

- a. Under the requirements outlined in the above referenced section, the following items have been approved to bid. All approved manufacturers must meet or exceed that specified.
 1. 07 21 10 – Building Insulation: Firestone Enverge C1 foil
 2. 07 27 60 – Fluid Applied Weather Barrier: VaporShield Wray Shield SA System
 3. 08 10 00 – Metal Doors and Frames: Curries/ Metal Doors and Hardware Co.
 4. 08 21 10 – Flush Wood Doors: VT/Metal Doors and Hardware Co.
 5. 09 64 66 – Wood Gymnasium Flooring: Connor Anchored Rezilt Sleeper DIN, and Laminated Sleeper System -Horner Flooring Co.
 6. 09 90 00 – Painting: Valspar approved for structural steel primer
 7. 11 66 23 – Gymnasium Equipment: AALCO Manufacturing/Sportscon LLC, ADP LEMCO Inc.
 8. 12 66 00 – Telescoping Stands: Irwin Telescoping Seating 4500 Series with Infinity Seating Module
 9. 13 34 19 – Metal Building Systems: B & C Steel

A2: Section 07 21 00 – Building Insulation

- a. Page 1, Part 2-Products; 2.1 Materials (A). Add to list, Item 8. To read 6" + 3-1/2" thick fiberbatts with insulation value of R-35 minimum, appropriate tape used in conjunction with this system at all locations. 3-1/2" insulation to be used above roof purlins. Simple Saver system to be used in gymnasium and all other areas where roof insulation is exposed.

A3: Section 07 41 10 – Manufactured Roof Panels and Section 07 41 20 – Manufactured Wall Panels

- a. Delete all reference to both sections. Refer to Section 13 34 19 – Metal Building System for the wall and roof panels.

A4 : Section 07 53 00 – Single Ply Membrane Roofing System

- a. Page 2, 2.2 Insulation Materials: In lieu of 3-1/2" of isocyanurate provide 5" minimum. Mechanically attach the insulation board to the deck.
- b. Disregard the need for 5/8" GPDW over new deck if polyiso board provides a Class B rating.
- c. Provide 4' strip of 5/8" GPDW Type-X on existing deck side as shown on roofing plans.

A 5: Section 07 92 00 – Sealant and Caulking

- a. Interior Joints: In horizontal traffic surfaces provide urethane. In vertical surfaces and horizontal non-traffic surfaces provide latex.

- b. Exterior joints: In vertical surfaces and horizontal non-traffic areas provide silicone.
 - c. Mildew resistant joints provide silicone.
- A6: Section 08 71 00 – Hardware
- a. Delete reference to the hardware schedule in the specifications. Refer to the attached revised hardware schedule.
- A7: Section 08 71 13 – Power Door Operators
- a. Include the attached specification Section 08 71 13 – Power Door Operators into the construction documents.
- A8: Section 09 84 00 – Acoustical Wall Treatment
- a. Include the attached specification Section 09 84 00 – Acoustical Wall Treatment (Tectum) into the construction documents.
- A9: Section 12 66 00 – Telescoping Stands
- a. Page 3, 2.2 Telescoping Stands (B) (2): Provide 26” row spacing in lieu of 28” shown.
 - b. Page 4, 2.3 Components (A) (4): Remove the need for folding backseats attached to bench units. Provide contoured seal with no back.
 - c. Page 5, 2.4 Accessories (B) (2): Disregard the need for back panels as there are no free-standing units on the project.

Mechanical Specifications:

- M1: Section 23 30 00 – Air Distribution
- a. Paragraph 2.1, A, 2; Add:
 - “l. La Pine Metal Products.”

Electrical Specifications:

- E1: Section 28 31 12 –Fire Alarm System
- a. Paragraph 2.1, A, 1; Revise sentence to read as: “Subject to compliance with these specifications, similar equipment as manufactured by Edwards System Technology, Siemens or Silent Knight may be considered as equal.

Architectural Drawing Items:

- A1: Drawing Sheet A101
- a. Provide new pair of solid core doors in Foyer 00 - #208. Provide new frame. Refer also to revised hardware schedule attached to this addenda.
 - b. Office 03 – Door #172. Swing door into office in lieu of into Hall.
 - c. Provide new 2-hour rated door openings at existing locker rooms off of Hall #112. The door opening numbers shall be #206 and #207. See new hardware schedule attached. Provide as Type A (stained) and frames as Type #1 (painted).
- A2: Drawing Sheets A101 and A102
- a. All new stud interior walls provide R-11 sound insulation in stud cavities typ at all new

offices/concession/storage rooms/ interior walls surrounding mechanical rooms / coolers. Refer to specification for insulation type.

A3: Drawing Sheet A102

- a. Room #103 – Men: Provide three urinals in lieu of two shown. Provide two water closets in lieu of three shown. Modify the toilet partitions/urinal screens accordingly. Provide one additional urinal screen and one less toilet partition.
- b. Office 01: Window #1 – Provide an additional window #1 to the west side of door #174.
- c. Office 01 / Foyer 00: Provide a new pair of solid core doors #208. Refer to new hardware schedule in addenda for hardware. Doors shall be solid core wood Type E stained with hollow metal frame type 2 painted. Provide 3-5/8" steel stud wall from floor to roof deck above with one layer of 5/8" type X GPDW. Texture and paint. Provide wall across existing hallway sound insulate wall cavity. See provided enlarged floor plan of area.
- d. Vestibule #102: Doors #145 and #162. Aluminum door manufacturer coordinate with electrical to provide electric door openers for these openings. (north leafs only). Horton Automatics, a Div. of Overhead Door Corp. shall manufacture automatic swing doors. Refer to specification Section 0871 13 included in this addenda.

A4: Drawing Sheet A131

- a. Hall #112: In lieu of SVT for flooring system, provide a sealed concrete. Continue to provide carpet on ramp and steps.

A5: Drawing Sheet A132

- a. Concessions#108: In lieu of sheet vinyl shown, provide sealed concrete.

A6: Drawing Sheet A224

- a. Office 03: Room Elevation #17/3C. Remove one (1) LSI#1072 base cabinet (right side) and provide countertop as previously shown on documents. Provide all base cabinets in Room at 30" high in lieu of 2'-10-1/2" high.
- b. Office 02: Room elevation #14/8C. Remove one (1) LSI #1072 base cabinet (left side). Provide countertop as previously shown on documents. Remove one (1) LSI #3072 wall cabinet (right side). Provide all base cabinets in room 02 at 32" high in lieu of 34-1/2".
- c. Office 01: Room elevation #19/10-b. Provide base cabinets at 2'-6" high in lieu of 2'-10-1/2" H.
- d. Office 01: Room elevation #20/9d. Provide base cabinet at 2'-6" high in lieu of 2'-10/12" high.

A7: Drawing Sheet A303

- a. Provide all interior gymnasium walls above 13'4" as per wall section/detail shown on 1/A303. Use Tectum C-40 mounting. Provide sidewall girts at 2' o.c. vertical with R-25 batt insulation in voids. Cover with 5/8" GPDW (int). Provide 2 x furring strips at 24" o.c. Provide OCF (R-8) noise barrier batts in furred voids. Cover with 1" Tectum panels.

A8: Drawing Sheet A321

- a. Wall sections, Details 1, 2, 4, 5/A321. Provide 5/8" treated plywood in lieu of 1/2" wood sheathing behind metal sidewall panels on exterior applications.

A9: Drawing Sheet A402

- a. Refer to the attached AD1-A402 Drawing Sheet for the following:

1. Enlarged central office area showing casework changes in Office 02 and 03
2. Addition of Door #208 and Window #1 into the Office 01
3. Trophy case sections and details.

A10: Drawing Sheets D101 and D102

- a. Owner would like to salvage existing cooler/freezers being removed. Contractor shall make arrangements with owner for location to move the existing cooler/freezer.

Structural and Civil Drawing Items:

S1: Drawing Sheet S101

- a. Included are two (2) 2'-0" x 2'-0" x 2'-10" deep reinforced concrete footings for the proposed aluminum canopy to be installed in front of the west entrance to the Commons Area.

C1: Drawing Sheets C100-C300-C101

- a. Refer to enclosed addenda drawing sheets C100, C300, and C101 dated 3-21-14. Modified civil plans show 6" fire main going to the new addition.

C1: Drawing Sheet C100

- a. Revisions to this sheet include revising the driveway and proposed parking lot north of the existing school. Also, two (2) proposed parking lot lights located at the south end of the west parking lot were not part of the electrical site plan and therefore shall be removed.

C2: Drawing Sheet C101

- a. Revisions include the removal of the existing asphalt driveway and subsequent concrete curb and sidewalk at the north end of the existing school. A note stating that all existing underground sprinkler system, including the heads and service lines shall be removed and relocated prior to any site demolition.

C3: Drawing Sheet C300

- a. Revisions include the removal of two (2) parking lot lights located at the south end of the west parking lot which were not part of the electrical site plan and therefore shall be removed. Also five (5) 6" diameter concrete filled pipe bollards have been spaced equally around the existing water well located at the southwest corner of the proposed parking lot.

C4: Drawing Sheet C400

- a. Revisions include the removal of the two (2) parking lot lights located at the south end of the west parking lot were not part of the electrical site plan and therefore shall be removed.

C5: Drawing Sheet C401

- a. The parking lot and driveway at the north end of the existing school has been modified. These revisions include repaving the driveway to include a through lane and an unloading lane. Also, the north parking lot has been moved approximately ten feet (10') to the south from the original design so that the existing tree line at the north side of the school can remain. This movement of the parking lot has reduced the number of stalls in this parking lot.

Mechanical Drawing Items:

M1: Drawing Sheet PL100, Foundation Plumbing - South

- a. Modify sanitary piping over to electric water cooler. Location of water cooler shifted West per Architectural Plans. See Reissued Sheet PL100 for revised piping. See Architectural Plans for new water cooler location.

- M2: Drawing Sheet PL101, Foundation Plumbing - North
- a. Modify sanitary piping over to electric water cooler. Location of water cooler shifted West per Architectural Plans. See Reissued Sheet PL101 for revised piping. See Architectural Plans for new water cooler location.
- M3: Drawing Sheet PL102, Level 1 Plumbing - South
- a. Modified domestic cold water and vent piping over to electric water cooler. Location of water cooler shifted West per Architectural Plans. See Reissued Sheet PL102 for revised piping. See Architectural Plans for new water cooler location.
- M4: Drawing Sheet PL103, Level 1 Plumbing - North
- a. Modified domestic cold water and vent piping over to electric water cooler. Location of water cooler shifted West per Architectural Plans. See Reissued Sheet PL103 for revised piping. See Architectural Plans for new water cooler location.
 - b. The eastern-most water closet WC-1 in Mens Room 103 is changed to UR-2 per the Architectural Plans. Related to that change, the UR-2 currently shown on the plans will instead be a UR-1. There are no pipe sizing changes related to this change. See Architectural Plans for new plumbing fixture configuration.
- M5: Drawing Sheet P-401, Partial Plumbing Plan – Men’s and Women’s Restroom
- a. The eastern-most water closet WC-1 in Mens Room 103 is changed to UR-2 per the Architectural Plans. Related to that change, the UR-2 currently shown on the plans will instead be a UR-1. There are no pipe sizing changes related to this change. See Architectural Plans for new plumbing fixture configuration.
- M6: Drawing Sheet P-901, Men’s and Women’s Water and Waste Riser Diagrams
- a. The eastern-most water closet WC-1 in Mens Room 103 is changed to UR-2 per the Architectural Plans. Related to that change, the UR-2 currently shown on the plans will instead be a UR-1. There are no pipe sizing changes related to this change. See Architectural Plans for new plumbing fixture configuration.

Electrical Drawing Items:

- E1: Drawing Sheet EG101, Elec. Symbols, Legend & General Notes
- a. In General Electrical Note N change 16950 to 26 09 23.
- E2: Drawing Sheet ES101, Elec. Site Plan
- a. Add the following to keynote 5; “Conduit stub ups shall be schedule 80 PVC”.
 - b. Change the two pole mounted type ‘S’ luminaires to type ‘SA’.
- E3: Drawing Sheet ED102, Level 1 Elec. Demo. - North
- a. At existing main entry delete the keypad symbol. The card reader indicated is actually a mullion mount style.
- E4: Drawing Sheet ED104, Level 1 Spec. Sys. F - Alarm Demo – No.
- a. The existing FACP is shown in the wrong location. It is located approximately 12 feet west of where shown in the room with the fixed temp heat detector.
- E5: Drawing Sheet EL101, Level 1 Lighting - South
- a. Add new keynote 5 as follows: 5. Mount this row of luminaires at 24’-3” above finished floor to bottom of luminaire.
 - b. Add new keynote 6 as follows: 6. Provide Hammond or equal Series N1WF flush mounted lockable enclosure for switches shown. Provide six (6) spare keys for enclosure. Install switches in device box with cover plate within enclosure. Wiring within enclosure shall be within conduit I.E. no exposed wiring or devices within enclosure. Arrange switches within enclosure in two rows of four switches. Label each switch with the load served. Paint enclosure to match surrounding surface.
 - c. Gymnasium, 113; Change keynote 4 to keynote 5 for the six (6) luminaires down the center of the gymnasium.

- d. Gymnasium 113; There is a type A1 luminaire near the south backboard and a type A luminaire near the north backboard. Coordinate with structure mounting requirements of backboards and move the two luminaire to the east as much as possible while still maintaining access to the luminaires. Modify height of these luminaires to be between the height of those referenced by keynotes 4 and 5.
 - e. Gymnasium, 113; Relocate switch at the southeast entry to the south wall adjacent to the double door.
 - f. Gymnasium, 113; Add keynote 6 symbol to the eight toggle switches located at the east end of the north wall.
- E6: Drawing Sheet EL102, Level 1 Lighting - North
- a. At the exterior of the main entry change two (2) type W luminaires to type W2. Relocate one luminaire so that one luminaire is centered above each of two sets of double doors. Mount each luminaire at 8'-6" A.F.F. to center of luminaire.
 - b. At exterior of main entry mount the type ER luminaire at 9'-0" A.F.F. to center.
 - c. Add one (1) type W luminaire at 12'-6" A.F.F. on exterior outside of Commons room 106. Luminaire shall be located on angled wall and centered above the center window of the group of five windows. Connect to exterior lighting circuit H1-13.
 - d. Freezer, 110 & Cooler, 111; Delete the toggle switch and connection to corridor lights at each unit. The freezer and cooler are pre-wired to junction box for connection to 120 volt circuit. See sheet EP102.
- E7: Drawing Sheet EP101, Level 1 Power - South
- a. Gymnasium, 113; At each of two sets of double doors on the north wall and into commons provide connection to magnetic door holders at each door. Provide one (1) smoke detector on each side of each door. Mount detector up near roof deck in each space.
- E8: Drawing Sheet EP102, Level 1 Power - North
- a. Add the following to electrical keynote 4; "This conduit shall be routed to underside of roof structure in gymnasium."
 - b. Electrical keynote 14; Change "Route wiring in conduit from floor box" to "Coordinate exact location with owner".
 - c. Freezer, 110; Provide connection from freezer j-box to circuit M1-53.
 - d. Cooler, 111; Provide connection from cooler j-box to circuit M1-51.
 - e. Commons, 106; Relocate duplex receptacle, antenna outlet and dual data jack shown at 8'-0" A.F.F. on the south wall to the wall above the window into concessions area. Devices shall be on the commons side of wall.
 - f. Commons, 106; Relocate the receptacle on the south wall for the EWC to the west approximately 30 feet.
 - g. Office, 01; Relocate the intercom station and keynote 14 from the center desk to the desk at the east wall. Cable shall be routed down to knee space at south end of cabinet. Verify the exact location of intercom with owner.
 - h. Office, 01; Delete two (2) floor boxes and keynote 15 at the center counter area. This will also delete the receptacles and data outlets shown here.
 - i. Office, 01: At the south desk station there is a duplex receptacle connected to circuit R1-13. Revise this to show a double duplex receptacle above the counter and a double duplex in the pen space below the counter. Change the data outlet from 1 drop to 4 and locate below the counter.
 - j. Office, 01; Change the paging horn symbol in the hallway to a volume control symbol for the ceiling mounted speaker.
 - k. Office, 01; On the east wall change the north duplex receptacle to a double duplex receptacle. Locate above the counter along with the two port data outlet. Change the south duplex receptacle to double duplex receptacle connected to circuit R1-20. Change the two port data outlet to four port. Locate the four port data and double duplex below the counter in the open space.

- E9: Drawing Sheet EY101, Level 1 Spec. Sys. Fire Alarm – South
- a. Hall, 112; Change the center ceiling mount horn/strobe device to strobe light only.
 - b. Freezer, 110; Delete the smoke detector shown just north of the freezer. Relocate the horn strobe by the smoke detector to the east to be centered in the hallway.
 - c. Gymnasium, 113; The two duct detectors shown on the south wall are for each of two (2) supply ducts from RTU-1. Locate in the straight section of supply duct after the turn. Install so that detector head is on the south side of duct to minimize potential for damage.
 - d. Room 14; This is existing gymnasium and to the north of the gym is the existing stage. There are two (2) ceiling mount fire alarm horn/strobe devices shown on the stage. Change these to be speaker/strobe devices and tied to pre-recorded voice system in gym.
- E10: Drawing Sheet EY102, Level 1 Spec. Sys. Fire Alarm – North
- a. Change keynote 1 to read “Not Used”.
 - b. M&E, 104; Delete the data port and keynote 1 on this sheet. It is already shown to be installed on sheet EP102.
 - c. M&E, 104; Relocate fire alarm control panel to the north corner adjacent to the relay panel.
 - d. Room 5, Existing Media Center; Add wall mount combination horn/strobe on west wall south of the door into office 01. Add wall mount strobe light south of the double doors in the northeast corner.
- E11: Drawing Sheet E-501, Electrical Schedules
- a. Add the following to electrical keynote 2; “Pad shall be picked up by contractor at NPPD Kearney office.”
- E12: Drawing Sheet E-601, Electrical Schedules
- b. Panel Schedule M1; Change circuit 51 to 20/1 breaker for cooler and circuit 53 to 20/1 breaker for freezer.
 - c. Main Distribution Panel MDP; In reference to Note 1, the intent is such that the panel will have a 600 amp main breaker with the breaker situated that it would be possible to replace the 600 amp main with a solid state 1000 amp main breaker in the future.
- E12: Drawing Sheet E-602, Electrical Schedules
- a. Luminaire Schedule; Subject to compliance with plans and specifications the following shall be considered acceptable manufacturers for the luminaire type listed.

<u>Luminaire</u>	<u>Manufacturer</u>
A, A1	Lithonia, Metalux
S, SA	McGraw Edison
W, W2	Lithonia, McGraw Edison
 - b. Luminaire Schedule; Change type S luminaire to “NOT USED”. Change catalog number of type W luminaire to 101L-4-55LA-NW-UNIV-BRP.
 - c. Luminaire Schedule; Add new luminaire type W2 as Gardco 101L-4-35LA-NW-UNIV-BRP, 4000K LED, Bronze finish, 35 watts, 277 volts.
 - d. Luminaire Schedule Remarks; Add the following to Remark 7: “Ballast for these luminaires shall have minimum 1.15 ballast factor.”
 - e. Luminaire Schedule Remarks; Add the following to Remark 8: “The emergency battery shall be permitted to be installed within the luminaire housing.”

END OF ADDENDA 1.

ADDENDA NO. 1
ADDITIONS/ALTERATIONS TO
SHELTON PUBLIC SCHOOLS

Hardware Set 01

Doors: 144, 145, 150, 161, 162

Each to Receive:

1EA CYLINDER CYLINDER AS REQUIRED SCHLAGE "E"KEYWAY
ALL OTHER HARDWARE BY ALUMINUM DOOR MANUFACTURER.

Hardware Set 02

Doors: 177

Each to Receive:

3	EA	HINGE	TA2714	4.5 X 4.5 26D	MC KINNEY
1	EA	STOREROOM	SE 28-10G04	LL 26D	SARGENT
1	EA	CLOSER	351 P10	EN	SARGENT
1	EA	KICKPLATE	10" X 40"	B4E CSK	US32D ROCKWOOD
1	EA	WALL STOP	409	US32D	ROCKWOOD
1	EA	SILICON SEAL	S88D21		PEMKO

Hardware Set 03

Doors: 186, 192

Each to Receive:

3	EA	HINGE	TA2714	4.5 X 4.5 26D	MC KINNEY
1	EA	STOREROOM	SE 28-10G04	LL 26D	SARGENT
1	EA	CLOSER	351-O	EN	SARGENT
1	EA	KICKPLATE	10" X 34"	B4E CSK	US32D ROCKWOOD
1	EA	WALL STOP	409	US32D	ROCKWOOD
1	EA	SILICON SEAL	S88D17		PEMKO

Hardware Set 03A

Doors: 166, 183, 187

Each to Receive:

3	EA	HINGE	TA2714	4.5 X 4.5 26D	MC KINNEY
1	EA	STOREROOM	SE 28-10G04	LL 26D	SARGENT
1	EA	CLOSER	351-O	EN	SARGENT
1	EA	KICKPLATE	10" X 40"	B4E CSK	US32D ROCKWOOD
1	EA	WALL STOP	409	US32D	ROCKWOOD
1	EA	SILICON SEAL	S88D21		PEMKO

Hardware Set 04

Doors: 064, 156, 157, 195, 202, 204, 206, 207

Each to Receive:

3	EA	HINGE	TA2714	4.5 X 4.5 26D	MC KINNEY
1	EA	CLASSROOM	SE 28-10G37	LL 26D	SARGENT
1	EA	CLOSER	351 P10	EN	SARGENT
1	EA	KICKPLATE	10" X 34"	B4E CSK	US32D ROCKWOOD
1	EA	WALL STOP	409	US32D	ROCKWOOD
1	EA	SILICON SEAL	S88D17		PEMKO

ADDENDA NO. 1
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Hardware Set 05

Doors: 029, 036, 170, 171, 172, 173

Each to Receive:

3	EA	HINGE	TA2714 4.5 X 4.5 26D	MC KINNEY
1	EA	ENTRANCE	SE 28-10G05 LL 26D	SARGENT
1	EA	WALL STOP	409 US32D	ROCKWOOD

Hardware Set 06

Doors: 205

Each to Receive:

3	EA	HINGE	TA2714 4.5 X 4.5 26D	MC KINNEY
1	EA	ENTRANCE	SE 28-10G05 LL 26D	SARGENT
1	EA	CLOSER	351 P10 EN	SARGENT
1	EA	KICKPLATE	10" X 34" B4E CSK	US32D ROCKWOOD
1	EA	SILICON SEAL	S88D17	PEMKO

Hardware Set 06A

Doors: 174

Each to Receive:

3	EA	HINGE	TA2714 4.5 X 4.5 26D	MC KINNEY
1	EA	STOREROOM	SE 28-10G04 LL 26D	SARGENT
1	EA	ELEC STRIKE	1006 12/24DC 630	HES
1	EA	CLOSER	351 P10 EN	SARGENT
1	EA	KICKPLATE	10" X 34" B4E CSK	US32D ROCKWOOD
1	EA	SILICON SEAL	S88D17	PEMKO
1	EA	PUSH BUTTON	660-PB RELEASE BUTTON	LOCKNETICS SECURITY
1	EA	Power Supply	BPS-24-1: Power Supply 24VDC-1A	SECURITRON
1	EA	FACEPLATE	J 630	HES

BUTTON WILL RELEASE ELECTRIC STRIKE TO ALLOW ENTRY. WIRING BY OTHERS.

Hardware Set 07

Doors: 025, 026

Each to Receive:

3	EA	HINGE	TA2714 4.5 X 4.5 26D	MC KINNEY
1	EA	ENTRANCE	SE 28-10G05 LL 26D	SARGENT
1	EA	CLOSER	351-O EN	SARGENT
1	EA	KICKPLATE	10" X 34" B4E CSK	US32D ROCKWOOD
1	EA	SILICON SEAL	S88D17	PEMKO

Hardware Set 08

Doors: 191

Each to Receive:

3	EA	HINGE	TA2714 4.5 X 4.5 (NRP) 26D	MC KINNEY
1	EA	RIM EXIT	SE 8813 ETL 32D	SARGENT
1	EA	CLOSER	351 P10 EN	SARGENT
1	EA	KICKPLATE	10" X 34" B4E CSK	US32D ROCKWOOD
1	EA	THRESHOLD	425-36"	NATIONAL GUARD

ADDENDA NO. 1
 ADDITIONS/ALTERATIONS TO
 SHELTON PUBLIC SCHOOLS

1	EA	SEAL	160U 36" X 84"	ALUM	NATIONAL GUARD
1	EA	SWEEP	200NA-36"		NATIONAL GUARD

Hardware Set 09

Doors: 189

Each to Receive:

3	EA	HINGE	TA2714 4.5 X 4.5 26D	MC KINNEY	
2	EA	BOLTS & LATCHES	555-12" FLUSH BOLT	26D	ROCKWOOD
1	EA	ENTRANCE	SE 28-10G05 LL 26D	SARGENT	

Hardware Set 10

Doors: 184

Each to Receive:

3	EA	HINGE	TA2714 4.5 X 4.5 26D	MC KINNEY	
1	EA	CLASSROOM	SE 28-10G37 LL 26D	SARGENT	
1	EA	CLOSER	351-O EN	SARGENT	
1	EA	KICKPLATE	10" X 40" B4E CSK	US32D	ROCKWOOD
1	EA	WALL STOP	409	US32D	ROCKWOOD
1	EA	SILICON SEAL	S88D21	PEMKO	

Hardware Set 11

Doors: 153, 154

Each to Receive:

6	EA	HINGE	TA2714 4.5 X 4.5 (NRP) 26D	MC KINNEY	
1	EA	KEYED MULLION	SE-L980PRIME	SARGENT	
2	EA	RIM EXIT	8804 EXIT ONLY NO TRIM	32D	SARGENT
2	EA	CLOSER	351 P10 EN	SARGENT	
2	EA	KICKPLATE	10" X 34" B4E CSK	US32D	ROCKWOOD
1	EA	THRESHOLD	425-72"	NATIONAL GUARD	
2	EA	SEAL	160U 36" X 84" ALUM	NATIONAL GUARD	
2	EA	SWEEP	200NA-36"	NATIONAL GUARD	

Hardware Set 12

Doors: 151, 152, 199

Each to Receive:

6	EA	HINGE	TA2714 4.5 X 4.5 26D	MC KINNEY	
2	EA	VERTICAL ROD	SE 12-8713 ETL LBR	32D	SARGENT
2	EA	CLOSER	351 P10 EN	SARGENT	
2	EA	KICKPLATE	10" X 34" B4E CSK	US32D	ROCKWOOD
2	EA	ELEC MAG RELEAS	998 689	RIXSON-FIREMARK	
1	EA	SILICON SEAL	S88D21	PEMKO	

Hardware Set 13

Doors: 035, 147, 148, 149, 176, 201

Each to Receive:

6	EA	HINGE	TA2714 4.5 X 4.5 26D	MC KINNEY	
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ADDENDA NO. 1
 ADDITIONS/ALTERATIONS TO
 SHELTON PUBLIC SCHOOLS

2	EA	VERTICAL ROD	SE 12-8713 ETL LBR	32D	SARGENT
2	EA	CLOSER	351 P10 EN		SARGENT
2	EA	KICKPLATE	10" X 34" B4E CSK	US32D	ROCKWOOD
2	EA	WALL STOP	409	US32D	ROCKWOOD
1	EA	SILICON SEAL	S88D21		PEMKO

Hardware Set 14

Doors: 208

Each to Receive:

6	EA	HINGE	TA2714 4.5 X 4.5 26D		MC KINNEY
1	EA	MULLION (STD 96	SE 12-L980	USP	SARGENT
2	EA	RIM EXIT	SE 12-8813 ETL	32D	SARGENT
1	EA	ELEC STRIKE	9500 630		HES
2	EA	CLOSER	351 P10 EN		SARGENT
2	EA	KICKPLATE	10" X 34" B4E CSK	US32D	ROCKWOOD
2	EA	SILICON SEAL	S88D17		PEMKO
1	EA	PUSH BUTTON	660-PB RELEASE BUTTON		LOCKNETICS SECURITY
1	EA	Power Supply	BPS-24-1: Power Supply 24VDC-1A		SECURITRON

BUTTON WILL RELEASE ELECTRIC STRIKE TO ALLOW ENTRY. WIRING BY OTHERS.

Hardware Set 15

Doors: 198

Each to Receive:

3	EA	HINGE	TA2714 4.5 X 4.5 26D		MC KINNEY
1	EA	RIM EXIT	SE 12-8813 ETL	32D	SARGENT
1	EA	CLOSER	351 P10 EN		SARGENT
1	EA	KICKPLATE	10" X 34" B4E CSK	US32D	ROCKWOOD
1	EA	SILICON SEAL	S88D17		

END OF REVISED HARDWARE SCHEDULE

SECTION 08 71 13

POWER DOOR OPERATORS

PART I – GENERAL

1.01 SUMMARY

A. **WORK INCLUDED:** Furnish exterior and interior power door operators with visible mounting, as specified, that has been manufactured, fabricated and installed to maintain performance criteria stated by manufacturer without defects, damage or failure. Automatic door operators shall be configured as follows:

1. Single doors: Outswing or Inswing.
2. Simultaneous pairs: Outswing or Inswing.
3. Double Egress: Outswing and Inswing.

B. **RELATED WORK:**

1. Division 8 Section "Aluminum-Framed Entrances and Storefronts" for entrances furnished separately.
2. Division 8 Section "Door Hardware" for hardware to the extent not specified in this Section.
3. Division 16 Sections for electrical connections including conduit and wiring for power door operators.

1.02 SUBMITTALS

A. **PRODUCT DATA:** Submit manufacturer's complete product and installation data.

B. **SHOP DRAWINGS:** Submit drawings showing layout, profiles, product components including anchorage, accessories, finish and glazing details (where required).

C. **CLOSEOUT SUBMITTALS:** Submit the following:

1. Owner's Manual.
2. Warranty document as specified herein.
3. AAADM inspection compliance form completed and signed by certified AAADM inspector prior to doors being placed in operation as proof of compliance with ANSI A156.19.

1.04 QUALITY ASSURANCE AND PERFORMANCE REQUIREMENTS

A. **INSTALLERS QUALIFICATIONS:** Installer shall be factory trained, certified by AAADM, and experienced to perform work of this section.

B. **MANUFACTURER'S QUALIFICATIONS:** Manufacturer to have minimum (5) five years successful experience in the fabrication of automatic doors of the type required for this project. Manufacturer capable of providing field service representation during installation, approving acceptable installer and approving application method.

C. **CERTIFICATIONS:** Automatic sliding door systems and options shall be factory certified to meet performance design criteria

D. **SOURCE LIMITATIONS:** Obtain automatic door operators through one source from a single manufacturer.

E. **PRODUCT OPTIONS:** Drawings indicate sizes, profiles, and dimensional requirements of automatic entrance door assemblies and are based on the specific system indicated. Refer to Division 1 Section "Product Requirements."

F. POWER OPERATED DOOR STANDARD: ANSI/BHMA A156.19.

G. OPERATION: Automatic and/or Manual:

1. Automatic: Pushbutton/Push Plate switch actuates door open; door closes after time delay expires. Opening and closing force, measured 1" (25.4 mm) out from the lock stile of the door, not to exceed 15 pounds (67 N) of force to stop the door when operating in either direction. Operator to include the following variable adjustments so as to comply with ANSI Standard A156.19: Opening speed – 4 1/2 to 6 seconds; Closing speed – 4 1/2 to 6 seconds.
2. Manual: Push-N-Go™: Manually pushing door activates automatic opening cycle; door closes after time delay expires (approximately 30% less than after pushbutton actuation).

H. ELECTRICAL COMPONENTS, DEVICES AND ACCESSORIES: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

I. OPERATING RANGE: -30° F to 130° F (-34° C to 54° C)

J. OPENING FORCE REQUIREMENTS FOR EGRESS DOORS: In the event power failure to the operator, swinging automatic entrance doors shall open with a manual force, not to exceed 30 lbf (133 N) applied at 1" (25 mm) from the latch edge of the door.

K. CLOSING TIME:

1. Doors shall be field adjusted to close from 90 degrees to 10 degrees in 3 seconds or longer.
2. Doors shall be field adjusted to close from 10 degrees to fully closed in not less than 1.5 seconds.

1.05 WARRANTIES

- A. MANUFACTURER'S WARRANTY: Units to be warranted against defect in material and workmanship for a period of one year from the Date of Substantial Completion. Manufacturer's warranty is in addition to, and not a limitation of, other rights owner may have under Contract Documents.
- B. DISTRIBUTOR'S WARRANTY: One year warranty: Labor & transportation charges for defective parts replacement.

1.06 PROJECT CONDITIONS

- A. Verify actual dimensions/openings by field measurements before fabrication and record on shop drawings. Coordinate with fabrication and construction schedule to avoid construction delays.

1.07 DELIVERY, STORAGE AND HANDLING

- A. ORDERING AND DELIVERY: Comply with factory's ordering instructions and lead time requirements. Delivery shall be in factory's original, unopened, undamaged containers with identification labels intact.
- B. STORAGE AND PROTECTION: Provide protection from exposure to harmful weather conditions and vandalism.

PART II - PRODUCTS

2.01 MANUFACTURER

- A. HORTON AUTOMATICS, a division of Overhead Door Corporation, shall manufacture automatic swing

door(s) of type(s) and size(s) specified on plans and door schedule.

2.02 EQUIPMENT

- A. MANUFACTURED DOOR UNITS: EASYACCESS ® Series 7100: Surface Applied Operator with connecting arms and linkage shall provide positive control of door through entire swing; units shall permit use of butt hung and center pivot doors.
1. Mounting: The operator header shall be mounted to the surface of the existing door frame or wall.
 2. Door Arms: Connecting hardware shall be a double arm arrangement that can either push the door or pull the door open to suit the job condition. When the operator mounting is on the pull side and adjacent wall is within 4" (102 mm) of the door frame, specify a parallel arm.
 3. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, non-staining, non-bleeding fasteners and accessories compatible with adjacent materials.
- B. EASYACCESS ® HEADER CASE: Shall be a side access extruded aluminum case. Standard header size shall be 4" x 6" (102 mm x 152 mm) with optional 6" x 6" (152 mm x 152 mm).
- C. OPERATOR: The Electric Operating Mechanism shall be Series 7000: Operator shall be mounted and concealed in an extruded aluminum case for smooth and quiet operation. Maximum current draw shall not exceed 3.15 amps.
1. Opening Action: Shall be accomplished by a 1/15 HP D.C. permanent magnet motor working through reduction gears to the output shaft.
 2. Field Adjustable Spring Closing Action: shall be accomplished by a field replaceable spring. When the door is in the closing mode or fully closed, motor voltage shall not be required and will be off. The door can be manually operated with power on or off without damage to the operator.
 3. Independent Adjustable Closing and Latching Speed Control: The operator shall employ a rheostat module to allow for independent field adjustment of closing and latching speeds using the motor as a dynamic brake.
 4. Field Adjustable Open Stop: The operator shall provide a field adjustable open stop to accommodate opening angles from 80 to 135 degrees without the need for additional components.
 5. Consistent Cycle: The operator shall deliver an even, consistent open force across the entire transition from door fully closed to door open check. Additionally, the range of the force shall be field adjustable to accommodate a wide range of on-site conditions.
 6. Manual Use: The operator shall function as a manual door closer in the direction of swing with or without electrical power. The operator shall deliver an even, consistent open force across the entire transition from door fully closed to door fully open.
 7. Controller Protection: The controller shall incorporate the following features to ensure trouble free operation:
 - a. Automatic Reset upon power up.
 - b. Main fuse protection.
 - c. Electronic surge protection.
 - d. Internal power supply protection.
 - e. Resettable sensor supply fuse protection.
 8. Push Button Interface: The controller shall have push button switches with to allow for selection or change of the following parameters: carpet or timer logic, single or dual door, activation options, normal back check or large back check, push-to-open assist on/off.
 9. Soft Start/Stop: A "soft-start" "soft-stop" motor driving circuit shall be provided for smooth normal opening and recycling.

10. Control Switch: Automatic door operators shall be equipped with a three position function switch to control the operation of the door. Control switch shall provide three modes of operation, Automatic, Off, and Hold-Open.

11. Master Control: Shall incorporate the following features:
 - a. Adjustable time delay of 2 to 30 seconds (ANSI A156.19 requirement is 5 second minimum time delay).
 - b. Infinite adjustment to opening and open check speeds including adjusting the opening force without affecting the opening speed.
 - c. Immediate reversal of door motion without undue strain on the drive train. This will be accomplished by supplying stepped voltage to the motor. The door shall reverse when closing if an object stops the door.
 - d. Motor Protection Circuit: A locked door motor protection circuit will be supplied that will shut off current to the motor when the door is inadvertently locked or otherwise prevented from opening.

2.03 RELATED EQUIPMENT

- A. PUSHBUTTON: 1" diameter (25 mm) round, red pushbutton switch. Face plates shall be engraved with the international symbol for accessibility and "Press To Open". Jamb or wall mounted.
- B. PUSH PLATE: 6" diameter (152 mm) round or 4 ½" (114 mm) square, stainless steel switch. Wall mounted. Optional engravings shall be:
 1. International symbol for accessibility and "Press To Open".
 2. International symbol for accessibility only.
 3. "Press To Open" only.
 4. Plain - No engraving

2.04 RELATED WORK REQUIREMENTS

- A. ELECTRICAL: To be provided under Division 16: 120 or 220 VAC, 60 cycle, 1 phase, 10 amps for doors with operators in pairs, 5 amps for single doors. Non-North American voltages can be 240 VAC (operator must have 240 volt power supply)

2.05 MATERIALS, FINISHES AND FABRICATION

- A. EXTRUDED ALUMINUM: ASTM B221, 6063-T5 alloy and temper, anodized: Structural Header Sections: Minimum 1/8" (3 mm) thickness.
- B. FINISHES (for all exposed aluminum surfaces): Shall be one of the following:
 1. 204-R1 Clear: Arch. Class 2 Clear Anodized Coating, AA-MI2C22A31.
 2. 313-R1 Dark Bronze: Arch. Class 1 Anodized Coating, AA-MI2C22A44.
 3. 312-R1 Light Bronze: Arch. Class 1 Anodized Coating, AA-MI2C22A44.
 4. 315-R1 Black: Arch. Class 1 Anodized Coating, AA-MI2C22A44.
 5. Special Paint Coating: Color as selected.
 6. Clad with stainless steel or muntz metal (brass alloy): #7 mirror finish or #4 brushed finish.
- C. OPERATOR CONSTRUCTION: Electromechanical.

PART III - EXECUTION

3.01 EXAMINATION

SITE VERIFICATION OF CONDITIONS: Installer must verify that base conditions previously installed under other sections are acceptable for product installation according to with manufacturer's instructions. Notify the Contractor in writing of conditions detrimental to the proper and timely completion of work. Do not start work until all negative conditions are corrected in a manner acceptable to the installer and manufacturer.

3.02 INSTALLATION

- A. **GENERAL:** Installer shall be factory trained, certified by AAADM, and experienced to perform work of this section. Install door units plumb, level and true to line, without warp or rack of frames or sash with manufacturer's prescribed tolerances. Provide support and anchor in place.
- B. **DISSIMILAR MATERIALS:** Comply with AAMA 101, Appendix Dissimilar Materials by separating aluminum materials and other corrodible surfaces from sources of corrosion or electrolytic action contact points.
- C. **WEATHER-TIGHT CONSTRUCTION:** Install header and framing members in a bed of sealant or with joint filler or gaskets. Coordinate installation with wall flashings and other components of construction.
- D. **ELECTRICAL:** General or electrical contractor to install all wiring to operator on a separate circuit breaker routed into header.

3.03 CLEANING, ADJUSTMENT AND PROTECTION

- A. **CLEANING:** After installation, installer to take following steps:
 - 1. Remove temporary coverings and protection of adjacent work areas.
 - 2. Remove construction debris from construction site and legally dispose of debris.
 - 3. Repair or replace damaged installed products.
 - 4. Clean product surfaces and lubricate operating equipment for optimum condition and safety.
- B. **ADJUSTMENT:** AAADM certified technician shall inspect and adjust installation to assure compliance with ANSI A156.19.
- C. **ADVISE CONTRACTOR:** Of precautions required through the remainder of the construction period, to ensure that doors will be without damage or deterioration (other than normal weathering) at the time of acceptance.
- D. **FIELD QUALITY CONTROL:** Testing Services: Factory Trained Installer shall test and inspect each swinging automatic entrance door to determine compliance of installed systems with applicable ANSI standards.

END OF SECTION

SECTION 09 84 00

**ACOUSTICAL WALL TREATMENT
(CEMENTITIOUS WOOD FIBER WALL PANELS)**

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: Cementitious wood fiber plank acoustical [Wall panel system] [And] [Baffles] and installation accessories.
- B. Related Sections:
 - 1. Division 9 Sections: Acoustical Suspension.
 - 2. Division 9 Sections: Acoustical Ceilings.
 - 3.

1.02 REFERENCES

- A. ASTM International:
 - 1. ASTM C635 Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.
 - 2. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials.
 - 3. ASTM E1264 Standard Classification for Acoustical Ceiling Products.
- B. Ceilings and Interior Systems Construction Association (CISCA):
 - 1. CISCA Code of Practices.

1.03 SYSTEM DESCRIPTION

- A. Performance Requirements:
 - 1. Provide acoustical wall panel assembly designed and tested to provide surface burning characteristics (ASTM E84) as follows:
 - a. Flamespread: 0.
 - b. Smoke Developed: 0.
 - 2. Provide acoustical wall panel system which has been manufactured, fabricated and installed to provide Noise Reduction Coefficient (NRC) rating as follows:
 - a. Specify required NRC rating from 0.40 - 1.00

1.04 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. Product Data: Submit manufacturer's product data and installation instructions.
 - 1. Recommended procedures for normal cleaning and removal of stains including precautions in use of cleaning materials that may be detrimental to surfaces.
- C. Samples: Submit selection and verification samples: [6 inch x 6 inch (152 x 152 mm) sample for each wall panel unit required, showing full range of exposed texture to be expected in completed.

D. Quality Assurance/Control Submittals: Submit the following:

1. Test Reports: Upon request, submit certified test reports from recognized test laboratories.
2. Certificates: Submit manufacturer's certificate that products meet or exceed specified requirements.

1.05 QUALITY ASSURANCE

- A. Installer Qualifications: Utilize an installer having demonstrated experience on projects of similar size and complexity.
- B. Regulatory Requirements and Approvals: Specify applicable requirements of regulatory agencies..
 1. International Code Council (ICC):
 - a. ICC-ES Evaluation Report ESR-1112.
 2. State of California:
 - a. DSA Number PA-008.
 3. Underwriters' Laboratories of Canada (ULC) label.
 - a. Structural Cement-Fiber Unit-535X

1.06 DELIVERY, STORAGE & HANDLING

- A. General: Comply with Division 1 Product Requirement Section.
- B. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.
 1. Prevent soiling, physical damage or wetting.
 2. Store cartons open at each end to stabilize moisture content and temperature.

1.07 PROJECT/SITE CONDITIONS

- A. Environmental Requirements:
 1. Do not install acoustical panels until building is closed in and HVAC system is operational.
 2. Locate materials onsite at least 24 hours before beginning installation to allow materials to reach temperature and moisture content equilibrium.
 3. Maintain the following conditions in areas where acoustical materials are to be installed 24 hours before, during and after installation:
 - a. Relative Humidity: 65 - 75%.
 - b. Uniform Temperature: 55 - 70 degrees F (13 - 21 degrees C).

1.08 MAINTENANCE

- A. Extra Materials: Provide [A recommended percentage of] [Specify percentage.] additional material for use by owner in building maintenance and repair.
- B. Provide new unopened cartons of extra materials, packaged with protective covering for storage, identified with appropriate labels.

PART 2 PRODUCTS

2.01 ACOUSTICAL WALL PANEL SYSTEM

- A. Manufacturer: Tectum Inc.
 - 1. Contact: 105 South Sixth Street, Newark, OH 43055; Telephone: (888) 977-9691, (740) 345-9691; Fax: (800) 832-8869; E-mail: info@tectum.com; website: www.tectum.com.
- B. Proprietary Systems. Acoustical Wall panel And Baffle systems, including the following:
 - 1. Tectum Standard Interior Wall Panels:
 - a. Material: Aspen wood fibers bonded with inorganic hydraulic cement.
 - b. Thickness:1 inch (25.4 mm).
 - c. Edge:Long edge beveled.
 - d. Width:47¾ inches (1213 mm).
 - e. Length: 47-1/4”.
 - f. Color: Finished white
 - g. Mounting Style: C-40. Provide all fasteners, Furring strips and OCF 703 fiberglass insulation for a complete single source installation.

2.02 PRODUCT SUBSTITUTIONS

- A. Substitutions: No substitutions permitted.

2.03 ACCESSORIES

- A. Provide accessories as follows:
 - 1. Tectum Painted Head Drywall Screws:
 - a. Material: Steel.
 - b. Length:2¼ inches (57 mm)
 - c. Color: Prefinished white.
 - 2. Tectum Moulding:
 - a. Material: Plastic.
 - 3. Tectum Touch-Up Paint:
 - a. Color: Prefinished white.

PART 3 EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS

- A. Comply with the instructions and recommendations of the acoustical wall panel system manufacturer.
- B. Install materials in accordance with governing regulations, fire resistance rating requirements and industry standards applicable to work.
 - 1. Comply with CISCA Code of Practices.

3.02 EXAMINATION

- A. Site Verification of Conditions:
 - 1. Examine surfaces scheduled to receive suspended or directly attached acoustical units for unevenness, irregularities and dampness that would affect quality and execution of work.

2. Do not proceed with installation of wall panel system until unacceptable conditions are corrected.

3.03 INSTALLATION

- A. Screw head to be flush with panel surface.
- B. Securely affix wall panels by means of splines attached vertically to smooth wall or furring strips. Engage vertical kerfs on the edges of the wall panels with splines. Apply adhesive or use Velcro hook and loop fastening where necessary.
- C. Cover field cut edges by means of trim or other moldings.

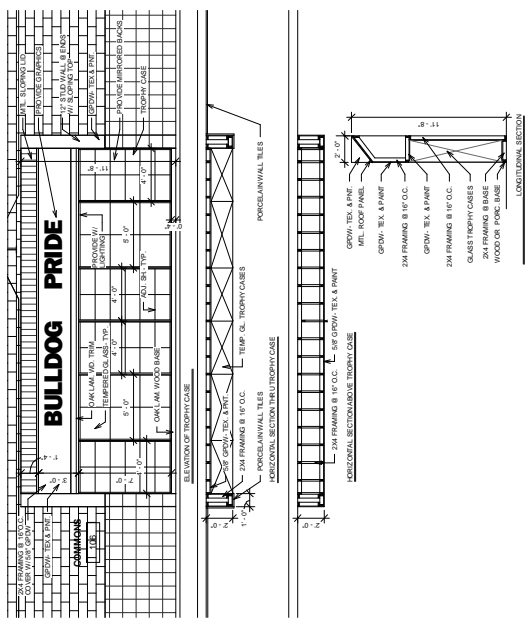
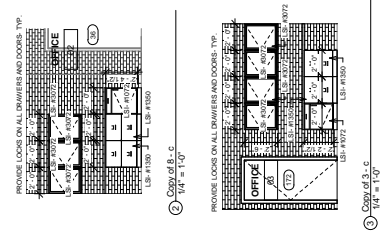
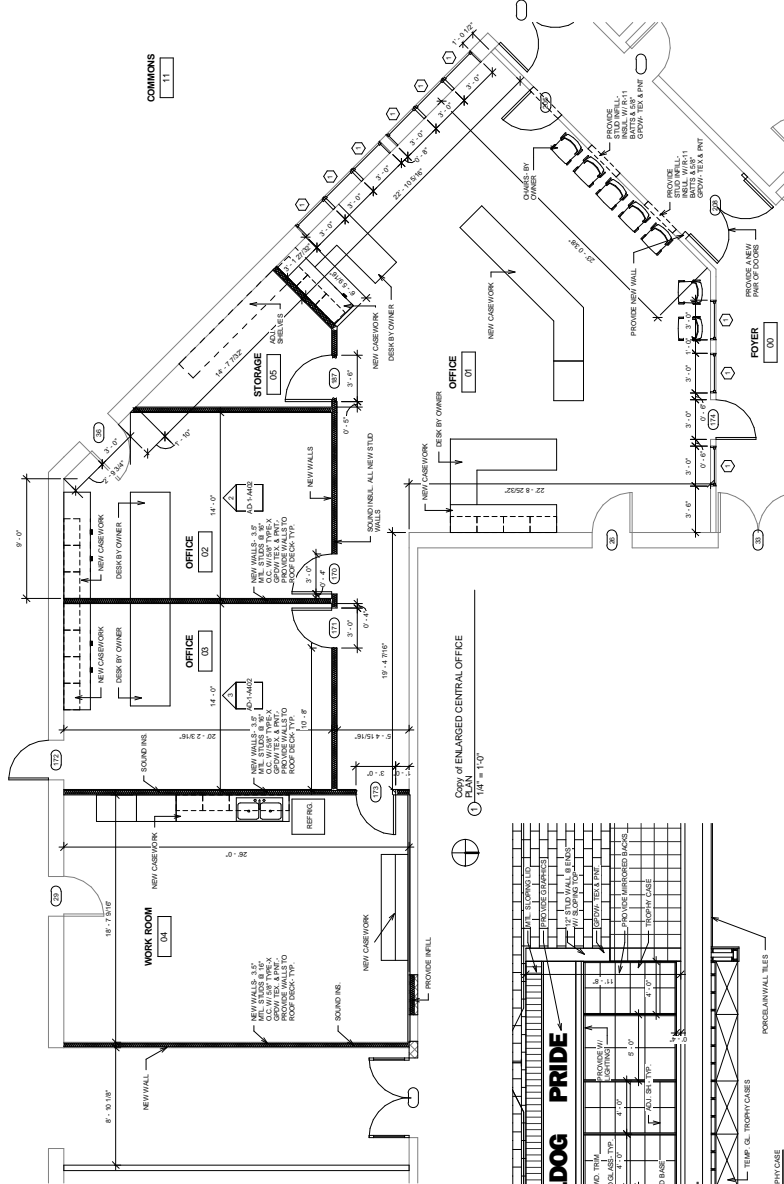
3.04 CLEANING

- A. Clean exposed surfaces of acoustical panel, trim, moldings and suspension members to comply with manufacturer's instructions for cleaning.
- B. Touch up any minor finish damage.
- C. Remove and replace work that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

3.05 PROTECTION

- D. Protect installed work from damage due to subsequent construction activity, including temperature and humidity limitations and dust control, so that the work will be without damage and deterioration at the time of acceptance by the Owner.

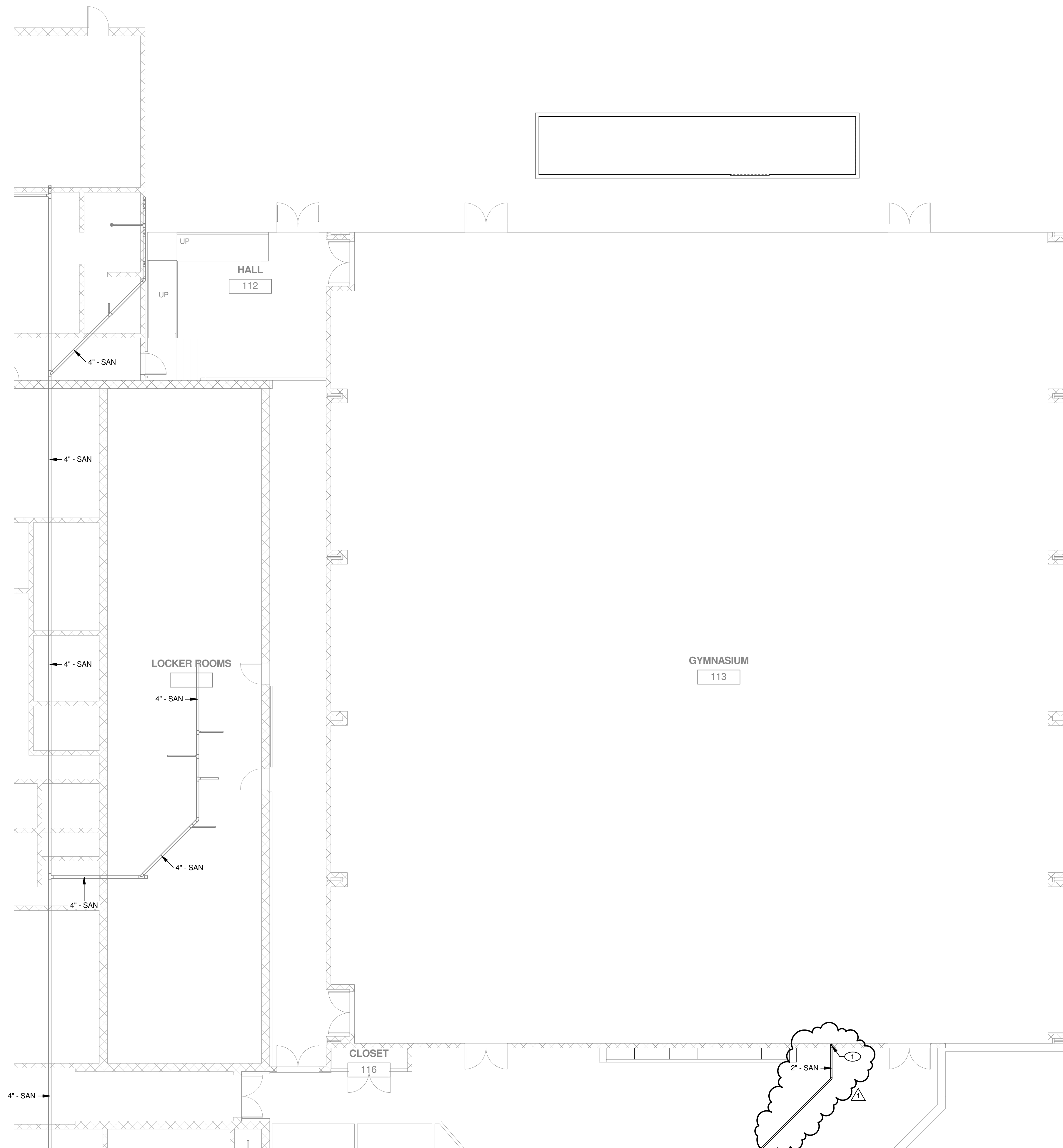
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1 Copy of 5-2-C
 1/4" = 1'-0"

2 Copy of 8-3-C
 1/4" = 1'-0"

3 Copy of 8-5-C
 1/4" = 1'-0"



PLUMBING KEYNOTES	
Key Value	Keynote Text
1	NEW 2" SANITARY LINE UP IN WALL SERVING ELECTRIC WATER COOLER ON FLOOR ABOVE.

jrh
Architecture & Planning
 Joseph R. Hewgley & Associates, Inc.
 702 South Bailey • North Platte, Ne.
 Phone: 308/534-4983 • Fax: 308/534-4944



ADDITIONS & ALTERATIONS

SHELTON PUBLIC SCHOOLS

PROJECT #: R2113
 DATE: 02/28/14
 DRAWN: EEM

REVISIONS	
DATE	DESCRIPTION
3/19/14	ADDENDUM #1

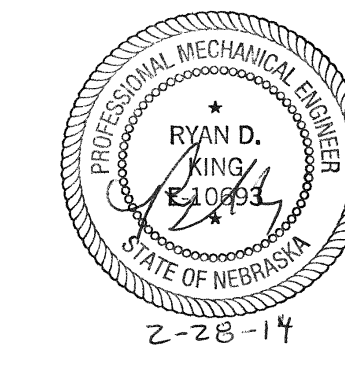
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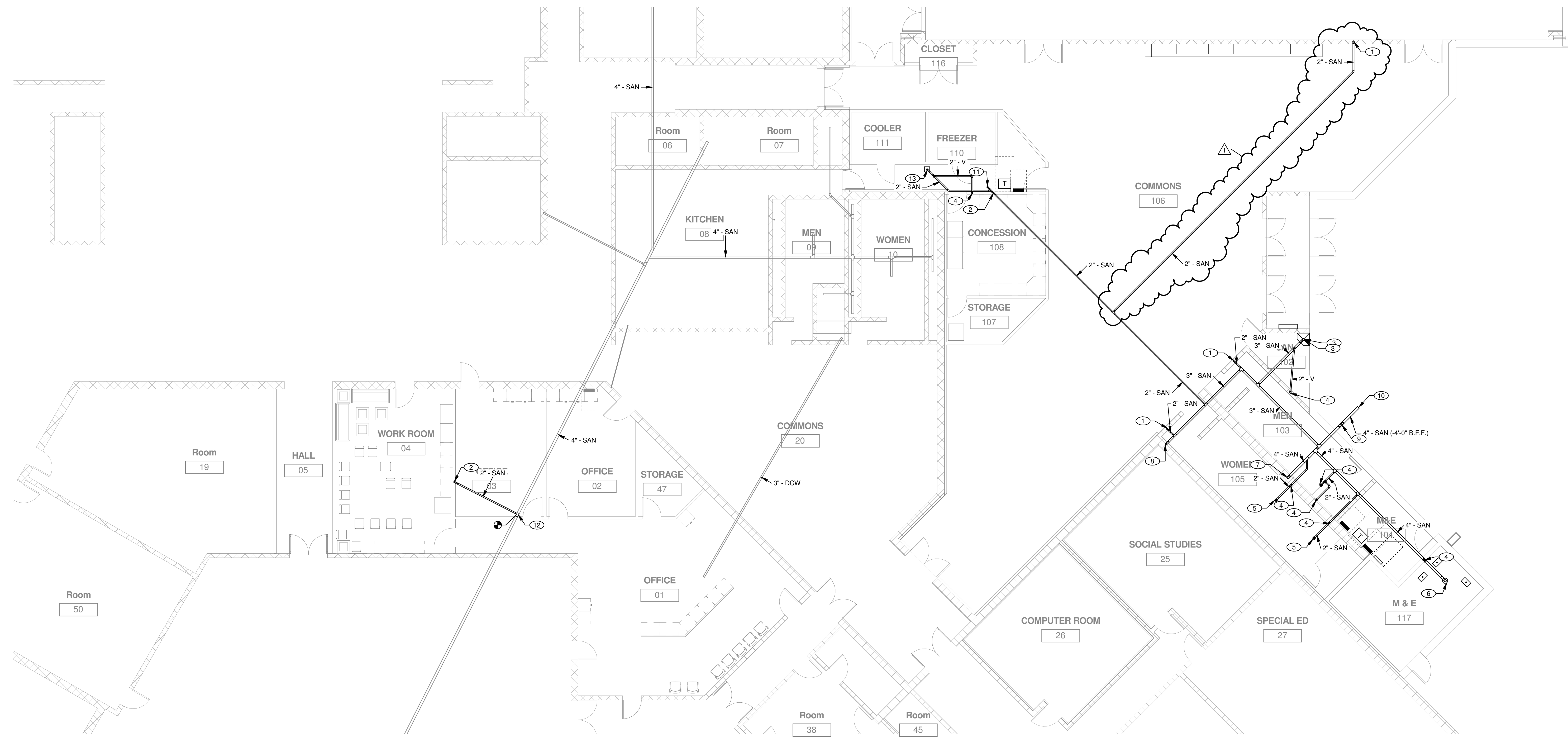
SHEET
PL100

① FOUNDATION PLUMBING - SOUTH
 1/8" = 1'-0"

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PLUMBING KEYNOTES	
Key Value	Keynote Text
1	NEW 2" SANITARY LINE UP IN WALL SERVING ELECTRIC WATER COOLER ON FLOOR ABOVE.
2	2" SANITARY LINE UP TO SINK ON FLOOR ABOVE.
3	3" SANITARY LINE UP TO MOP SINK BASIN, MSB-1 ON FLOOR ABOVE.
4	2" VENT LINE UP IN WALL TO FLOOR ABOVE.
5	2" SANITARY LINE UP TO FLOOR DRAIN ON FLOOR ABOVE.
6	4" SANITARY LINE UP TO FLOOR DRAIN ON FLOOR ABOVE.
7	4" SANITARY LINE UP INTO CHASE SPACE, SERVING BATHROOM GROUP ON FLOOR ABOVE.
8	3" SANITARY LINE UP TO WALL CLEANOUT ON FLOOR ABOVE.
9	UP TO TO-WAY CLEANOUT. SEE DETAIL 3/P-501 FOR INSTALLATION REQUIREMENTS.
10	SEE SITE UTILITIES PLAN FOR CONTINUATION OF SANITARY PIPING.
11	2" SANITARY LINE UP TO FLOOR CLEANOUT, FCO. SEE DETAIL 1/P-501 FOR INSTALLATION REQUIREMENTS.
12	CONNECT NEW 2" SANITARY LINE TO EXISTING 4" SANITARY LINE IN THIS APPROXIMATE LOCATION. FIELD VERIFY SIZE, LOCATION AND CONDITION OF EXISTING PIPE PRIOR TO INSTALLATION. CUT AND PATCH FLOOR TO MATCH EXISTING.
13	2" SANITARY LINE UP TO FLOOR SINK ON FLOOR ABOVE.



① FOUNDATION PLUMBING - NORTH
 1/8" = 1'-0"

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ADDITIONS & ALTERATIONS

SHELTON PUBLIC SCHOOLS

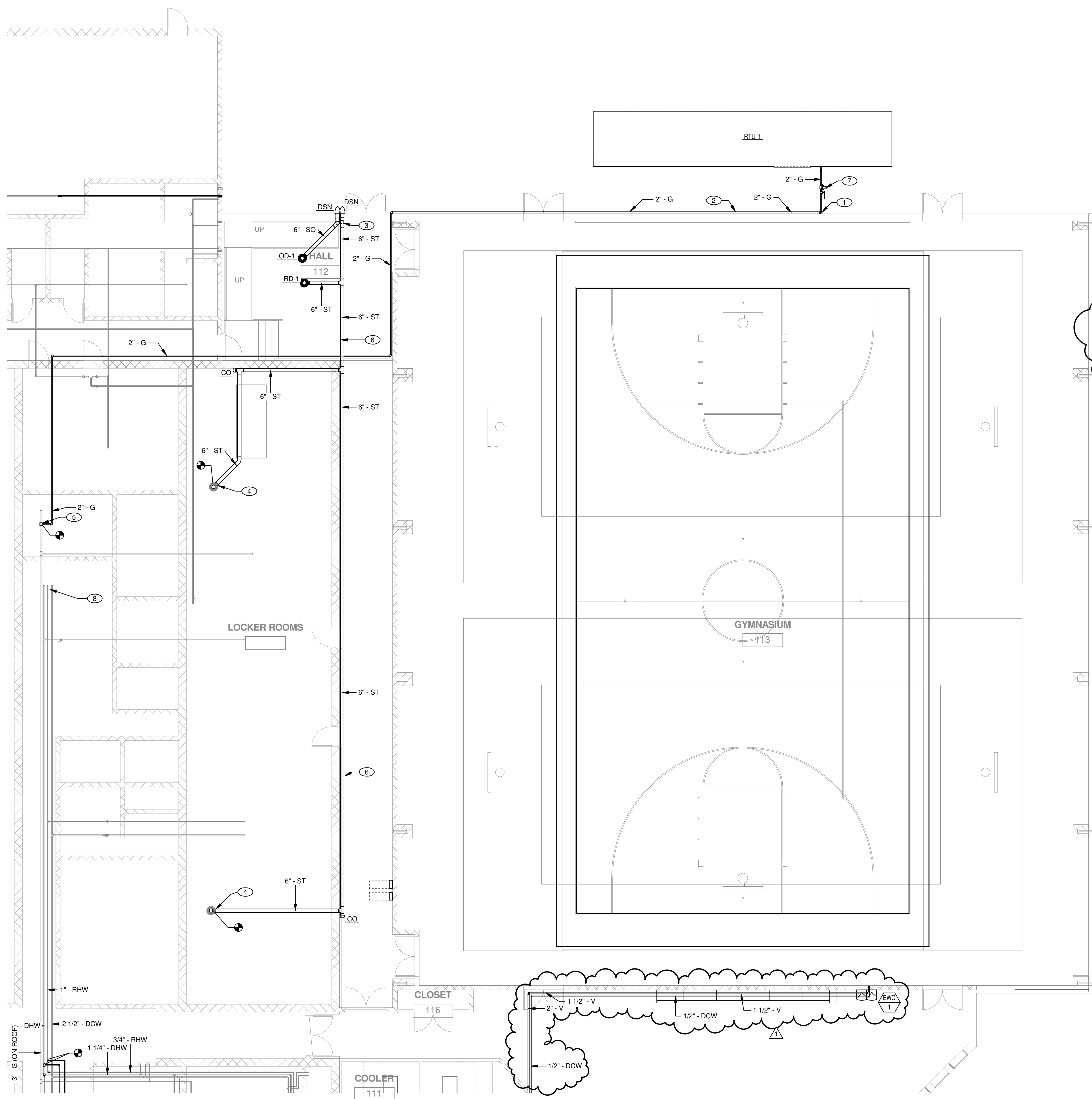
PROJECT #: R2113
 DATE: 02/28/14
 DRAWN: EEM

REVISIONS	
DATE	DESCRIPTION
3/19/14	ADDENDUM #1

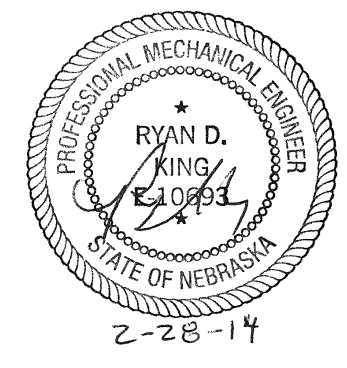
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SHEET
PL101



PLUMBING KEYNOTES	
Key Value	Keynote Text
1	ROUTE 2" 2PSIG LINE DOWN TIGHT TO WALL. ROUTE ALONG GROUND TO RTU-1. SEE DETAIL 6/P-501 FOR INSTALLATION REQUIREMENTS.
2	ROUTE 2" 2PSIG TIGHT TO WALL AS HIGH AS POSSIBLE. COORDINATE ROUTING WITH DUCTWORK.
3	ROUTE 6" STORM AND 6" STORM OVERFLOW PIPING DOWN IN WALL AND THRU EXTERIOR WALL TO DOWNSPOUT NOZZLE, DSN. INSTALL PIPING ON WARM SIDE OF WALL.
4	CONNECT NEW 6" STORM LINE TO EXISTING ROOF DRAIN SUMP OUTLET AND ROUTE HORIZONTALLY AS HIGH AS POSSIBLE IN JOIST SPACE.
5	CONNECT NEW 2" 2PSIG LINE TO EXISTING GAS LINE ON ROOF AND ROUTE AS SHOWN. SEE DETAIL 6/P-501 FOR PIPE SUPPORT REQUIREMENTS.
6	ROUTE 6" STORM LINE AS HIGH AS POSSIBLE IN CEILING SPACE.
7	INSTALL SHUTOFF VALVE AND POUNDS TO INCHES GAS PRESSURE REGULATOR ON GAS LINE SERVING HVAC EQUIPMENT. SET OUTLET PRESSURE TO 14" WATER COLUMN.
8	ADJUST EXISTING HOT WATER RECIRCULATION PUMP TO ACCOMMODATE ADDITIONAL 1.0 GPM RECIRCULATION LOAD. FIELD VERIFY EXISTING LOCATION AND CONDITION OF EXISTING RECIRCULATION PUMP.



ADDITIONS & ALTERATIONS

SHELTON PUBLIC SCHOOLS

PROJECT #: R2113
DATE: 02/28/14
DRAWN: EEM

REVISIONS	
DATE	DESCRIPTION
3/19/14	ADDENDUM #1

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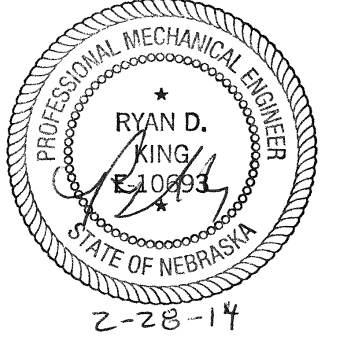


SHEET
PL102

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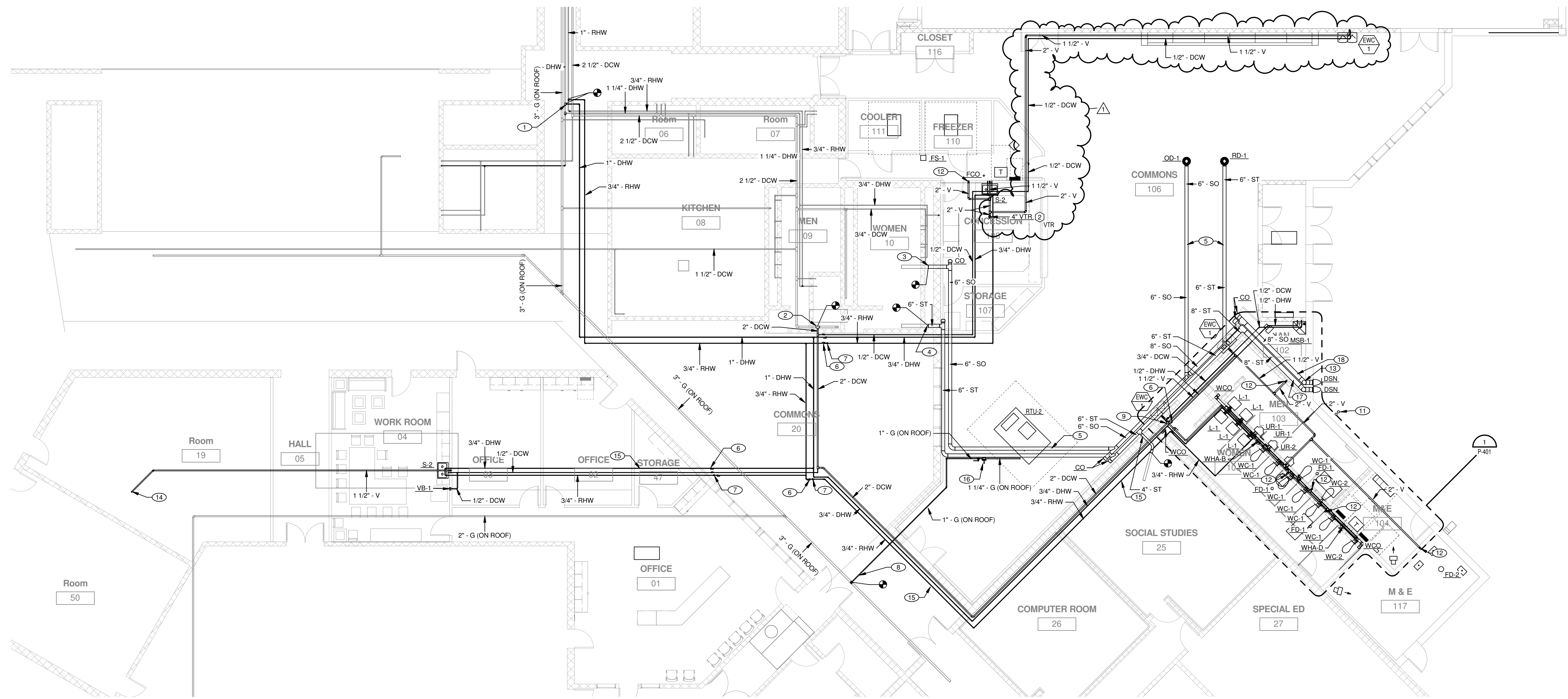
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① LEVEL 1 PLUMBING - SOUTH
1/8" = 1'-0"



PLUMBING KEYNOTES	
Key Value	Keynote Text
1	CONNECT NEW 1" DHW AND 3/4" RHW LINES TO EXISTING LINES OF APPROPRIATE SIZE IN THIS APPROXIMATE LOCATION.
2	CONNECT NEW 2" DCW LINE TO EXISTING COLD WATER LINE IN THIS APPROXIMATE LOCATION.
3	CONNECT NEW 6" STORM OVERFLOW LINE TO EXISTING 6" STORM OVERFLOW LINE IN CEILING ABOVE CHASE SPACE IN THIS APPROXIMATE LOCATION. ASSUMED ELEVATION IS APPROXIMATELY 10'-6" A.F.F. CONTRACTOR TO VERIFY EXISTING PRIOR TO ROUTING NEW LINE.
4	CONNECT NEW 6" STORM LINE TO EXISTING 6" STORM LINE IN CEILING ABOVE CHASE SPACE IN THIS APPROXIMATE LOCATION. ASSUMED ELEVATION IS APPROXIMATELY 10'-6" A.F.F. CONTRACTOR TO VERIFY EXISTING PRIOR TO ROUTING NEW LINE.
5	ROUTE STORM LINES IN CEILING SPACE AS HIGH AS POSSIBLE IN COMMONS 106. COORDINATE ROUTING WITH OTHER TRADES AND MAINTAIN A 1/8" PER FOOT SLOPE, TYPICAL.
6	INSTALL ISOLATION VALVES SERVING WATER LINES IN CEILING SPACE IN THIS LOCATION.
7	INSTALL NEW AUTO-FLOW CONTROL VALVE ON RHW LINE IN THIS LOCATION. SET AT 0.5 GPM.
8	CONNECT NEW 1" 2PSIG TO EXISTING GAS LINE ON ROOF AND ROUTE AS SHOWN TO RTU-2. SEE GAS PIPE SUPPORT DETAIL 6/P-501 FOR INSTALLATION REQUIREMENTS.

PLUMBING KEYNOTES	
Key Value	Keynote Text
9	INSTALL 12"x12" LOCKABLE ACCESS PANEL IN CEILING TO PROVIDE ACCESS TO SHUTOFF VALVES IN THIS LOCATION.
10	SEE FLUSH VALVE ELEVATION DETAIL 4/P-501 FOR INSTALLATION REQUIREMENTS.
11	TWO-WAY CLEANOUT. SEE 3/P-501 FOR INSTALLATION REQUIREMENTS
12	2" VENT LINE UP IN WALL FROM BELOW FLOOR.
13	INSTALL 8" STORM AND 8" STORM OVERFLOW LINES DOWN TIGHT TO WALL IN THIS LOCATION AND THROUGH EXTERIOR WALL TO DOWNSPOUT NOZZLE DSN. TERMINATE DOWNSPOUT AT APPROXIMATELY 12" ABOVE FINISHED GRADE.
14	CONNECT NEW 1-1/2" VENT LINE TO EXISTING VENT LINE UP TO VENT-THRU-ROOF IN THIS APPROXIMATE LOCATION.
15	SEE 2/P-501 FOR PIPE SUPPORT INSULATION REQUIREMENTS, TYPICAL.
16	INSTALL SHUTOFF VALVE AND POUNDS TO INCHES GAS PRESSURE REGULATOR ON GAS LINE SERVING HVAC EQUIPMENT. SET OUTLET PRESSURE TO 14" WATER COLUMN.
17	APPROXIMATE ELEVATION OF 8" STORM LINE IN THIS LOCATION IS 9'-5" A.F.F., BASED ON ASSUMED ELEVATION IN WOMEN'S RESTROOM.
18	APPROXIMATE ELEVATION OF 8" STORM OVERFLOW LINE IN THIS LOCATION IS 9'-4" A.F.F., BASED ON ASSUMED ELEVATION IN WOMEN'S RESTROOM.



1 LEVEL 1 PLUMBING - NORTH
 1/8" = 1'-0"

ADDITIONS & ALTERATIONS

SHELTON PUBLIC SCHOOLS

PROJECT #: R2113
 DATE: 02/28/14
 DRAWN: EEM

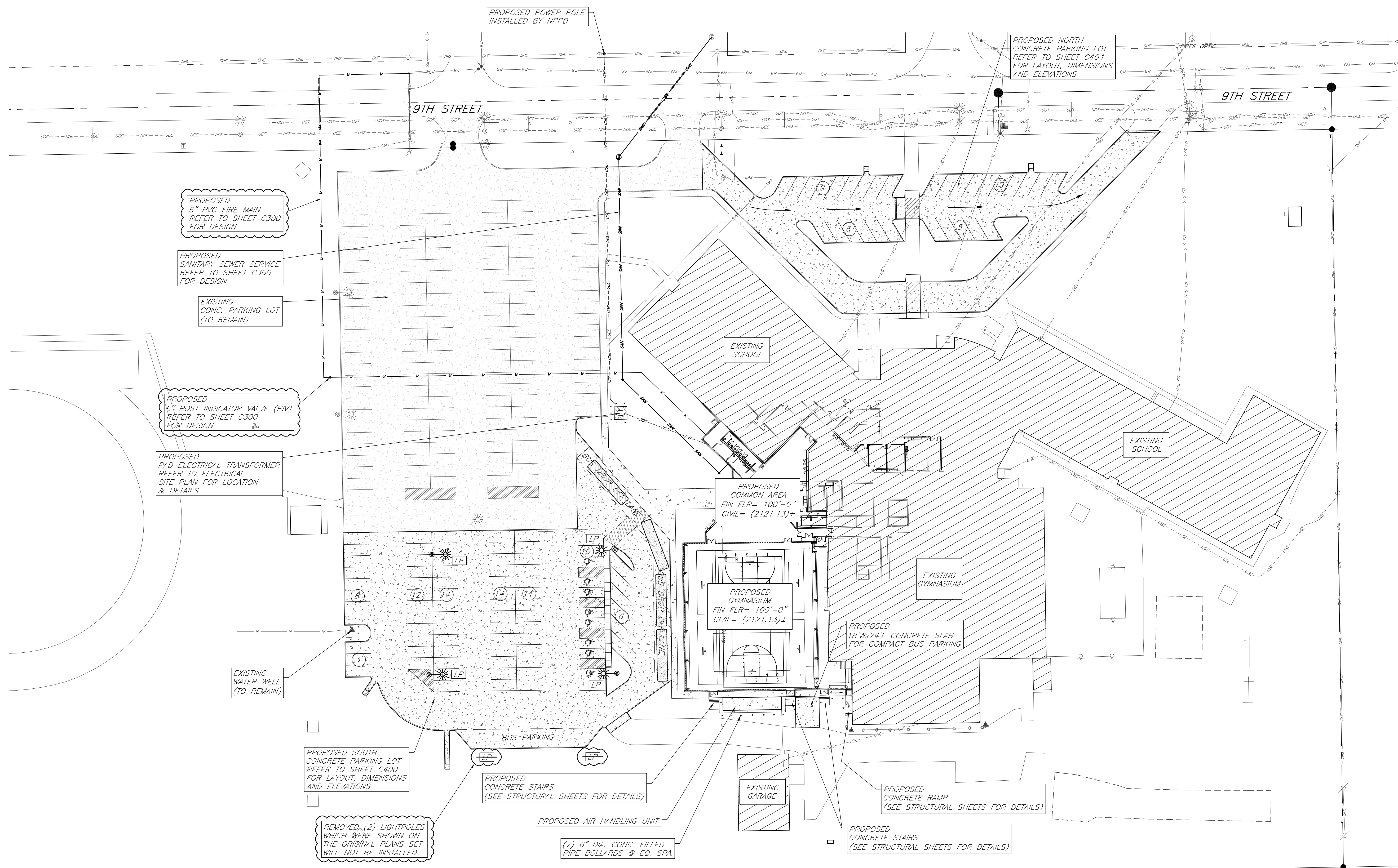
REVISIONS	
DATE	DESCRIPTION
3/19/14	ADDENDUM #1

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ADDITIONS & ALTERATIONS

SHELTON PUBLIC SCHOOLS

PROJECT #: R2113
 DATE: 02/28/14
 DRAWN: JEM

REVISIONS	DATE	DESCRIPTION
3-14-14		
3-21-14		

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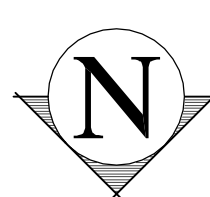
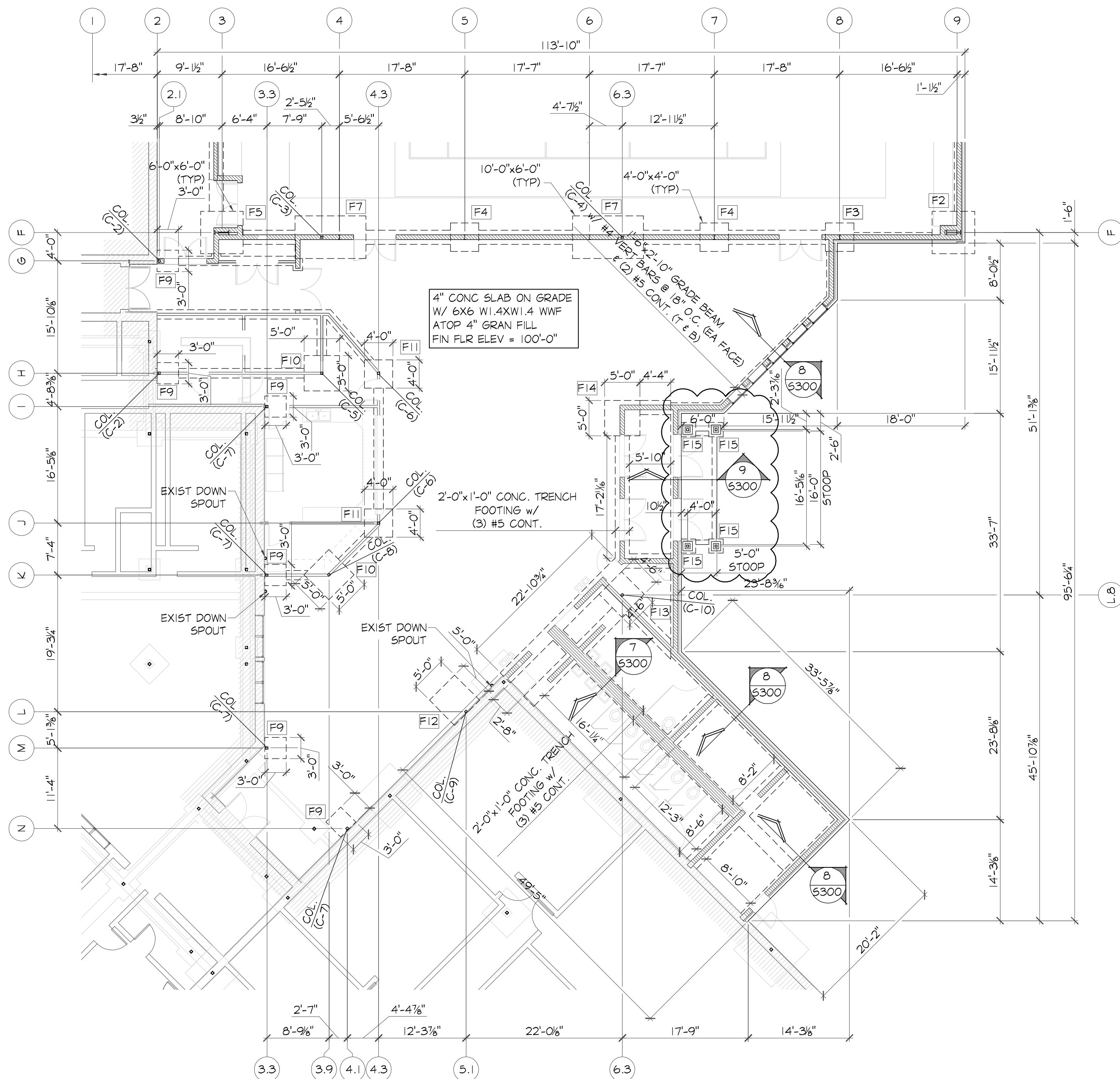
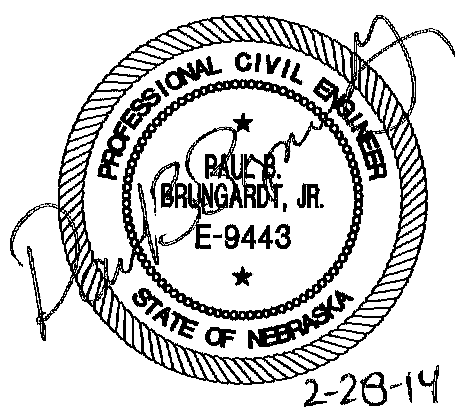
UTILITY INFORMATION
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CALL 1-800-331-5666
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OVERALL SITE PLAN
SHELTON PUBLIC SCHOOLS
 SCALE: 1:40

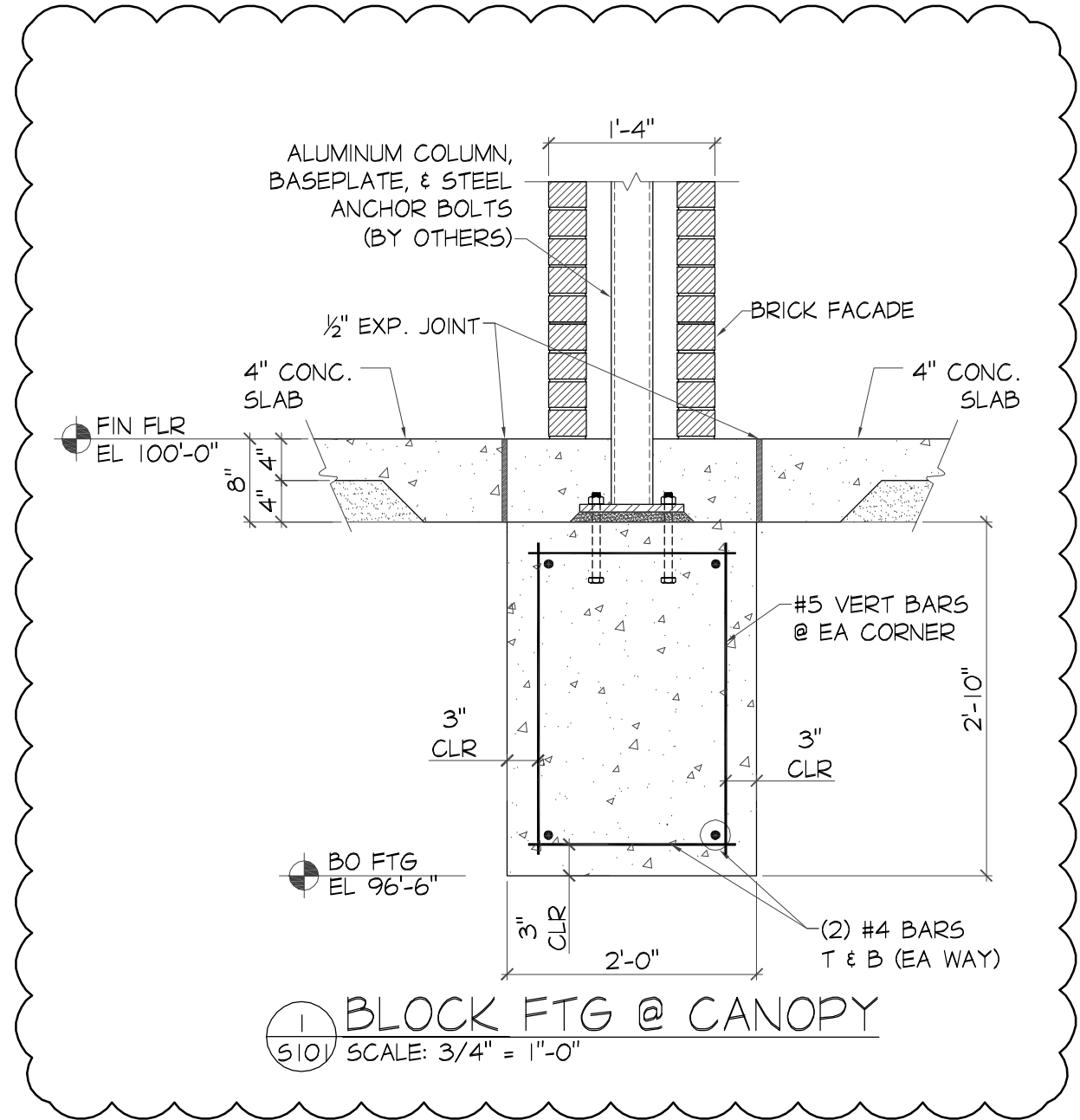
*NOTE:
 [Symbol] DENOTES PROPOSED LIGHT POLE
 REFER TO ELECTRICAL SITE PLAN FOR
 LOCATION AND DETAILS



FOUNDATION PLAN - COMMONS AREA / BATHROOMS

SCALE: 3/32" = 1'-0"

FOUNDATION SCHEDULE						
FOOTING NO.	DETAIL SECTION	FOOTING		PEDESTAL		
		DIMENSION	REINFORCEMENT	DIMENSION	REINFORCEMENT	
F1	2/5300	8'-0"x8'-0"x2'-0" DP	(9) #5 BARS @ EQ. SPA. (T & B) (EA. WAY)	2'-0"x 4'-0"x2'-10" DP	(12) #6 VERT BENT BAR @ EQ SPA w/ (4) #4 STIRRUPS @ EQ SPA	
F2	2/5300	6'-0"x6'-0"x2'-0" DP	(7) #5 BARS @ EQ. SPA. (T & B) (EA. WAY)	2'-0"x 4'-0"x2'-10" DP	(12) #6 VERT BENT BAR @ EQ SPA w/ (4) #4 STIRRUPS @ EQ SPA	
F3	3/5300	4'-0"x4'-0"x2'-0" DP	(5) #5 BARS @ EQ. SPA. (T & B) (EA. WAY)	2'-0"x 1'-4"x2'-10" DP	(4) #5 VERT BENT BAR @ EQ SPA w/ (4) #4 STIRRUPS @ EQ SPA	
F4	6/5300	4'-0"x4'-0"x1'-6" DP	(5) #5 BARS @ EQ. SPA.	2'-0"x 1'-4"x0'-8" DP	(4) #5 VERT BENT BAR @ EQ SPA w/ (4) #4 STIRRUPS @ EQ SPA	
F5	5/5300	6'-0"x6'-0"x1'-6" DP	(7) #5 BARS @ EQ. SPA.	2'-0"x 4'-0"x0'-8" DP	(12) #6 VERT BENT BAR @ EQ SPA w/ (2) #4 STIRRUPS @ EQ SPA	
F6	5/5300	8'-0"x8'-0"x1'-6" DP	(9) #5 BARS @ EQ. SPA.	2'-0"x 4'-0"x0'-8" DP	(12) #6 VERT BENT BAR @ EQ SPA w/ (2) #4 STIRRUPS @ EQ SPA	
F7	5/5300	10'-0"x6'-0"x1'-6" DP	(11) #5 BARS @ EQ. SPA (LONG) (7) #5 BARS @ EQ. SPA (SHORT) (T & B) (EA. WAY)	5'-6"x 1'-4"x0'-8" DP	(12) #5 VERT BENT BAR @ EQ SPA w/ (4) #4 STIRRUPS @ EQ SPA	
F8	10/5300	3'-0"x3'-0"x1'-0" DP	(4) #4 BARS @ EQ. SPA. (EA. WAY)	N/A	N/A	
F9	12/5300	3'-0"x3'-0"x1'-0" DP	(4) #4 BARS @ EQ. SPA. (EA. WAY)	N/A	N/A	
F10	10/5300	5'-0"x5'-0"x1'-0" DP	(6) #5 BARS @ EQ. SPA. (EA. WAY)	N/A	N/A	
F11	10/5300	4'-0"x4'-0"x1'-0" DP	(5) #4 BARS @ EQ. SPA. (EA. WAY)	N/A	N/A	
F12	12/5300	5'-0"x5'-0"x1'-0" DP	(6) #5 BARS @ EQ. SPA. (EA. WAY)	N/A	N/A	
F13	10/5300	4'-6"x4'-6"x1'-0" DP	(5) #4 BARS @ EQ. SPA. (EA. WAY)	N/A	N/A	
F14	11/5300	5'-0"x5'-0"x1'-0" DP	(6) #5 BARS @ EQ. SPA. (EA. WAY)	N/A	N/A	
F15	1/5101	2'-0"x2'-0"x2'-10" DP	(2) #4 BARS @ EQ. SPA. (T & B) (EA. WAY) #5 VERT BARS @ CORNERS	N/A	N/A	



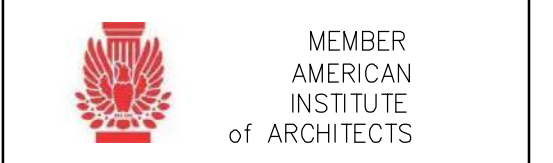
ADDITIONS & ALTERATIONS

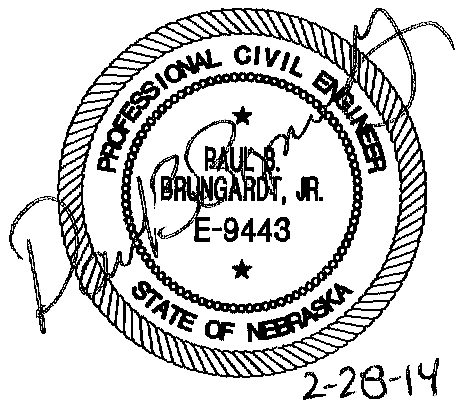
SHELTON PUBLIC SCHOOLS

PROJECT #: R2113
 DATE: 02/28/14
 DRAWN: J. MARSHALL

REVISIONS	DATE	DESCRIPTION
3-14-14		

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ADDITIONS & ALTERATIONS

SHELTON PUBLIC SCHOOLS

PROJECT #: R2113
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 DRAWN: JEM

DATE	DESCRIPTION
3-14-14	

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SHEET
C300

SUMMATION OF QUANTITIES	
UTILITIES	
CONSTRUCT:	
48" DIA. CONC. TYPE "B" SAN. SEWER MANHOLE	1 EA
FURNISH & INSTALL:	
6" PVC SAN. SEWER	341 LF
4" PVC SAN. SEWER	10 LF
6" PVC CLEANOUT W/ CAP	2 EA
4" VCP PLUG	1 EA
6" CONC. FILLED STEEL BOLLARD	5 EA
BORE & JACK:	
6" PVC SAN. SEWER	60 LF
12" DIP CASING	60 LF

QUANTITIES SHOWN ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL QUANTITIES SHOWN PRIOR TO BIDDING AND CONSTRUCTION.

NOTE: SANITARY SEWER MAINS AND SERVICES SHALL BE LAID A MINIMUM OF 10' HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. THE DISTANCE IS TO BE MEASURED FROM OUTSIDE TO OUTSIDE EDGE OF PIPE. WHEN THIS MINIMUM HORIZONTAL DISTANCE IS NOT MET OR WHEN A WATER MAIN OR SERVICE CROSSES, THE BOTTOM OF THE WATER MAIN MUST BE AT LEAST 18 INCHES ABOVE THE TOP OF THE SANITARY SEWER.

UTILITIES:
 UTILITIES ARE SHOWN AS A CONVENIENCE FOR THE CONTRACTOR. THE LOCATIONS OF ALL AERIAL AND UNDERGROUND FACILITIES MAY NOT BE INDICATED ON THESE PLANS. UNDERGROUND UTILITIES, WHETHER INDICATED OR NOT, WILL BE LOCATED BY THE UTILITY COMPANIES AT THE CONTRACTOR'S REQUEST. NO EXCAVATION WILL BE PERMITTED IN THE AREA OF THE UNDERGROUND UTILITIES UNTIL ALL FACILITIES HAVE BEEN LOCATED AND IDENTIFIED TO THE SATISFACTION OF ALL PARTIES AND THEN ONLY WITH EXTREME CARE TO AVOID ANY POSSIBILITY OF DAMAGES TO THE FACILITIES. THE CONTRACTOR SHALL BEAR THE ENTIRE COST OF DAMAGE TO ANY UNDERGROUND UTILITY DAMAGED BY CONSTRUCTION OPERATIONS.

VERIFY ALL EXISTING CONDITIONS. ANY DISCREPANCY BETWEEN EXISTING CONDITIONS AND THOSE SHOWN ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. FIELD VERIFY ANY DIMENSIONS.

MINIMUM ALLOWABLE HORIZONTAL CLEARANCE BETWEEN SAN. SEWER MAINS AND SERVICES AND WATER MAINS AND SERVICES SHOULD BE 10'. THE DIMENSIONS IS MEASURED FROM OUTER EDGE OF PIPES.

CONSTRUCT:
 48" DIA. CONC. TYPE "B" SAN. SEWER MANHOLE
 RIM ELEV.= 2118.00
 6" PVC INV. ELEV. (S)= 2113.09
 6" PVC INV. ELEV. (NE)= 2112.50
 DEPTH= 5.50±

FURNISH & INSTALL:
 175 LF- 6" PVC (S) @ +1.0% SLOPE

BORE & JACK:
 60 LF- 6" PVC (NE) @ -1.0% SLOPE UNDER EXIST. STREET
 (INCLUDE 12" DIP CASING FOR 6" PVC SAN. SEWER)
FURNISH ADDITIONAL:
 60 LF- 6" PVC (NE) @ -1.0% SLOPE (NOT UNDER ROADWAY)

MAINTAIN MIN. 10' HORIZONTAL SEPARATION BETWEEN PROPOSED 6" PVC SANITARY SEWER SERVICE & PROPOSED 4" PVC ELECTRICAL SERVICE

TAP EXISTING SANITARY SEWER MANHOLE
 RIM ELEV.= 2119.50±
 EXIST. FL= 2110.16±
 6" PVC INV. ELEV.= 2111.30
 DEPTH= 9.34'
 (FIELD VERIFY LOCATION & ELEVATIONS)

EXISTING POWER POLE (FIELD VERIFY)

BORE & JACK 6" PVC W/ 12" DIP

EXISTING POWER POLE

PROPOSED POWER POLE INSTALLED BY NPPD

9TH STREET

9TH STREET

MAINTAIN 10.0' MIN. HORIZONTAL DISTANCE BETWEEN ELEC. CONDUIT AND SANITARY SEWER SERVICE

EXISTING SCHOOL

EXISTING SCHOOL

PROPOSED COMMON AREA
 FIN FLR= 100'-0"
 CIVIL= (2121.13)±

PROPOSED GYMNASIUM/
 FIN FLR= 100'-0"
 CIVIL= (2121.13)±

EXISTING GYMNASIUM

EXISTING GARAGE

EXISTING PARKING LOT

BUS PARKING

PROPOSED CONC. PARKING LOT

PROPOSED LIGHT POLE REFER TO ELECTRICAL SITE PLAN FOR LOCATION & DETAILS

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UTILITY INFORMATION

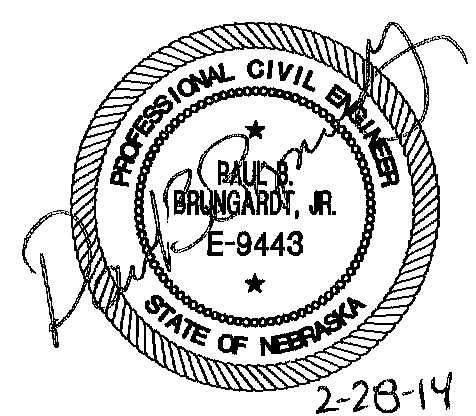
CONTACT ALL UTILITY COMPANIES FOR EXACT LOCATIONS PRIOR TO ANY CONSTRUCTION OR EXCAVATION AT 1-800-331-5666, OR 811. ALSO ONLINE AT WWW.NE-DIGGERS.COM

DIGGERS HOTLINE OF NEBRASKA

CALL 1-800-331-5666 PRIOR TO CONSTRUCTION

SITE UTILITY PLAN
SHELTON PUBLIC SCHOOLS
 SCALE: 1:40

NOTE:
 LP DENOTES PROPOSED LIGHT POLE REFER TO ELECTRICAL SITE PLAN FOR LOCATION AND DETAILS



ADDITIONS & ALTERATIONS

SHELTON PUBLIC SCHOOLS

SUMMATION OF QUANTITIES	
PAVEMENT - SOUTH PARKING LOT	
6" THK TYPE 47B MOD. CONC. PVMT	40,766 SF
6" SUBGRADE PREPARATION	44,843 SF
6" THK TYPE 47B CONC. SIDEWALK	4,825 SF
6" CONC. CURB	774 LF
1" EXPANSION JOINT	308 LF
ADA HANDICAP RAMP	6 EA

ALL QUANTITIES PROVIDED ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ALL NECESSARY QUANTITIES FOR BID.

GENERAL NOTES
 ELEVATIONS INDICATED ARE FINISHED GRADES EXCLUDING LANDSCAPING. SUBTRACT PAVEMENT AND SUB GRADE THICKNESS TO DETERMINE SUB GRADE ELEVATIONS. SEE TYPICAL SECTION DETAILS FOR PAVEMENT TYPE AND THICKNESS.

CONCRETE PAVEMENT SHALL BE CURED USING A WHITE PIGMENTED LIQUID MEMBRANE FORMING CURING COMPOUND THAT HAS BEEN APPROVED BY THE STATE OF NEBRASKA DEPARTMENT OF ROADS. THE MINIMUM RATE OF APPLICATION SHALL BE 200 SF PER GALLON IF A MECHANICAL-POWERED SPRAYER IS USED AND 100 SF PER GALLON IF A HAND-POWERED SPRAYER IS USED.

A DIAMOND EDGE SAW BLADE SHALL BE USED FOR CUTTING ALL REQUIRED CONTRACTION AND LONGITUDINAL PAVEMENT JOINTS. ALL SAW CUTS REQUIRED SHALL BE SUBSIDIARY TO ITEMS FOR WHICH DIRECT PAYMENT IS MADE.

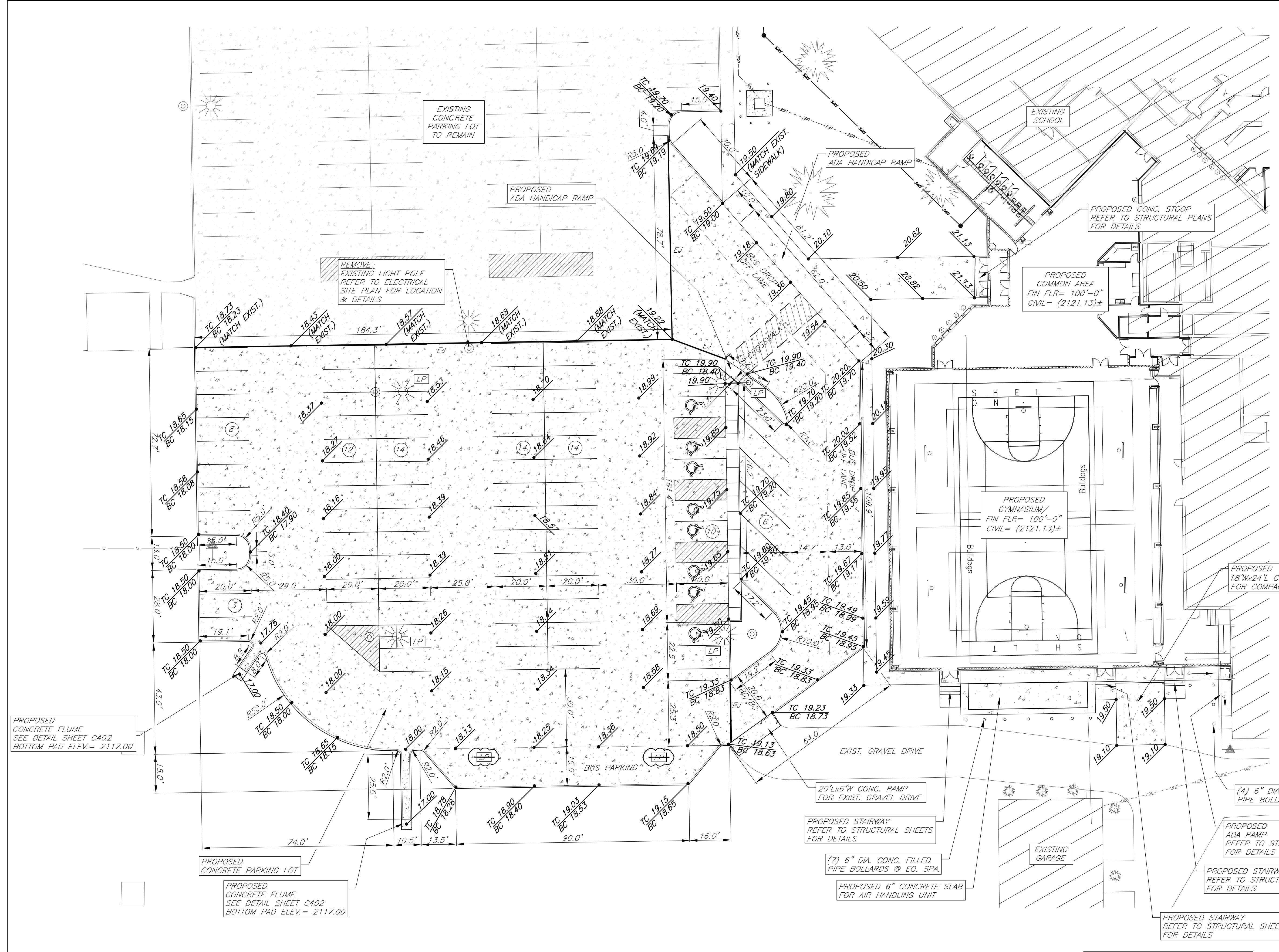
CONCRETE PAVEMENT SHALL BE 6 INCHES THICK PORTLAND CEMENT CONCRETE, CLASS 47B CONCRETE AS PER NEBRASKA DEPARTMENT OF ROADS SPECIFICATIONS. CONCRETE PAVEMENT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI.

SIDEWALK PAVEMENT SHALL BE 4 INCHES THICK PORTLAND CEMENT CONCRETE, CLASS 47B CONCRETE AS PER NEBRASKA DEPARTMENT OF ROADS SPECIFICATIONS. CONCRETE SIDEWALK PAVEMENT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI.

SHOW CONSTRUCTION JOINTS WITH KEYWAY OR SAWED JOINTS IN NEW CONCRETE AS SHOWN ON PLANS. SEE DETAIL.

ALIGN ALL NEW PAVING SURFACES, GRADES, ETC. WITH EXISTING SURFACES AND GRADES TO FORM CONTINUOUS FINISHED SURFACE.

EJ DENOTES EXPANSION JOINT



PROPOSED CONCRETE FLUME
 SEE DETAIL SHEET C402
 BOTTOM PAD ELEV. = 2117.00

PROPOSED CONCRETE FLUME
 SEE DETAIL SHEET C402
 BOTTOM PAD ELEV. = 2117.00

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SOUTH PAVEMENT PLAN
SHELTON PUBLIC SCHOOLS
 SCALE: 1:20

*NOTE:
 (LP) DENOTES PROPOSED LIGHT POLE REFER TO ELECTRICAL SITE PLAN FOR LOCATION AND DETAILS

PROJECT #: R2113
 DATE: 02/28/14
 DRAWN: JEM

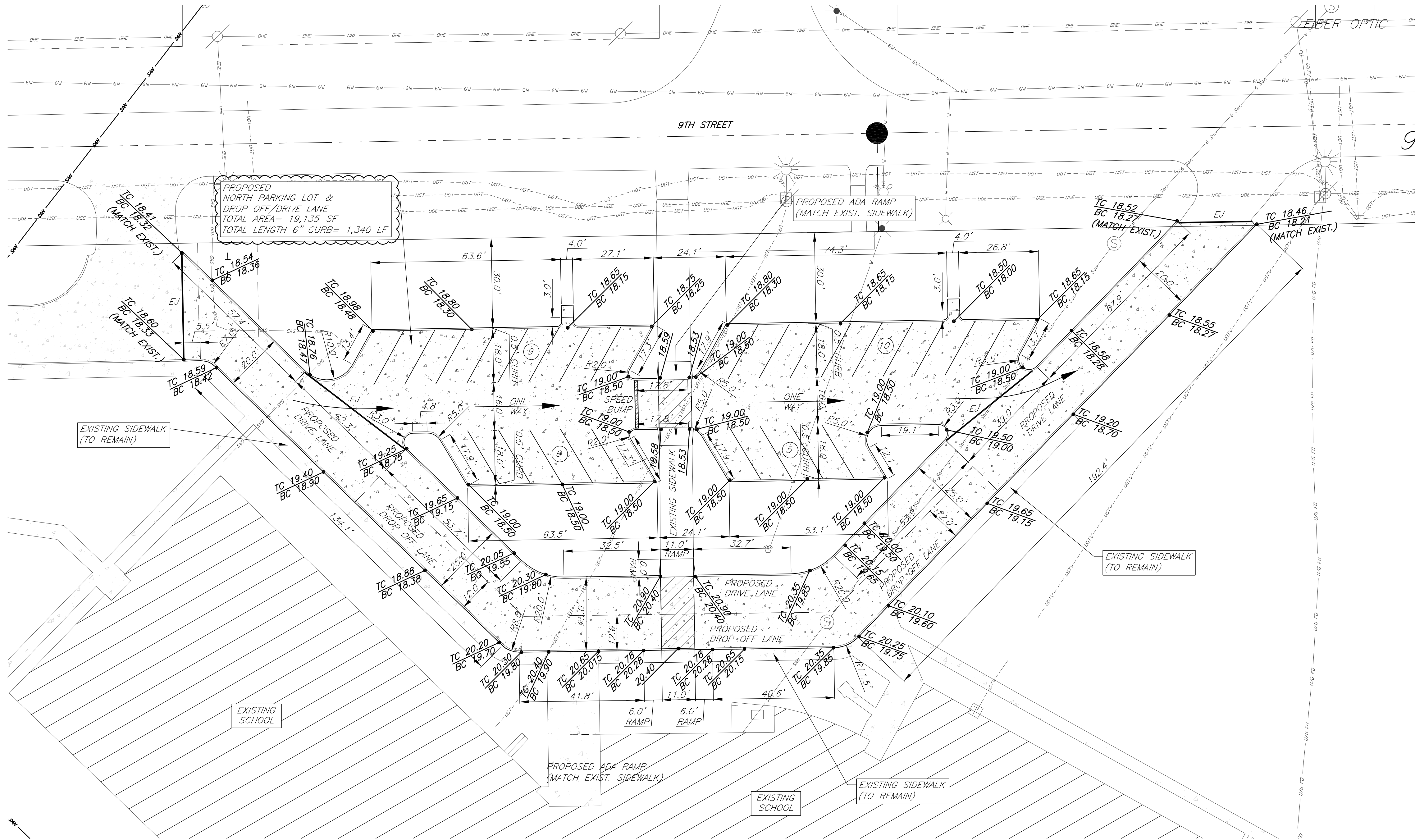
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 • CIVIL AND STRUCTURAL ENGINEERING • PROJECT # 2014-001

SHEET C400



SUMMATION OF QUANTITIES PAVEMENT NORTH PARKING LOT	
6" THK TYPE 47B MOD. CONC. PVMT	19,135 SF
6" SUBGRADE PREPARATION	21,050 SF
4" THK TYPE 47B CONC. SIDEWALK	319 SF
6" CONC. CURB	1,340 LF
1" EXPANSION JOINT	4 EA
ADA HANDICAP RAMP	1 EA
SPEED BUMP	1 EA

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A DIAMOND EDGE SAW BLADE SHALL BE USED FOR CUTTING ALL REQUIRED CONTRACTION AND LONGITUDINAL PAVEMENT JOINTS. ALL SAW CUTS REQUIRED SHALL BE SUBSIDIARY TO ITEMS FOR WHICH DIRECT PAYMENT IS MADE.

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SHOW CONSTRUCTION JOINTS WITH KEYWAY OR SAWS JOINTS IN NEW CONCRETE AS SHOWN ON PLANS. SEE DETAIL.

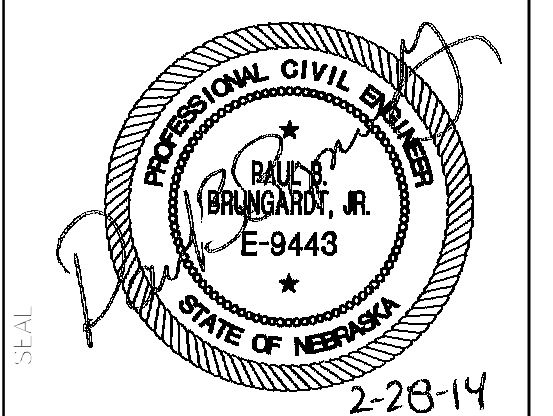
ALIGN ALL NEW PAVING SURFACES, GRADES, ETC. WITH EXISTING SURFACES AND GRADES TO FORM CONTINUOUS FINISHED SURFACE.

EJ DENOTES EXPANSION JOINT

**NORTH PAVEMENT PLAN
SHELTON PUBLIC SCHOOLS**
SCALE: 1:20

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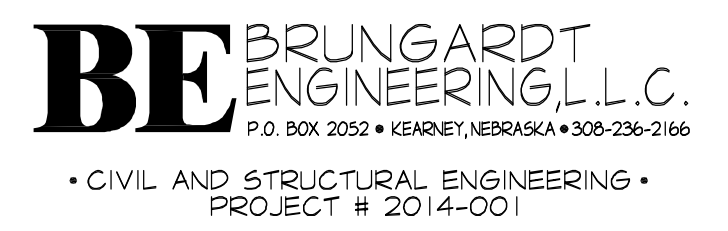


ADDITIONS & ALTERATIONS

SHELTON PUBLIC SCHOOLS

PROJECT #:	R2113
DATE:	02/28/14
DRAWN:	JEM
REVISIONS	
DATE	DESCRIPTION
3-14-14	

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SHEET C401