ADDENDUM NO. 1

The Architect/Engineer issues this addendum, applicable to the above named project, to all known Contractors before receipt of proposal.

This addendum includes Item Number 1-1 thru 1-49. This addendum item shall be fully incorporated into the Bidding/Contract Documents and have the same force and effect as though originally included.

The Bidder shall acknowledge receipt of this Addendum No. 1 on the Bid Proposal Form in the place provided.

GENERAL BIDDING REQUIREMENTS AND CONDITIONS OF THE CONTRACT

Item 1-1: Pre-Bid Sign-In

Attached is a list of pre-bid attendees.

Item 1-2: Bid Form

This section has been added in its entirety as part of this addendum.

Item 1-3: Section 01 23 00 – Alternates

Refer to Paragraph 3.1 Schedule of Alternates: Add the following subparagraphs:

A. Alternate No. 1: Delete exterior door access control system. (All conduit rough-in to remain).
B. Alternate No. 2: Delete acoustical cementitious wood fiber panel assemblies in rooms A162, A163, D108, D109.
C. Alternate No. 3: Provide 2” base polyiso roof insulation in lieu of 4” base polyiso roof insulation in Areas B, C, D and E.
D. Alternate No. 4: Orient insulated precast wall panels vertically in lieu of horizontally in Areas B, C, D and E.
E. Alternate No. 5: Reduce insulated precast wall panel height 6” in Areas B, C, D and E.
F. Alternate No. 6: Delete upper cabinet over Classroom coat cubbies / lockers. Refer to Sheet 6/A6.20, WC-4 Section.
G. Alternate No. 7: Delete work associated with the retrofit of the existing showers in Men’s Shower A145.1 and A145.2.
H. Alternate No.8: Delete Resilient Flooring RF-1 in Weight A163.
I. Alternate No. 9: Delete installation of CC-1, ACCU-1 and all associated work with existing AHU-1.

LANDSCAPE ARCHITECTURAL

General

Item 1-4: Concrete Pavement Question 1

Q: Please verify that we are in fact using wire mesh in the paving.
A: All 4" thick concrete pavement is to have wire mesh as per details 1-3 on L6.01. All 7" thick concrete pavement is not to have wire mesh.

Drawings

Item 1-5: L2.01 – Site Layout Plan

- Change all notes on drawing that reference 8" Th. Reinforced Concrete Pavement to be 7" Th. Reinforced Concrete Pavement as called out in Pavement Legend
- Refer to Pavement Legend. Pavement color to be Midnight in lieu of Silver
- Refer to SDL-001 for pavement and curb changes.

Item 1-6: L6.01 – Site Details

Refer to Detail 13. SDL-002 to replace Detail 13

ARCHITECTURAL

Specifications

Item 1-7: Section 03 30 00 – Cast-In-Place Concrete

Refer to paragraph 2.6, A, 1, subject to compliance with the requirements of this section, add Viper Vaporcheck II 15 mil Class A Vapor Barrier as an acceptable manufacturer / material.

Item 1-8: Section 06 41 13 – Wood-Veneer-Faced Architectural Cabinets

- Refer to paragraph 1.5.A. CHANGE text to read: **Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.**
- Refer to paragraph 1.5.B. CHANGE text to read: **Installer Qualifications: Shop that employs skilled workers who install products similar to those required for this Project and whose products have a record of successful in-service performance.**
- Refer to section 2.2. ADD paragraph 2.2.A.1: **The Contract Documents contain selections chosen from options in the AWI quality standard and additional requirements beyond those of the quality standard. Comply with those selections and requirements in addition to the quality standard. AWI Quality Certificates are not required.**

Item 1-9: Section 06 41 16 – Plastic-Laminate-Faced Architectural Cabinets

- Refer to paragraph 1.5.A. CHANGE text to read: **Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.**
- Refer to paragraph 1.5.B. CHANGE text to read: **Installer Qualifications: Shop that employs skilled workers who install products similar to those required for this Project and whose products have a record of successful in-service performance.**
- Refer to paragraph 2.1.A. DELETE paragraph 2.1.A.1.
- Refer to paragraph 2.1.A.2. CHANGE text to read: **The Contract Documents contain selections chosen from options in the AWI quality standard and additional requirements beyond those of the quality standard. Comply with those selections and requirements in addition to the quality standard. AWI Quality Certificates are not required.**
- Refer to paragraph 2.1.K.1.b. CHANGE text to read: **PL-6: Abet Laminati, Color: 482 (SEI)**.

Item 1-10: Section 06 42 16 – Flush-Wood Paneling

- Refer to paragraph 1.6.A. CHANGE text to read: **Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.**
- Refer to paragraph 1.6.B. CHANGE text to read: **Installer Qualifications: Shop that employs skilled workers who install products similar to those required for this Project and whose products have a record of successful in-service performance.**
- Refer to paragraph 2.2.A.1. CHANGE text to read: **The Contract Documents contain selections chosen from options in the AWI quality standard and additional requirements beyond those of the quality standard. Comply with those selections and requirements in addition to the quality standard. AWI Quality Certificates are not required.**

Item 1-11: Section 07 21 00 – Thermal Insulation

Refer to section 3.3 Installation of Below Grade Insulation. To comply with the Nebraska Energy Code, a combination of vertical and horizontal rigid insulation must be provided for a total length of 48". It is acceptable that the rigid insulation extend to the bottom of the grade beam as indicated on the structural details rather than stopping 24" below grade as indicated on the architectural details. Assume that the Area A precast wall panels will be solid concrete below grade so they will need to be insulated.

Item 1-12: Section 07 42 43 – Aluminum Composite Panels

Refer to paragraph 2.1, A, subject to compliance with the requirements of this section, add SGH Sieccoline as an acceptable manufacturer.

Item 1-13: Section 07 62 00 – Sheet Metal Flashing and Trim

- Refer to paragraph 2.8.A.. Add subparagraph 2.8.A.4: Subject to compliance with all Performance Criteria, the Contractor, at his option, may substitute manufactured metal copings in lieu of shop formed copings as specified. Profile and finishes shall be as indicated on the drawings. Provide products by one of the following manufacturers:
- Refer to subparagraph 2.8.A.4. Add subparagraph 2.8.A.4.a: **Architectural Products Company**
- Refer to subparagraph 2.8.A.4. Add subparagraph 2.8.A.4.b: **Hickman Company, W.P.**
- Refer to subparagraph 2.8.A.4. Add subparagraph 2.8.A.4.c: **Petersen Aluminum Corporation.**
- Refer to subparagraph 2.8.A.4. Add subparagraph 2.8.A.4.d: **Or equal if and as specifically approved by Architect by Addendum during the bidding period.**

Item 1-14: Section 08 71 00 – Door Hardware

This section has been revised and reissued in its entirety as part of this Addendum.

Item 1-15: Section 09 30 00 – Tile

- Refer to paragraph 2.1.G.1.b.2. CHANGE text to read: **CT-3, Design Positive Home Colours, 8" x 20" tiles, Color—Bleu Atoll, 05.**
- Refer to paragraph 2.3.C.3. CHANGE text to read: **MAPEI Corporation: Mapeguard 2 elastomeric sheet membrane.**
- Refer to paragraph 2.4.B.3. CHANGE text to read: **MAPEI Corporation: Mapelastic AquaDefense , (IAPMO certification), Waterproof/Crack Isolation Membrane.**
- Refer to paragraph 2.4.B.4. CHANGE text to read: **MAPEI Corporation: HPG (IAPMO certification), Waterproof/Crack Isolation Membrane.**
- Refer to paragraph 2.4.B.5. CHANGE text to read: **MAPEI Corporation: Mapelastic PRP 315 (IAPMO certification), Waterproof/Crack Isolation Membrane.**
- Refer to paragraph 2.4.B.6. CHANGE text to read: **Merkrete Systems: HydroGuard One (trowel-applied membrane).**
- Refer to paragraph 2.4.B.7. CHANGE text to read: **Noble Company: NobleSeal TS (chlorinated polyethelene with spun polyester waterproof sheet membrane).**
- Refer to paragraph 2.4.B.8. CHANGE text to read: **TEC Specialty Products (H.B. Fuller): Waterproof & Crack Defense Membrane.**
- Refer to paragraph 2.4.B.9. CHANGE text to read: **TEC Specialty Products (H.B. Fuller): Hydraflex.**
- Refer to paragraph 2.4.B. ADD paragraph 2.4.B.10: **Other equivalent products may be accepted if and as specifically approved by Architect by Addendum during bidding period.**
- Refer to paragraph 2.6.A. CHANGE text to read: **Adhesive Product: Provide products to comply with ANSI A136.1and ISO 13007; D1TE.**
- Refer to paragraph 2.6.A.1. CHANGE text to read: **Interior Wall Tiles—Typical, 12" x 12" and larger, including weight up to 5 lbs. per square foot.**
- Refer to paragraph 2.6.A.1. DELETE Line 2.6.A.1.d.
- Refer to paragraph 2.6.A.1. DELETE Line 2.6.A.1.e.

- Refer to paragraph 2.6.B. CHANGE text to read: **Latex-Portland Cement Modified Mortar: ANSI A118.4 and ISO 13007; C2EES1: Product includes Latex Additive: Dry Polymer or Latex Acrylic additive.**
- Refer to paragraph 2.6.B.1.b. CHANGE text to read: **Typical Floor Tiles, including large format or heavy floor tile applications ANSI A118.4 and ISO C2TE (Thinset):**
- Refer to paragraph 2.6.B.1.b.5. CHANGE text to read: **MAPEI Corporation: UltraFlex LFT Polymer Modified thinset mortar (Interior).**
- Refer to paragraph 2.7.A. CHANGE text to read: **Chemical-Resistant Epoxy Grout: ANSI A118.3 and ISO 13007 RG (As specified for use on shower walls and all floors, Typical).**
- Refer to paragraph 2.7.A.1.c. CHANGE text to read: MAPEI Corporation: **Kerapoxy IEG water cleanable 100% Solids Epoxy Grout.**
- Refer to paragraph 2.7.B. CHANGE text to read: **Latex-Portland Cement Grout: ANSI A118.6 and ISO 13007; CG2WA (For all other tiled areas).**
- Refer to paragraph 2.7.B.1.c. CHANGE text to read: **MAPEI Corporation: UltraColor Plus Unsanded Grout.**
- Refer to section 2.8. CHANGE text to read: **SURFACE PREPARATION MATERIALS—PORCELAIN CERAMIC TILE ON EXTERIOR VERTICAL PRE-CAST PANELS**
- Refer to paragraph 2.8.A. CHANGE text to read: **Shrinkage-compensated, fiber-reinforced, polymer-modified and containing a proprietary corrosion inhibitor for a wide variety of vertical and overhead concrete repairs, featheredge to 4" (10 cm) per lift on vertical surfaces, dries to a light gray color, blending well with most concrete surfaces.**
- Refer to paragraph 2.8.A. ADD paragraph 2.8.A.1: **MAPEI, Planitop X or Planitop XS (extended working time).**
- Refer to section 2.9. ADD Section—text to read: **MIXING MORTARS AND GROUT**
- Refer to paragraph 2.9.A. ADD Paragraph—text to read: **Mix mortars and grouts to comply with requirements of referenced standards and manufacturer's instructions.**

Item 1-16: Section 09 65 16 – Linoleum Floor Coverings

- Refer to paragraph 2.1.B.3.b. CHANGE text to read: **Color: Laguna, 3238**.
- Refer to paragraph 2.1.B.3.c. CHANGE text to read: **Coordinating Real Weld Rod Color: R3238.**

Item 1-17: Section 09 96 00 – High-Performance Coatings

Refer to paragraph 2.3, E, System CONC-1 is provided for reference only. Mechanical room floors are sealed concrete not system CONC-1.

Item 1-18: Section 10 22 39 – Folding Panel Partitions

Refer to paragraph 2.2, A, 1, subject to compliance with the requirements of this section, add Moderco Operable Panels as an acceptable manufacturer.

Item 1-19: Section 11 66 23 – Gymnasium Equipment

- Refer to paragraph 2.1, A, subject to compliance with the requirements of this section, add AAlco Manufacturing Company as an acceptable manufacturer.
- Refer to paragraph 2.1, A, subject to compliance with the requirements of this section, add ADP Lemco Inc. as an acceptable manufacturer.

Item 1-20: Section 12 36 23 – Plastic-Laminate-Clad Countertops

- Refer to paragraph 1.5.A. CHANGE text to read: **Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.**
- Refer to paragraph 1.5.B. CHANGE text to read: **Installer Qualifications: Shop that employs skilled workers who install products similar to those required for this Project and whose products have a record of successful in-service performance.**
- Refer to paragraph 2.1.A. DELETE paragraph 2.1.A.1.
- Refer to paragraph 2.1.A.2. CHANGE text to read: **The Contract Documents contain selections chosen from options in the AWI quality standard and additional requirements beyond those of the quality standard. Comply with those selections and requirements in addition to the quality standard. AWI Quality Certificates are not required.**

Drawings

Item 1-21: Sheet A1.01 – First Floor Plan – Area A

- Refer to the folding panel partition located between Wrestling A162 and Weight A163, the overall panel length (wall to wall) is 47'-8", panel height to be 11'-6". No storage pocket closure door is required for the installation.
- Refer to General Construction Note 10, strike the reference to abuse resistant gypsum board.

Item 1-22: Sheet A1.02 – First Floor Plans – Areas B & C

- Refer to the folding panel partition located in Classroom B113, the overall panel length (wall to wall) is 29'-8 ½", panel height to be 8'-6". No storage pocket closure door is required for the installation.
- Refer to General Construction Note 10, strike the reference to abuse resistant gypsum board.

Item 1-23: Sheet A1.03 – First Floor Plans – Areas D & E

- Refer to Vestibule E111, there are two doors identified as door 111.7, the north pair of doors should be numbered 111.7 / 111.8 and the south single door with the ADA operator is door 111.9
- Refer to General Construction Note 10, strike the reference to abuse resistant gypsum board.

Item 1-24: Sheet A1.21 – Roof Plan – Area A

Refer to Roof Plan General Note 3, roof insulation thickness shall be provided as noted on plan. Strike the last sentence of the note "Provide an average R-Value of not less than R-20."

Item 1-25: Sheet A1.22 – Roof Plan – Areas B & C

Refer to Roof Plan General Note 3, roof insulation thickness shall be provided as noted on plan. Strike the last sentence of the note "Provide an average R-Value of not less than R-20."

Item 1-26: Sheet A1.23 – Roof Plan – Areas D & E

Refer to Roof Plan General Note 3, roof insulation thickness shall be provided as noted on plan. Strike the last sentence of the note "Provide an average R-Value of not less than R-20."

Item 1-27: Sheet A4.3 – Wall Sections

Refer to all wall sections, section details, and plan details, change reference to 1 5/8", 16 gauge steel studs to 2 ½", 16 gauge steel studs.

Item 1-28: Sheet A8.1 – Section Details

- Refer to section detail 5 – Tectum Ceiling Detail. At contractors option, provide a prefinished edge angle / trim at the perimeter of the 1" thick acoustical cementitious wood fiber panel in lieu of the 5/4 wood trim.
- Refer to section detail 7 – Section Detail. At contractors option, provide a prefinished edge angle / trim at the perimeter of the 1" thick acoustical cementitious wood fiber panel in lieu of the 5/4 wood trim.

INTERIOR FINISHES

Item 1-29: Sheet F1.00 – Finish Materials List & Area 'A' Room Finish Schedule

- This sheet has been revised and reissued as part of this addendum.
- In the finish materials list, Marmoleum Composition Flooring MCS-3 color shall be Laguna 3238.
- In the finish materials list, Ceramic Tile CT-3 color shall be Bleu Atoll 05.
- In the finish materials list, Plastic Laminate PL-6 color shall be 482 (SEI).

STRUCTURAL

Drawings

Item 1-30: Sheet S1.02 – Footing & Foundation Plan – Areas 'B' & 'C'

Reference Grid Intersection B12-BH. Add section cut 16/S3.02 SIM, south of grid intersection looking north.

Item 1-31: Sheet S1.03 – Footing & Foundation Plan – Areas 'D' & 'E'

- Reference Grid Intersections E6-ED and E6-EE. Add section cut 16/S3.02 SIM, south of grid intersections looking north.
- Reference Grid Intersection D4-DC. Add section cut 16/S3.02, north of grid intersection looking south.

Item 1-32: Sheet S3.02 – Foundation Details

Reference Detail 16. Revise the expansion joint width adjacent to the existing construction from 2" to 1".

Item 1-33: Sheet S4.02 – Framing Details

Reference Sections 1 through 7 and Section 13. The reinforcement for the topping over the hollowcore is different from the reinforcement over the double tees; this is intentional. The reinforcement over the hollowcore is welded wire mesh and the reinforcement over the double tees is deformed steel bar.

MECHANICAL

Item 1-34: Section 23 82 39 – Terminal Heat Transfer Units

Add the following paragraph:

2.2 ELECTRIC DUCT HEATER

A. Electric Duct Heaters shall be open coil type as voltage, KW, size, number of steps, and accessories shall be as scheduled. Units shall be UL listed for zero clearance and meet all applicable requirements of the latest National Electric Code and ANSI standards.
B. Heating elements shall be high grade nickel-chrome. Element temperatures shall not exceed 400°F below the melting point of the element alloy when energized with design voltage in still, free air at 75°F ambient.
C. Heater frames and control boxes shall be constructed of 20 gauge galvanized steel or heavier. Frames shall be hot dipped galvanized after fabrication if spot welds are used.
D. Mounting assemblies for the element support insulators shall pass between the insulators permitting free expansion of the insulators under high temperature conditions without cracking or breaking.
E. Each heater shall have its load divided into equal steps as shown. All necessary controls for recycling shall be provided in heaters of more than 48 amps.

Item 1-35: Section 23 09 02 – Variable Frequency Drives

Refer to paragraph 2: Danfoss and Eaton Cutler-Hammer shall be added to acceptable VFD manufacturers list.

Drawings

Item 1-36: Sheet M0.01 – First Floor Mechanical Demolition Plan

Refer to Note 6: All controls from removed VAV boxes are to be turned over to owner to be used to replace existing controllers on remaining VAV boxes.

Item 1-37: Sheet M7.01 – Mechanical Schedules

Refer to HVAC Hydronic and Plumbing Specialties: GF-1 shall state OR EQUIVALENT in lieu or NO EQUIVALENT

Item 1-38: Sheet M7.03 – Mechanical Schedules

Refer to Boiler Schedule: Lochinvar, Camus and Aerco shall be listed as an approved equivalents for B-1 and B-2.

ELECTRICAL

General

Item 1-39: Electrical Contractor Question 1

Q: Shown on the fixture schedule there is a symbol for a egress lighting fixture. However on the sheets E1.01, E1.02, E1.03 the egress lighting fixture has a letter C next to the egress light fixture. On these sheets there is also a Light fixture C that is a 4'-0" fixture? Please advise?
A: The subscript 'C' next to the egress lighting fixture indicates it is mounted on the ceiling, as called out in the remarks column of the light fixture schedule. This fixture is different than the 4' type 'C' fixture.

Item 1-40: Electrical Contractor Question 2

Q: On Sheet E2.03 Room B104 we do not see a Main Ground bar shown for the Main service ground. Do we need to include one?
A: The main service ground is included within the Main Switchboard. Provide the necessary connections as indicated per the Main Service Entrance Ground Connections Detail & the Grounding Busbar Detail.

Item 1-41: Electrical Contractor Question 3

Q: On Sheet E2.02 Key Note #13, Sheet E2.03 Key Note #19 & Sheet E2.04 Key Note #19 states Card Reader is part of the Base Bid, Deduct as an Alternate. However I can't find what Alternate I am supposed to deduct the Card Reader under?? Please advise.
A: These key notes can be removed in their entirety. No alternate necessary

Specifications

Item 1-42: Section 26 27 26 – Wiring Devices

Sensor Switch and Greengate are approved manufacturers of occupancy sensors provided the sensors match the coverage areas of the specified sensors.

Item 1-43: Section 26 51 00 – Lighting Fixtures

The following lighting fixtures have been reviewed in accordance with paragraph 2, and are included in the Contract Documents for bidding purposes. All fixtures, lamps, and ballasts are required to meet the specification requirements regardless of prior approval. Prior approval does not waive any requirements indicated on the drawings or the specifications. Some fluorescent fixtures require dimming or multiple levels of switching. The required number and types of ballasts shall be provided to meet the switching requirements shown on the drawings.

Type	Manufacturer and Catalog Number	
F	Lithonia	2AL8 3 32 MVOLT GEB10PS
G	Gotham	EVO 35/14 6AR 120
G1	Gotham	EVO 35/14 6AR 120 W/SCA6 XX
K	Mark Lighting	SL6R 4' DF 2(T8) EBPR 120 FA
N	Lithonia	2SP8 G 4 32 A12125 MVOLT GEB10PS
P	Lithonia	2AL8 2 32 MVOLT GEB10PS
Q	Mark Lighting	SL6R 4' FL 2(T8) EBPR 120 FA
V	National Ltg	S86 D 3(32T8) A P UNV 4'
W	Lithonia	WRT F 2 32 A12125 MVOLT GEB10PS
Y	Lithonia	DSX2 LED 100C 700 40K TFTM MVOLT RPA CC
Pole	Lithonia	RSA 25 6G DM19 CC
BB	National Ltg	S86 D 2(32T8) A P UNV 4'
CC	Lithonia	DSX2 LED 100C 700 40K T3 MVOLT RPA CC
Pole	Lithonia	RSA 25 6G DM19 CC

Item 1-44: Section 26 51 01 – Networked Lighting Control System

LC&D and Greengate are approved manufacturers of the networked lighting control system and associated devices subject to compliance with the specifications.

Item 1-45: Section 27 51 23 – Intercom System

Bogen is an approved manufacturer of the intercom system subject to compliance with the specifications.

Item 1-46: Section 28 31 11 – Fire Alarm System

FCI Gamewell and Edwards System Technologies are approved manufacturers of the fire alarm system subject to compliance with the specifications.

Drawings

Item 1-47: Sheets E2.01, E2.02, E2.03, E2.04 – First Floor Power & Auxiliary Systems Plans

All new receptacles indicated on all of the Power & Auxiliary Systems Plans shall be safety-type receptacles (see the specification for definition of safety-type receptacles).

Item 1-48: Sheet E6.01 – Electrical Details

Refer to the Intercom System Riser Diagram: Bogen is an acceptable equivalent.

TELECOMMUNICATIONS

Specifications

Item 1-49: Section 27 00 00 – Telecommunications Cable Plant

Refer to paragraph 1.5.A. CLARIFICATION: HUBBELL, PANDUIT AND COMMSCOPE ARE ALL PRIOR APPOVED MANUFACTURERS FOR EQUIPMENT AND CABLING. BELDEN AND GERERAL CABLE ARE BOTH PRIOR APPOVED MANUFACTURERS FOR BACKBONE AND COAXIAL CABLE. CONTRACTORS PREFERRING TO UTILIZE ANY OTHER MANFUCTURERES ARE REQUIRED TO SUBMIT PRIOR APPROVALS.

END OF ADDENDUM NO. 1

B D

construction

Pleasanton Public Schools
#12-02-003
Pre-bid walk through

Date: 8/15/13 *Time: 1 PM*
Place: Pleasanton school

Name	Company
Jim Happenstedt	BD
Rick Pettit	
Austin Larsen	Constr
Eric Lorenz	Duff Roofing
Brett Duff	Duff Roofing
Roger Schielack	Kramer Inc
Brad Collison	Cornerstone Electric
Francis Keeng	Midwest Restaurant Supply
Steve Dreher	Electronic Systems Inc
Roger D Kuhn	A-1 Heating
Jim Toomey	Commonwealth Electric
	Essink Bros. drywall
	Heartland Elec.
	Middleton Electric
Reggy Rutt Jeff Waggoner	Rutts Heating + AC Dave Waggoner Plbg. Htg

WHAT'S THE BIG?

PO Box 726 • Kearney, NE 68848 • ph 308 234-1836 • fx 308 234-9606

B | D

construction

6

Pleasanton Public Schools
#12-02-003
Pre-bid walk through

Date: 8/15/13 *Time: 1 PM*
Place: Pleasanton school

Name	Company
RYAN DEXTER	NEBRASKA FIRE SPRINKLER
Eric Kennedy	Glenwood Telephone
MARK S. LILJEHORN	Glenwood Telecommunications
Josl Henderson	Glenwood Telecommunications
Chris Larson	Anderson Bros.
JASON PECIC	Anderson Bros
CHANE McDOWELL	ANDERSON BROS.

PO Box 726 • Kearney, NE 68848 • ph 308 234-1836 • fx 308 234-9606

BID FORM – BID PACKAGE #2:

PLEASANTON PUBLIC SCHOOLS
303 W. CHURCH STREET
PLEASANTON, NE 68866

SUBCONTRACTOR: _____

CONTACT PERSON: _____

ADDRESS:_____

TELEPHONE #: _____

FAX #: _____

EMAIL: _____

BASE BID

Specification Section	**Description**	**Total**
_____	_____	**$**_____
_____	_____	**$**_____
_____	_____	**$**_____
	TOTAL BASE BID	**$**_____

BASE BID (written):_____

ADD FOR PERFORMANCE & PAYMENT BOND: $_____

UNIT COSTS:
Unit price No. 1: Replacement of existing 2x4 (3-Lamp) light fixture $_____/ unit

Unit price No. 2: Replacement of existing 2x4 (2-Lamp) light fixture $_____/ unit

ALTERNATES:
Alternate No. 1: Delete exterior door access control system. (all conduit rough-in to remain).

ADD / DEDUCT $_____

Alternate No. 2: Delete acoustical cementitious wood fiber panel assemblies in rooms A162, A163, D108, D109.

ADD / DEDUCT $_____

Alternate No. 3: Provide 2" base polyiso roof insulation in lieu of 4" base polyiso roof insulation in Areas B, C, D, and E.

ADD / DEDUCT $_____

Alternate No. 4: Orient insulated precast wall panels vertically in lieu of horizontally in Areas B, C, D, E.

ADD / DEDUCT $_____

Alternate No. 5: Reduce insulated precast wall panel height 6" in Areas B, C, D, E.

ADD / DEDUCT $_____

Alternate No. 6: Delete upper cabinet over Classroom coat cubbies / lockers. Refer to sheet 6/A6.20, WC-4 Section.

ADD / DEDUCT $_____

Alternate No. 7: Delete work associated with the retrofit of the existing showers in Men's Shower A145.1 and A145.2.

ADD / DEDUCT $_____

Alternate No. 8: Delete Resilient Flooring RF-1 in Weight A163.

ADD / DEDUCT $_____

Alternate No. 9: Delete installation of CC-1, ACCU-1 and all associated work with existing AHU-1.

ADD / DEDUCT $_____

Clarifications: (attach separate sheet if additional room is required)

Contractor: _____

Name: _____

Title: _____

Date: _____

SECTION 08 71 00 - DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes:

1. Mechanical door hardware for the following:

a. Swinging doors.
b. Sliding doors.
c. Folding doors.

2. Cylinders for door hardware specified in other Sections.
3. Electrified door hardware.

B. Related Sections:

1. Section 08 41 13 "Aluminum-Framed Entrances and Storefronts" for installation of entrance door hardware, including cylinders.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product indicated. Include construction and installation details, material descriptions, dimensions of individual components and profiles, and finishes.

B. Shop Drawings: Details of electrified door hardware, indicating the following:

1. Wiring Diagrams: For power, signal, and control wiring and including the following:

a. Details of interface of electrified door hardware and building safety and security systems.
b. Schematic diagram of systems that interface with electrified door hardware.
c. Point-to-point wiring.
d. Risers.
e. Elevations doors controlled by electrified door hardware.

2. Operation Narrative: Describe the operation of doors controlled by electrified door hardware.

C. Other Action Submittals:

1. Door Hardware Schedule: Prepared by or under the supervision of Installer, detailing fabrication and assembly of door hardware, as well as installation procedures and diagrams. Coordinate final door hardware schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

a. Submittal Sequence: Submit door hardware schedule concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate the fabrication of other work that is critical in Project construction schedule.
b. Format: Use same scheduling sequence and format and use same door numbers as in the Contract Documents.
c. Content: Include the following information:

1) Identification number, location, hand, fire rating, size, and material of each door and frame.
2) Locations of each door hardware set, cross-referenced to Drawings on floor plans and to door and frame schedule.
3) Complete designations, including name and manufacturer, type, style, function, size, quantity, function, and finish of each door hardware product.
4) Description of electrified door hardware sequences of operation and interfaces with other building control systems.
5) Fastenings and other pertinent information.
6) Explanation of abbreviations, symbols, and codes contained in schedule.
7) Mounting locations for door hardware.
8) List of related door devices specified in other Sections for each door and frame.

2. Keying Schedule: Prepared by or under the supervision of Installer, detailing Owner's final keying instructions for locks. Include schematic keying diagram and index each key set to unique door designations that are coordinated with the Contract Documents.

1.4 INFORMATIONAL SUBMITTALS

A. Product Certificates: For electrified door hardware, from the manufacturer.

1. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.

B. Product Test Reports: For compliance with accessibility requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified testing agency, for door hardware on doors located in accessible routes.

C. Warranty: Special warranty specified in this Section.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For each type of door hardware to include in maintenance manuals. Include final hardware and keying schedule.

1.6 QUALITY ASSURANCE

A. Source Limitations: Obtain each type of door hardware from a single manufacturer.

1. Provide electrified door hardware from same manufacturer as mechanical door hardware, unless otherwise indicated. Manufacturers that perform electrical modifications and that are listed by a testing and inspecting agency acceptable to authorities having jurisdiction are acceptable.

B. Fire-Rated Door Assemblies: Where fire-rated door assemblies are indicated, provide door hardware rated for use in assemblies complying with NFPA 80 that are listed and labeled by a qualified testing agency, for fire-protection ratings indicated, based on testing at positive pressure according to NFPA 252 or UL 10C, unless otherwise indicated.

C. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meet requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.

1. Air Leakage Rate: Maximum air leakage of0.3 cfm/sq. ft. at the tested pressure differential of 0.3-inch wg of water.

D. Electrified Door Hardware: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction.

E. Means of Egress Doors: Latches do not require more than 15 lbf to release the latch. Locks do not require use of a key, tool, or special knowledge for operation.

F. Accessibility Requirements: For door hardware on doors in an accessible route, comply with the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines.

1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf.
2. Comply with the following maximum opening-force requirements:

a. Interior, Non-Fire-Rated Hinged Doors: 5 lbf applied perpendicular to door.
b. Sliding or Folding Doors: 5 lbf applied parallel to door at latch.
c. Fire Doors: Minimum opening force allowable by authorities having jurisdiction.

3. Bevel raised thresholds with a slope of not more than 1:2. Provide thresholds not more than 1/2 inch high.

4. Adjust door closer sweep periods so that, from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches from the latch, measured to the leading edge of the door.

G. Keying Conference: Conduct conference at Project site to comply with requirements in Section 01 31 00 "Project Management and Coordination." In addition to Owner Contractor, and Architect, conference participants shall also include Installer's Architectural Hardware Consultant. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including, but not limited to, the following:

1. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
2. Preliminary key system schematic diagram.
3. Requirements for key control system.
4. Requirements for access control.
5. Address for delivery of keys.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up for door hardware delivered to Project site.

B. Tag each item or package separately with identification coordinated with the final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package.

C. Deliver keys and permanent cores to Owner.

1.8 COORDINATION

A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.

B. Installation Templates: Distribute for doors, frames, and other work specified to be factory prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.

D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.

E. Existing Openings: Where hardware components are scheduled for application to existing construction or where modifications to existing door hardware are required, field verify existing conditions and coordinate installation of door hardware to suit opening conditions and to provide proper door operation.

1.9 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:

a. Structural failures including excessive deflection, cracking, or breakage.
b. Faulty operation of doors and door hardware.
c. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use.

2. Warranty Period: Three years from date of Substantial Completion, unless otherwise indicated.

a. Electromagnetic and Delayed-Egress Locks: Five years from date of Substantial Completion.
b. Exit Devices: Two years from date of Substantial Completion.
c. Manual Closers: 10 years from date of Substantial Completion.
d. Concealed Floor Closers: Five years from date of Substantial Completion.

1.10 MAINTENANCE SERVICE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. Provide door hardware for each door as scheduled in Part 3 "Door Hardware Schedule" Article to comply with requirements in this Section.

1. Door Hardware Sets: Provide quantity, item, size, finish or color indicated, and named manufacturers' products.
2. Sequence of Operation: Provide electrified door hardware function, sequence of operation, and interface with other building control systems indicated.

B. Designations: Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of door hardware are indicated in Part 3 "Door Hardware Schedule" Article. Products are identified by using door hardware designations, as follows:

1. Named Manufacturers' Products: Manufacturer and product designation are listed for each door hardware type required for the purpose of establishing minimum requirements. Manufacturers' names are abbreviated in Part 3 "Door Hardware Schedule" Article.

2.2 HANGING DEVICES

A. Hinges: ANSI/BHMA A156.1 certified butt hinges with number of hinge knuckles as specified in the Door Hardware Sets.

1. Quantity: Provide the following hinge quantity, unless otherwise indicated:

a. Two Hinges: For doors with heights up to 60 inches.
b. Three Hinges: For doors with heights 61 to 90 inches.
c. Four Hinges: For doors with heights 91 to 120 inches.
d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.

2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:

a. Widths up to 3’0”: 4-1/2” standard or heavy weight as specified.
b. Sizes from 3’1” to 4’0”: 5” standard or heavy weight as specified.

3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:

a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.

4. Hinge Options: Comply with the following where indicated in the Hardware Sets or on Drawings:

a. Non-removable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for the following applications:

1) Out-swinging exterior doors.
2) Out-swinging access controlled doors.
3) Out-swinging lockable doors.

5. Acceptable Manufacturers:

a. Hager Companies (HA).
b. McKinney Products (MK).

B. Continuous Geared Hinges: ANSI/BHMA A156.26 certified continuous geared hinge with minimum 0.120-inch thick extruded 6060 T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screw locations. Provide concealed flush mount (with or without inset), full surface, or half surface, in standard and heavy duty models, as specified in the Hardware Sets. Concealed continuous hinges to be U.L. listed for use on up to and including 90 minute rated door installations and U.L. listed for windstorm components where applicable. Factory cut hinges for door size and provide with removable service power transfer panel where indicated at electrified openings.

1. Acceptable Manufacturers:

a. McKinney Products (MK).
b. Pemko Manufacturing (PE).

2.3 POWER TRANSFER DEVICES

A. Concealed Quick Connect Electric Power Transfers: Provide concealed wiring pathway housing mortised into the door and frame for low voltage electrified door hardware. Furnish with Molex standardized plug connectors and sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.

1. Acceptable Manufacturers:

a. McKinney (MK) – EL-EPT.
b. Securitron (SU) – EL-CEPT Series.
c. Von Duprin (VD) – EPT-10 Series.
d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.

B. Electric Door Hardware Cords: Provide electric transfer wiring harnesses with standardized plug connectors to accommodate up to twelve (12) wires. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Provide sufficient number of concealed wires to accommodate electric function of specified hardware. Provide a connector for through-door electronic locking devices and from hinge to junction box above the opening. Wire nut connections are not acceptable. Determine the length required for each electrified hardware component for the door type, size and construction, minimum of two per electrified opening.

1. Acceptable Manufacturers:

a. McKinney Products (MK) – QC-C Series.

2. Provide one each of the following tools as part of the base bid contract:

a. McKinney Products (MK) – Electrical Connecting Kit: QC-R001.
b. McKinney Products (MK) – Connector Hand Tool: QC-R003.

2.4 DOOR OPERATING TRIM

A. Flush Bolts and Surface Bolts: ANSI/BHMA A156.3 and A156.16, Grade 1, certified automatic, self-latching, and manual flush bolts and surface bolts. Manual flush bolts to be furnished with top rod of sufficient length to allow bolt location approximately six feet from the floor. Furnish dust proof strikes for bottom bolts. Surface bolts to be minimum 8" in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.

1. Acceptable Manufacturers:

    a. Door Controls International (DC).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

2.5 CYLINDERS AND KEYING

A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.

B. Source Limitations: Obtain each type of keyed cylinder and keys from the same source manufacturer as locksets and exit devices, unless otherwise indicated.

C. Cylinders: Original manufacturer cylinders complying with the following:

1. Mortise Type: Threaded cylinders with rings and straight- or clover-type cam.
2. Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
3. Bored-Lock Type: Cylinders with tailpieces to suit locks.
4. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
5. Keyway: Manufacturer's Standard.

D. Patented Cylinders: ANSI/BHMA A156.5, Grade 1, certified patented cylinders employing a utility patented and restricted keyway requiring the use of a patented key. Cylinders are to be protected from unauthorized manufacture and distribution by manufacturer's United States patents. Cylinders are to be factory keyed with Owner having the ability for on-site original key cutting.

1. Acceptable Manufacturers:

    a. Medeco (MC) – X4 Series.
    b. Sargent Manufacturing (SA) – XC Series.
    c. Schlage Lock (SC) – Everest D Series.

E. Keying System: Each type of lock and cylinders to be factory keyed. Conduct specified "Keying Conference" to define and document keying system instructions and requirements. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner. Incorporate decisions made in keying conference, and as follows:

1. Master Key System: Cylinders are operated by a change key and a master key.
2. Grand Master Key System: Cylinders are operated by a change key, a master key, and a grand master key.
3. Great-Grand Master Key System: Cylinders are operated by a change key, a master key, a grand master key, and a great-grand master key.
4. Existing System: Master key or grand master key locks to Owner's existing system.
5. Keyed Alike: Key all cylinders to same change key.

F. Key Quantity: Provide the following minimum number of keys:

1. Top Master Key: One (1).
2. Change Keys per Cylinder: Two (2).
3. Master Keys (per Master Key Group): Two (2).
4. Grand Master Keys (per Grand Master Key Group): Two (2).
5. Construction Keys (where required): Ten (10).
6. Construction Control Keys (where required): Two (2).
7. Permanent Control Keys (where required): Two (2).

G. Construction Keying: Provide construction master keyed cylinders or temporary keyed construction cores where specified. Provide construction master keys in quantity as required by project Contractor. Replace construction cores with permanent cores. Furnish permanent cores for installation as directed under specified "Keying Conference".

H. Key Registration List: Provide keying transcript list to Owner's representative in the proper format for importing into key control software.

I. Key Control Cabinet: Provide a key control system including envelopes, labels, and tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet. Key control cabinet shall have expansion capacity of 150% of the number of locks required for the project.

1. Acceptable Manufacturers:

a. Lund Equipment (LU).
b. MMF Industries (MM).
c. Telkee (TK).

J. Key Control Software: Provide one network version of "Key Wizard" branded key management software package that includes one year of technical support and upgrades to software at no charge. Provide factory key system formatted for importing into "Key Wizard" software.

2.6 MECHANICAL LOCKS AND LATCHING DEVICES

A. Mortise Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.13, Series 1000, Operational Grade 1 certified mortise locksets furnished in the functions as specified in the Hardware Sets. Locksets to be manufactured with a corrosion resistant, stamped 12 gauge minimum formed steel case and be field-reversible for handing without disassembly of the lock body. Lockset trim (including knobs, levers, escutcheons, roses) to be the product of a single manufacturer. Furnish with standard 2 ¾" backset, ¾" throw anti-friction stainless steel latchbolt, and a full 1" throw stainless steel bolt for deadbolt functions.

1. Acceptable Manufacturers:

    a. Corbin Russwin Hardware (RU) – ML2000 Series.
    b. Sargent Manufacturing (SA) – 8200 Series.
    c. Schlage (SC) – L9000 Series.

B. Lock Trim Design: As specified in Hardware Sets.

2.7 AUXILIARY LOCKS

A. Push-Pull Latches, Paddle Type, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type push-pull locks and latches with ligature-resistant paddle trim capable of being mounted in vertical (up or down) and horizontal (sideways) positions. Locksets to be manufactured with a corrosion resistant, formed steel case and be non-handed, field-reversible for re-handing without disassembly of the lock body. Paddles and covers are manufactured from cast stainless steel or brass material. Provide optional lead-lining (lock body) and Torx® fasteners as specified in Hardware Sets.

1. Acceptable Manufacturers:

    a. Corbin Russwin Hardware (RU) – ML2000 HPSK Series.
    b. Sargent Manufacturing (SA) - 8200 ALP Series.

2.8 LOCK AND LATCH STRIKES

A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:

1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.

B. Standards: Comply with the following:

1. Strikes for Mortise Locks and Latches: BHMA A156.13.
2. Strikes for Bored Locks and Latches: BHMA A156.2.
3. Strikes for Auxiliary Deadlocks: BHMA A156.5.
4. Dustproof Strikes: BHMA A156.16.

2.9 CONVENTIONAL EXIT DEVICES

A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:

1. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.
2. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer's catalog and template book for specific requirements.

    a. Fire Exit Removable Mullions: Provide keyed removable mullions for use with fire exit devices complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire and panic protection, based on testing according to UL 305 and NFPA 252. Mullions to be used only with exit devices for which they have been tested.

3. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.
4. Flush End Caps: Provide heavy weight impact resistant flush end caps made of architectural metal in the same finish as the devices as in the Hardware Sets. Plastic end caps will not be acceptable.
5. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty trim with cold forged escutcheons, beveled edges, and four threaded studs for thru-bolts.

    a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets. Provided free-wheeling type trim where indicated.
    b. Where function of exit device requires a cylinder, provide an interchangeable core type keyed cylinder (Rim or Mortise) as specified in Hardware Sets.

6. Vertical Rod Exit Devices: Provide and install interior surface and concealed vertical rod exit devices as Less Bottom Rod (LBR) unless otherwise indicated.
7. Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2" wide stiles.
8. Dummy Push Bar: Nonfunctioning push bar matching functional push bar.

9. Rail Sizing: Provide exit device rails factory sized for proper door width application.
10. Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.

B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 certified panic and fire exit hardware devices furnished in the functions specified in the Hardware Sets. Mounting rails to be formed from smooth stainless steel, brass or bronze architectural materials no less than 0.072" thick, with push rails a minimum of 0.062" thickness. Painted or aluminum metal rails are not acceptable. Exit device latch to be investment cast stainless steel, pullman type, with deadlock feature.

1. Acceptable Manufacturers:

a. Corbin Russwin Hardware (RU) - ED4000 / ED5000 Series.
b. Sargent Manufacturing (SA) - 80 Series.
c. Von Duprin (VD) - 35A/98 XP Series.

C. Multi-Point Exit Devices for Severe Storm Shelters Openings: Multi-point exit devices specifically engineered for out-swinging door applications on tornado or hurricane resistant safe shelter rooms. Extra heavy duty steel component construction with each of the latching points automatically activated when the device is locked. The multi-point exit device is approved for usage as part of a complete ICC 500 (2008) and FEMA 361 door, frame and hardware assembly.

1. Acceptable Manufacturers:

a. Corbin Russwin Hardware (RU) - FE5400S Series.
b. Sargent Manufacturing (SA) - FM8700 Series.

D. Tube Steel Removable Mullions: ANSI/BHMA A156.3 removable steel mullions with malleable-iron top and bottom retainers and a primed paint finish. Provide keyed removable feature, stabilizers, and mounting brackets as specified in the Hardware Sets. At openings designed for severe wind load conditions due to hurricanes or tornadoes, provide manufacturers approved mullion and accessories to meet applicable state and local windstorm codes.

1. Acceptable Manufacturers:

a. Corbin Russwin Hardware (RU) - 700/900 Series.
b. Sargent Manufacturing (SA) - 980S Series.
c. Von Duprin (VD) - 9954 Series.

2.10 ELECTROMECHANICAL CONVENTIONAL EXIT DEVICES

A. Electrified Conventional Push Rail Devices (Heavy Duty): Subject to same compliance standards and requirements as mechanical exit devices, electrified devices to be of type and design as specified below.

1. Acceptable Manufacturers:

a. Corbin Russwin Hardware (RU) - ED4000 / ED5000 Series.
b. Sargent Manufacturing (SA) - 80 Series.
c. Von Duprin (VD) - 35A/98/99 Series.

B. Electrified Options: As indicated in hardware sets, provide electrified exit device options including: electric latch retraction , electric dogging, outside door trim control, exit alarm, delayed egress, latchbolt monitoring, lock/unlock status monitoring, touchbar monitoring and request-to-exit signaling. Unless otherwise indicated, provide electrified exit devices standard as fail secure.

2.11 DOOR CLOSERS

A. All door closers specified herein shall meet or exceed the following criteria:

1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers including installation and adjusting information on inside of cover.
2. Standards: Closers to comply with UL-10C and UBC 7-2 for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
3. Cycle Testing: Provide closers which have surpassed 10 million cycles in a test witnessed and verified by UL.
4. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the physically handicapped, provide units complying with ANSI ICC/A117.1.
5. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.

a. Where closers are indicated to have mechanical dead-stop, provide heavy duty arms and brackets with an integral positive stop.
b. Where closers are indicated to have mechanical hold open, provide heavy duty units with an additional built-in mechanical holder assembly designed to hold open against normal wind and traffic conditions. Holder to be manually selectable to on-off position.
c. Where closers are indicated to have a cushion-type stop, provide heavy duty arms and brackets with spring stop mechanism to cushion door when opened to maximum degree.

d. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics. Provide drop plates or other accessories as required for proper mounting.

6. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates, and through-bolt or security type fasteners as specified in the door Hardware Sets.

B. Door Closers, Surface Mounted (Heavy Duty): ANSI/BHMA A156.4, Grade 1 surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.

1. Acceptable Manufacturers:

a. Corbin Russwin Hardware (RU) - DC8000 Series.
b. Sargent Manufacturing (SA) - 351 Series.
c. Norton Door Controls (NO) - 7500 Series.
d. Yale Locks and Hardware (YA) - 4400 Series.

2.12 AUTOMATIC DOOR OPERATORS

A. General: Provide operators of size recommended by manufacturer for door size, weight, and movement; for condition of exposure; and for compliance with UL 325. Coordinate operator mechanisms with door operation, hinges, and activation devices.

1. Fire-Rated Doors: Provide door operators for fire-rated door assemblies that comply with NFPA 80 for fire-rated door components and are listed and labeled by a qualified testing agency.

B. Electrohydraulic Door Operators: Self-contained low-pressure units with rack and pinion design contained within a cast aluminum housing. Door closing speed controlled by independent hydraulic adjustment valves in the sweep and latch range of the closing cycle. Operator is to provide conventional door closer opening and closing forces unless the power operator motor is activated. Unit is to include an adjustable hydraulic backcheck valve to cushion the door speed if opened violently. Non-handed units for both push and pull side applications.

C. Brackets and Reinforcements: Manufacturer's standard, fabricated from aluminum with nonferrous shims for aligning system components.

D. Standard: Certified ANSI/BHMA A156.19.

1. Performance Requirements:

a. Opening Force if Power Fails: Not more than 15 lbf required to release a latch if provided, not more than 30 lbf required to manually set door in motion, and not more than 15 lbf required to fully open door.

b. Entrapment Protection: Not more than 15 lbf required to prevent stopped door from closing or opening.

E. Configuration: Surface mounted. Door operators to control single swinging and pair of swinging doors.

F. Operation: Power opening and spring closing operation capable of meeting ANSI A117.1 accessibility guideline. Provide time delay for door to remain open before initiating closing cycle as required by ANSI/BHMA A156.19. When not in automatic mode, door operator to function as manual door closer with fully adjustable opening and closing forces, with or without electrical power.

1. On-off switch to control power to be key switch operated.

G. Features: Operator units to have full feature adjustments for door opening and closing force and speed, backcheck, motor assist acceleration from 0 to 30 seconds, time delay, vestibule interface delay, obstruction recycle, and hold open time from 0 up to 30 seconds.

H. Provide outputs and relays on board the operator to allow for coordination of exit device latch retraction, electric strikes, magnetic locks, card readers, safety and motion sensors and specified auxiliary contacts.

I. Activation Devices: Provide activation devices in accordance with ANSI/BHMA A156.19 standard, for condition of exposure indicated and for long term, maintenance free operation under normal traffic load operation. Coordinate activation control with electrified hardware and access control interfaces. Activation switches are standard SPST, with optional DPDT availability.

J. Signage: As required by cited ANSI/BHMA A156.19 standard for the type of operator.

1. Acceptable Manufacturers:

a. LCN Closers (LC) - 4640 Series.
b. Norton Door Controls (NO) - 6000 Series.

2.13 ARCHITECTURAL TRIM

A. Door Protective Trim

1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1” LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.

3. Metal Protection Plates: ANSI/BHMA A156.6 certified metal protection plates (kick, armor, or mop), beveled on four edges (B4E), fabricated from the following.

    a. Stainless Steel: 050-inch thick, with countersunk screw holes (CSK).
    b. Brass or Bronze: 050-inch thick, with countersunk screw holes (CSK).
    c. Laminate Plastic or Acrylic: 1/8-inch thick, with countersunk screw holes (CSK).

4. Fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets.
5. Metal Door Edging: Door protection edging fabricated from a minimum .050-inch thick metal sheet, formed into an angle or "U" cap shapes, surface or mortised mounted onto edge of door. Provide appropriate leg overlap to account for protection plates as required. Height to be as specified in the Hardware Sets.
6. Acceptable Manufacturers:

    a. Ives (IV).
    b. Rockwood Manufacturing (RO).
    c. Trimco (TC).

2.14 DOOR STOPS AND HOLDERS

A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.

B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 certified door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.

    1. Acceptable Manufacturers:

        a. Ives (IV).
        b. Rockwood Manufacturing (RO).
        c. Trimco (TC).

C. Overhead Door Stops and Holders: ANSI/BHMA A156.6, Grade 1 certified overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.

    1. Acceptable Manufacturers:

        a. Rixson Door Controls (RF).
        b. Rockwood Manufacturing (RO).
        c. Sargent Manufacturing (SA).

2.15 ARCHITECTURAL SEALS

A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.

B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.

1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.

C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.

1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and UBC 7-2, Fire Tests of Door Assemblies.

D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated, based on testing according to ASTM E 1408.

E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.

F. Acceptable Manufacturers:

1. Pemko Manufacturing (PE).
2. Reese Enterprises, Inc. (RS).
3. Zero International (ZE).

2.16 ELECTRONIC ACCESSORIES

A. Power Supplies: Provide Nationally Recognized Testing Laboratory Listed 12VDC or 24VDC (field selectable) filtered and regulated power supplies. Include battery backup option with integral battery charging capability in addition to operating the DC load in event of line voltage failure. Provide the least number of units, at the appropriate amperage level, sufficient to exceed the required total draw for the specified electrified hardware and access control equipment.

1. Acceptable Manufacturers:

a. Securitron (SU) - BPS Series.

2.17 FABRICATION

A. Manufacturer's Nameplate: Do not provide products that have manufacturer's name or trade name displayed in a visible location except in conjunction with required fire-rated labels and as otherwise approved by Architect.

1. Manufacturer's identification is permitted on rim of lock cylinders only.

B. Base Metals: Produce door hardware units of base metal indicated, fabricated by forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness. Furnish metals of a quality equal to or greater than that of specified door hardware units and BHMA A156.18.

C. Fasteners: Provide door hardware manufactured to comply with published templates prepared for machine, wood, and sheet metal screws. Provide screws that comply with commercially recognized industry standards for application intended, except aluminum fasteners are not permitted. Provide Phillips flat-head screws with finished heads to match surface of door hardware, unless otherwise indicated.

1. Concealed Fasteners: For door hardware units that are exposed when door is closed, except for units already specified with concealed fasteners. Do not use through bolts for installation where bolt head or nut on opposite face is exposed unless it is the only means of securely attaching the door hardware. Where through bolts are used on hollow door and frame construction, provide sleeves for each through bolt.
2. Fire-Rated Applications:

a. Wood or Machine Screws: For the following:

1) Hinges mortised to doors or frames; use threaded-to-the-head wood screws for wood doors and frames.
2) Strike plates to frames.
3) Closers to doors and frames.

b. Steel Through Bolts: For the following unless door blocking is provided:

1) Surface hinges to doors.
2) Closers to doors and frames.
3) Surface-mounted exit devices.

3. Spacers or Sex Bolts: For through bolting of hollow-metal doors.
4. Fasteners for Wood Doors: Comply with requirements in DHI WDHS.2, "Recommended Fasteners for Wood Doors."
5. Gasketing Fasteners: Provide noncorrosive fasteners for exterior applications and elsewhere as indicated.

2.18 FINISHES

A. Provide finishes complying with BHMA A156.18 as indicated in door hardware schedule.

B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

C. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance.

B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Steel Doors and Frames: For surface applied door hardware, drill and tap doors and frames according to ANSI/SDI A250.6.

B. Wood Doors: Comply with DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors."

3.3 INSTALLATION

A. Mounting Heights: Mount door hardware units at heights to comply with the following unless otherwise indicated or required to comply with governing regulations.

1. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."

B. Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing. Do not install surface-mounted items until finishes have been completed on substrates involved.

1. Set units level, plumb, and true to line and location. Adjust and reinforce attachment substrates as necessary for proper installation and operation.
2. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

C. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than the number recommended by manufacturer for application indicated or one hinge for every 30 inches of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided.

D. Lock Cylinders: Install construction cores to secure building and areas during construction period.

1. Replace construction cores with permanent cores as directed by Owner.
2. Furnish permanent cores to Owner for installation.

E. Boxed Power Supplies: Locate power supplies as indicated or, if not indicated,. Verify location with Architect.

F. Thresholds: Set thresholds for exterior doors and other doors indicated in full bed of sealant complying with requirements specified in Section 079200 "Joint Sealants."

G. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they will impede traffic.

H. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.

I. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.

J. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed.

3.4 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

1. Spring Hinges: Adjust to achieve positive latching when door is allowed to close freely from an open position of 30 degrees.

2. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly engage lock bolt.
3. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.

B. Occupancy Adjustment: Approximately six months after date of Substantial Completion, Installer's Architectural Hardware Consultant shall examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors, door hardware, and electrified door hardware.

3.5 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door hardware installation.

B. Clean operating items as necessary to restore proper function and finish.

C. Provide final protection and maintain conditions that ensure that door hardware is without damage or deterioration at time of Substantial Completion.

3.6 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain door hardware and door hardware finishes. Refer to Section 01 79 00 "Demonstration and Training."

3.7 DOOR HARDWARE SCHEDULE

A. Manufacturer’s Abbreviations:

1. MK - McKinney
2. RO - Rockwood
3. SA - Sargent
4. NO - Norton
5. RF - Rixson
6. PE - Pemko
7. SU - Securitron

B. Hardware Schedule:

Set: 1.0

Doors: A110.1, A118, E117.2 & E117.3
Description: Exterior Alum Doors w/ Prox Reader

2	Continuous Hinge	MCK-12HD PT	CL	MK
1	Removable Mullion	L980A	US28	SA
1	Rim Exit Device	11 55 56 AD8504	US32D	SA
1	Exit Device	55 56 AD8510	US32D	SA
2	Pull	RM221 Mtg-Type 1XHD	US32D	RO
2	Door Closer	351 PSH 351D 581-2	EN	SA
1	Threshold	171A		PE
2	Sweep	3452CNB		PE
4	ElectroLynx Connectors	As Required		MK
1	Power Supply	BPS-24-2		SU

Notes: The exit devices are electrically retracted or dogged as instructed by the prox reader or timer.
Prox reader & timer furnished & installed by the access control supplier.
Wiring by electrical contractor
The power supply for the electrified exit devices will be supplied by the hardware supplier.
Power supplies for the access control products will be supplied by access control supplier.

Set: 2.0

Doors: A111, A127
Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Lock	11 8237 LNJ	US26D	SA
1	Door Closer	351 PS	EN	SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
1	Gasketing	S88D		PE

Set: 3.0

Doors: A113, B100, B101, B103, B103.1, B107, B108, B109, B111, B112, B113, B113.1, B117, D108, D108.1, E112, E113, E120, E121

Description: Classrooms

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Security Lock	11 8238 LNJ	US26D	SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
1	Wall Stop	409	US32D	RO
1	Gasketing	S88D		PE

Set: 4.0

Doors: A134

Description: Doors w/ Mag Hold Open

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Security Lock	11 8238 ALP	US32D	SA
1	Door Closer	351 P10	EN	SA
1	Armor Plate	K1050 36" x 2" LDW BE CSK	US32D	RO
1	Electromagnetic Holder	998	689	RF
1	Gasketing	S88D		PE

Notes: Wiring by electrical contractor

Set: 5.0

Doors: A135, A164, C113, C116, C116.1, D109, D110, D116.1, E107.1

Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Lock	11 8237 LNJ	US26D	SA
1	Wall Stop	409	US32D	RO

Set: 6.0

Doors: A136, C103, C104, C109

Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Privacy Set	49 8265 LNJ	US26D	SA
1	Wall Stop	409	US32D	RO

Set: 7.0

Doors: A137, A150.1, A161, B122

Description: Exterior Alum Door w/ Prox Reader

1	Continuous Hinge	MCK-12HD PT	CL	MK
1	Rim Exit Device	11 55 56 AD8504	US32D	SA
1	Pull	RM221 Mtg-Type 1XHD	US32D	RO
1	Door Closer	351 PSH 351D 581-2	EN	SA
1	Threshold	171A		PE
1	Sweep	3452CNB		PE
2	ElectroLynx Connectors	As Required		MK
1	Power Supply	BPS-24-1		SU

Notes: The exit devices are electrically retracted or dogged as instructed by the prox reader or timer.
Prox reader & timer furnished & installed by the access control supplier.
Wiring by electrical contractor
The power supply for the electrified exit devices will be supplied by the hardware supplier.
Power supplies for the access control products will be supplied by access control supplier.
Weatherstrip furnished by alum. door supplier

Set: 8.0

Doors: A137.2

Description: Door w/ Mag Hold Open in Closer

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Security Lock	11 8238 ALP	US32D	SA
1	Surface Overhead Holder/Stop	598S	US26D	SA
1	Door Closer (surface) (with Mag Hold Open)	2468	EN	SA
1	Armor Plate	K1050 36" x 2" LDW BE CSK	US32D	RO
1	Gasketing	S88D		PE

Notes: Wiring by electrical contractor

Set: 9.0

Doors: A151, A158
Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Office Lock	11 8205 LNJ	US26D	SA
1	Door Closer	351 O	ED	SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
1	Wall Stop	409	US32D	RO
1	Gasketing	S88D		PE

Set: 10.0

Doors: A152, A159
Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Dormitory Lock	11 49 8225 LNJ	US26D	SA
1	Door Closer	351 O	ED	SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
1	Wall Stop	409	US32D	RO
1	Gasketing	S88D		PE

Set: 11.0

Doors: A152.1, A159.1, C105.1, C111, C112, C114, C115
Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Office Lock	11 8205 LNJ	US26D	SA
1	Wall Stop	409	US32D	RO
1	Gasketing	S88D		PE

Set: 12.0

Doors: A153, A156
Description:

3	Hinge (heavy weight)	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Lock	11 8237 ALP	US32D	SA
1	Door Closer	351 P10	EN	SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
1	Wall Stop	409	US32D	RO
1	Gasketing	S88D		PE

Set: 13.0

Doors: A161.1
Description: Vestibule Alum Door

1	Continuous Hinge	MCK-12HD	CL	MK
1	Push Bar	8893	US32D	SA
1	Pull	RM221 Mtg-Type 1XHD	US32D	RO
1	Door Closer	351 PSH 351D 581-2	EN	SA
1	Wall Stop	409	US32D	RO

Set: 14.0

Doors: A162, A162.1, A163, A163.1
Description: Classroom Doors w/ FEMA Hardware

3	Hinge	SP3786 5" x 4-1/2"	US26D	MK
1	Multipoint Exit Device	11 FM8713 ETL	US32D	SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
1	Wall Stop	409	US32D	RO
1	Gasketing	S88D		PE

Notes: FEMA Hinges & Exit Devices on reinforced hollow metal doors. Not FEMA doors

Set: 15.0

Doors: B104
Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Exit Device	11 8813 ETJ	US32D	SA
1	Surface Overhead Holder/Stop	598S	US26D	SA

Set: 16.0

Doors: B104.1, D102, D115, E112.1, E113.1, E120.1, E121.1
Description: Exterior Alum Door

1	Continuous Hinge	MCK-12HD	CL	MK
1	Rim Exit Device	11 AD8504	US32D	SA
1	Pull	RM221 Mtg-Type 1XHD	US32D	RO
1	Door Closer	351 PSH 351D 581-2	EN	SA
1	Threshold	171A		PE
1	Sweep	3452CNB		PE

Notes: Weatherstrip furnished by alum. door supplier

Set: 17.0

Doors: B105, B116, D101, E104
Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Storeroom Lock	11 8204 LNJ	US26D	SA
1	Door Closer	351 P10	EN	SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
1	Wall Stop	409	US32D	RO
1	Gasketing	S88D		PE

Set: 18.0

Doors: B106, B106.1, B118, B118.1
Description: Doors w/ Mag Hold Open

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Exit Device	11 12 8813 ETJ	US32D	SA
1	Door Closer	351 P10	EN	SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
1	Electromagnetic Holder	998	689	RF
1	Gasketing	S88D		PE

Notes: Wiring by electrical contractor

Set: 19.0

Doors: B114, B114.1
Description: Door w/ Mag Hold Open (180 degree swing)

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Lock	11 8237 LNJ	US26D	SA
1	Door Closer	351 P10	EN	SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
1	Electromagnetic Holder	998	689	RF
1	Gasketing	S88D		PE

Notes: Wiring by electrical contractor

Set: 20.0

Doors: B115
Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Privacy Set	49 8265 LNJ	US26D	SA
1	Door Closer	351 P10	EN	SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
1	Wall Stop	409	US32D	RO
1	Gasketing	S88D		PE

Set: 21.0

Doors: B122.1, B122.2
Description: Exterior Alum Door w/ Timer

1	Continuous Hinge	MCK-12HD PT	CL	MK
1	Exit Device	55 56 AD8510	US32D	SA
1	Pull	RM221 Mtg-Type 1XHD	US32D	RO
1	Door Closer	351 PSH 351D 581-2	EN	SA
1	Threshold	171A		PE
1	Sweep	3452CNB		PE
2	ElectroLynx Connectors	As Required		MK
1	Power Supply	BPS-24-1		SU

Notes: The exit devices are electrically retracted or dogged as instructed by the timer.
Timer furnished & installed by the access control supplier.
Wiring by electrical contractor
The power supply for the electrified exit devices will be supplied by the hardware supplier.
Power supplies for the access control products will be supplied by access control supplier.

Set: 22.0

Doors: B122.3, B122.4, E116, E116.1
Description: Doors w/ Mag Hold Opens

6	Hinge (heavy weight)	T4A3786 4-1/2" x 4-1/2"	US26D	MK
2	Exit Device	11 12 NB8713 ETJ	US32D	SA
2	Door Closer	351 O	ED	SA
2	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
2	Electromagnetic Holder	998	689	RF
1	Gasketing	S88D		PE

Notes: Wiring by electrical contractor

Set: 23.0

Doors: B123, B123.1
Description:

6	Hinge (heavy weight)	T4A3786 4-1/2" x 4-1/2"	US26D	MK
2	Exit Device	11 NB8713 ETJ	US32D	SA
2	Door Closer w/ Hold Open	351 PSH	EN	SA
2	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
2	Wall Stop	409	US32D	RO
1	Gasketing	S88D		PE

Set: 24.0

Doors: C102, C107.1
Description:

3	Hinge (heavy weight)	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Security Lock	11 8238 LNJ	US26D	SA
1	Door Closer	351 P10	EN	SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
1	Wall Stop	409	US32D	RO
1	Gasketing	S88D		PE

Set: 25.0

Doors: C100, C101, E107
Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Lock	11 8237 LNJ	US26D	SA
1	Door Closer	351 O	ED	SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
1	Wall Stop	409	US32D	RO
1	Gasketing	S88D		PE

Set: 26.0

Doors: C105
Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Security Lock	11 8238 LNJ	US26D	SA
1	Door Closer	351 O	ED	SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
1	Wall Stop	409	US32D	RO
1	Gasketing	S88D		PE

Set: 27.0

Doors: C107
Description: Interior Alum Door

1	Continuous Hinge	MCK-12HD	CL	MK
1	Classroom Security Lock	11 8238 LNJ	US26D	SA
1	Door Closer	351 PSH 351D 581-2	EN	SA
1	Wall Stop	409	US32D	RO

Set: 28.0

Doors: C110
Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Dormitory Lock	11 8225 LNJ	US26D	SA
1	Wall Stop	409	US32D	RO

Set: 29.0

Doors: D100 & D100.1, E111.5 & E111.6, E111.7 & E111.8

Description: Exterior Alum Doors w/ Timer

2	Continuous Hinge	MCK-12HD PT	CL	MK
1	Removable Mullion	L980A	US28	SA
2	Exit Device	55 56 AD8510	US32D	SA
2	Pull	RM221 Mtg-Type 1XHD	US32D	RO
2	Door Closer	351 PSH 351D 581-2	EN	SA
1	Threshold	171A		PE
2	Sweep	3452CNB		PE
4	ElectroLynx Connectors	As Required		MK
1	Power Supply	BPS-24-2		SU

Notes: The exit devices are electrically retracted or dogged as instructed by the timer.
Timer furnished & installed by the access control supplier.
Wiring by electrical contractor
The power supply for the electrified exit devices will be supplied by the hardware supplier.
Power supplies for the access control products will be supplied by access control supplier.
Weatherstrip furnished by alum. door supplier

Set: 30.0

Doors: D100.2, E111.9

Description: Exterior Alum Door w/ Prox Reader & Auto Operator

1	Continuous Hinge	MCK-12HD PT	CL	MK
1	Rim Exit Device	11 55 56 AD8504	US32D	SA
1	Pull	RM221 Mtg-Type 1XHD	US32D	RO
2	Door Actuator	501		NO
1	Auto Operator	6060	689	NO
1	Threshold	171A		PE
1	Sweep	3452CNB		PE
2	ElectroLynx Connectors	As Required		MK
1	Power Supply	BPS-24-1		SU

Notes: Unlocked/locked by prox reader or timer per owners instructions.
Prox reader & timer to be furnished by access control supplier
Secure side actuator only active when doors are electrically unlocked.
Non secure side actuator active @ all times, but latch to retract before door opens.
Wiring by electrical contractor
The power supply for the electrified exit devices will be supplied by the hardware supplier.
Power supplies for the access control products will be supplied by access control supplier.
Weatherstrip furnished by alum. door supplier

Set: 31.0

Doors: D100.3

Description: Vestibule Alum Door w/ Auto Operator

1	Continuous Hinge	MCK-12HD	CL	MK
1	Push Bar	8893	US32D	SA
1	Pull	RM221 Mtg-Type 1XHD	US32D	RO
1	Door Actuator	501		NO
1	Auto Operator	6060	689	NO
1	Wall Stop	409	US32D	RO

Notes: Vestibule auto operator turned on/off at the same time as the exterior auto operator.
Wiring by electrical contractor

Set: 32.0

Doors: D100.4 & D100.5, E117 & E117.1

Description: Vestibule Alum Doors

2	Continuous Hinge	MCK-12HD	CL	MK
2	Push Bar	8893	US32D	SA
2	Pull	RM221 Mtg-Type 1XHD	US32D	RO
2	Door Closer	351 PSH 351D 581-2	EN	SA

Set: 33.0

Doors: D101.1

Description: Exterior Alum Doors

2	Continuous Hinge	MCK-12HD	CL	MK
2	Flush Bolt	555	US26D	RO
1	Dormitory Lock	11 8225 LNJ	US26D	SA
2	Door Closer	351 PSH 351D 581-2	EN	SA
1	Threshold	171A		PE
2	Sweep	3452CNB		PE

Notes: Weatherstrip furnished by alum. door supplier

Set: 34.0

Doors: D102.1, E106
Description: Exterior Alum Inswing Door

1	Continuous Hinge	MCK-12HD	CL	MK
1	Classroom Lock	11 8237 LNJ	US26D	SA
1	Concealed Overhead Holder/Stop	698S	US26D	SA
1	Door Closer	351 H	EN	SA
1	Threshold	171A		PE
1	Sweep	3452CNB		PE

Notes: Weatherstrip furnished by alum. door supplier

Set: 35.0

Doors: D116.1
Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Lock	11 8237 LNJ	US26D	SA
1	Door Closer	351 P10	EN	SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
1	Wall Stop	409	US32D	RO
1	Gasketing	S88D		PE

Set: 36.0

Doors: E103
Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Exit Device	11 8813 ETJ	US32D	SA
1	Door Closer	351 P10	EN	SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D	RO
1	Wall Stop	409	US32D	RO
1	Gasketing	S88D		PE

Set: 37.0

Doors: E105
Description:

6	Hinge	TA2714 4-1/2" x 4-1/2"	US26D MK
2	Flush Bolt	555	US26D RO
1	Dust Proof Strike	570	US26D RO
1	Storeroom Lock	11 8204 LNJ	US26D SA
2	Wall Stop	409	US32D RO

Set: 38.0

Doors: E106.1, E106.2
Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D MK
1	Exit Device	11 8813 ETJ	US32D SA
1	Door Closer	351 PS	EN SA
1	Kick Plate	K1050 10" x 2" LDW BE CSK	US32D RO
1	Gasketing	S88D	PE

Set: 39.0

Doors: E111 & E111.1, E111.2 & E111.3
Description: Vestibule Alum Doors w/ Timer

2	Continuous Hinge	MCK-12HD PT	CL MK
1	Removable Mullion	L980A	US28 SA
1	Rim Exit Device	11 55 56 AD8504	US32D SA
1	Exit Device	55 56 AD8510	US32D SA
2	Pull	RM221 Mtg-Type 1XHD	US32D RO
2	Door Closer	351 PSH 351D 581-2	EN SA
4	ElectroLynx Connectors	As Required	MK
1	Push Button	PB3ER	SU
1	Power Supply	BPS-24-2	SU

Notes: The exit devices are electrically retracted or dogged as instructed by the timer.
Timer furnished & installed by the access control supplier.
The push button in office will also retract exit devices allowing entry.
Wiring by electrical contractor
The power supply for the electrified exit devices will be supplied by the hardware supplier.
Power supplies for the access control products will be supplied by access control supplier.

Set: 40.0

Doors: E111.4
Description: Vestibule Alum Door w/ Timer & Auto Operator

1	Continuous Hinge	MCK-12HD PT	CL	MK
1	Rim Exit Device	11 55 56 AD8504	US32D	SA
1	Pull	RM221 Mtg-Type 1XHD	US32D	RO
1	Door Actuator	501		NO
1	Auto Operator	6060	689	NO
1	ElectroLynx Connectors	As Required		MK
1	Push Button	PB3ER		SU
1	Power Supply	BPS-24-1		SU

Notes: The exit devices are electrically retracted or dogged as instructed by the timer.
Timer furnished & installed by the access control supplier.
The push button in office will also retract exit devices.
Wiring by electrical contractor.
Auto operator turned on/off at the same time as exit devices are electrically dogged.
Actuators either side active when auto operator is turned on.
Inside actuator will always send signal to exit device to retract allowing auto operator open door.
The power supply for the electrified exit devices will be supplied by the hardware supplier.
Power supplies for the access control products will be supplied by access control supplier.

Set: 41.0

Doors: E113.2, E120.2
Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Store Door Lock	11 8226 LNJ	US26D	SA
1	Wall Stop	409	US32D	RO

Set: 42.0

Doors: E114, E115, E118, E119
Description:

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Passage Set	8215 LNJ	US26D	SA
1	Wall Stop	409	US32D	RO

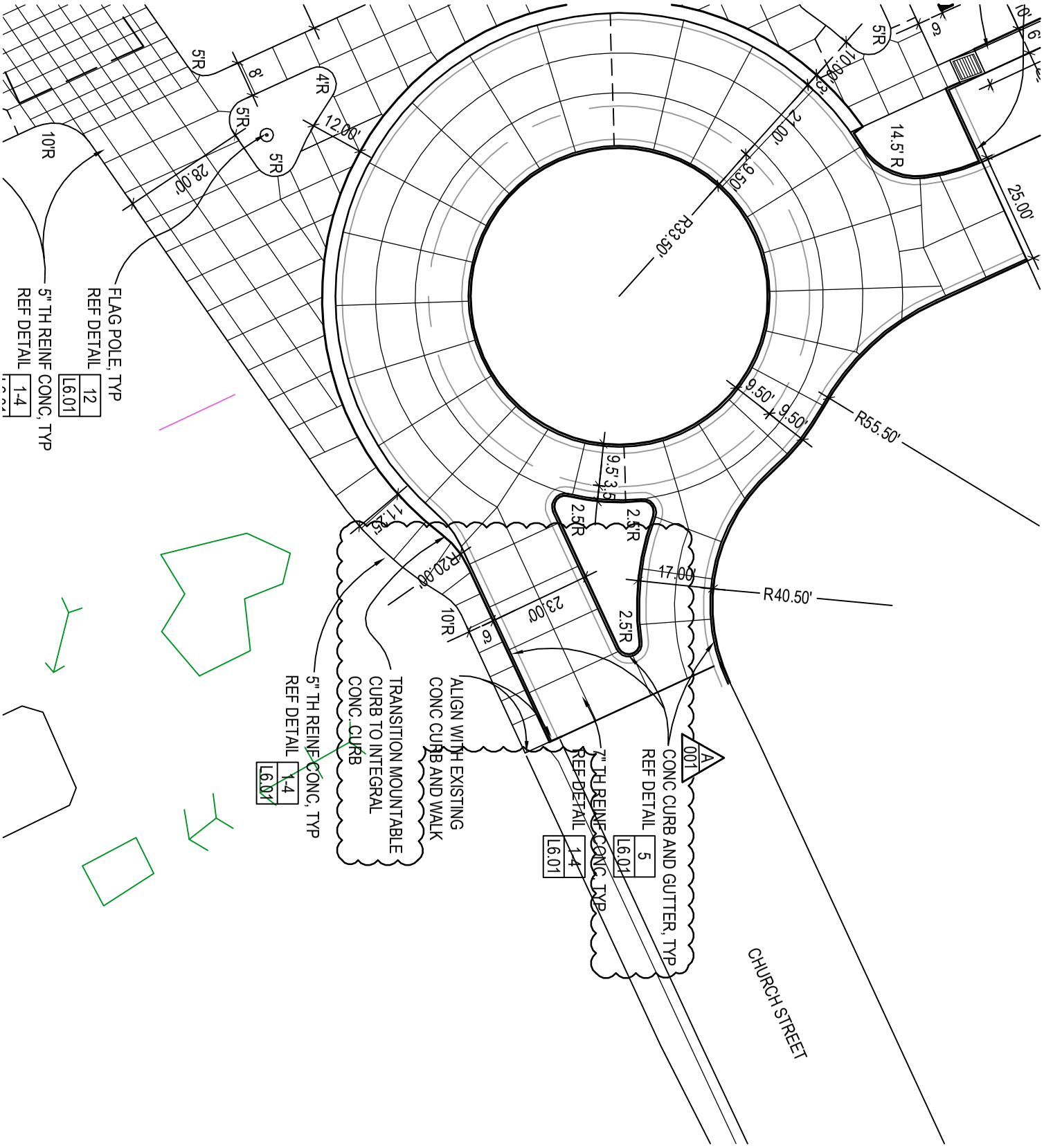
Mark	Hardware
A111	2.0
A113	3.0
A118	1.0
A127	2.0
A134	4.0
A135	5.0
A136	6.0
A137	7.0
A151	9.0
A152	10.0
A153	12.0
A156	12.0
A158	9.0
A159	10.0
A161	7.0
A162	14.0
A163	14.0
A164	5.0
A110.1	1.0
A137.2	8.0
A150.1	7.0
A152.1	11.0
A159.1	11.0
A161.1	13.0
A162.1	14.0
A163.1	14.0
B100	3.0
B101	3.0
B103	3.0
B104	15.0
B105	17.0
B106	18.0
B107	3.0
B108	3.0
B109	3.0
B111	3.0
B112	3.0
B113	3.0
B114	19.0
B115	20.0
B116	17.0
B117	3.0
B118	18.0
B122	7.0
B123	23.0
B103.1	3.0
B104.1	16.0
B106.1	18.0
B113.1	3.0
B114.1	19.0
B118.1	18.0
B122.1	21.0
B122.2	21.0
B122.3	22.0
B122.4	22.0
B123.1	23.0
C100	25.0
C101	25.0
C102	24.0
C103	6.0
C104	6.0
C105	26.0
C107	27.0
C107.1	24.0
C109	6.0
C110	28.0
C111	11.0
C112	11.0
C113	5.0
C114	11.0
C115	11.0
C116	5.0
C105.1	11.0
C116.1	5.0
D101	17.0
D102	16.0
D108	3.0
D109	5.0
D110	5.0
D115	16.0
D100.2	30.0
D100.3	31.0
D101.1	33.0
D102.1	34.0
D108.1	3.0
D116.1	35.0
D100 & D100.1	29.0
D100.4 & D100.5	32.0
E103	36.0
E104	17.0
E105	37.0
E106	34.0
E107	25.0
E112	3.0
E113	3.0
E114	42.0
E115	42.0
E116	22.0
E118	42.0
E119	42.0
E120	3.0
E121	3.0
E106.1	38.0
E106.2	38.0

E107.1	5.0
E111.4	40.0
E111.9	30.0
E112.1	16.0
E113.1	16.0
E113.2	41.0
E116.1	22.0
E120.1	16.0
E120.2	41.0

E121.1	16.0
E111 & E111.1	39.0
E117 & E117.1	32.0
E111.2 & E111.3	39.0
E111.5	29.0

& E111.6	
E111.7 & E111.8	29.0
E117.2 & E117.3	1.0

END OF SECTION 08 71 00



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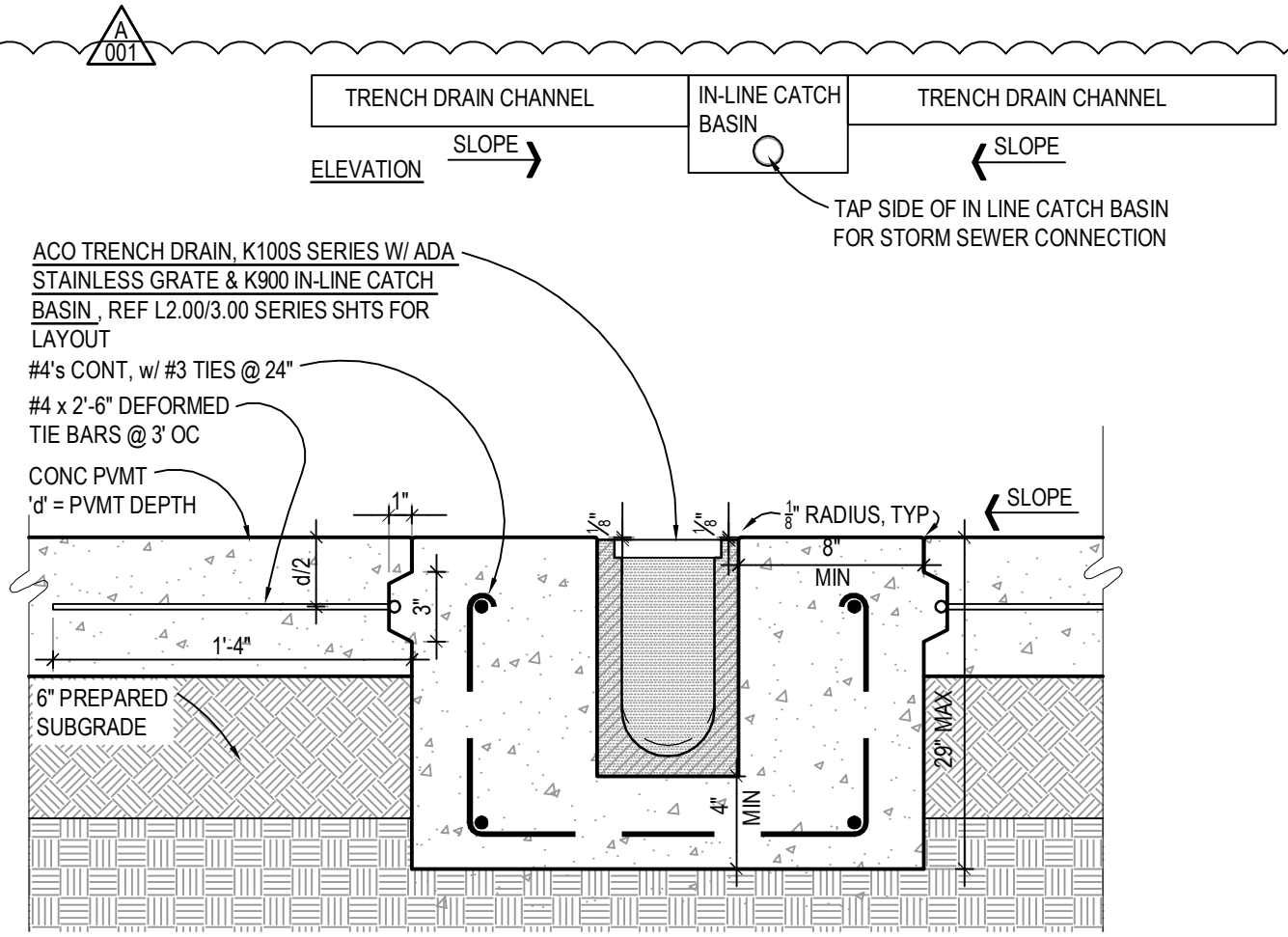
Pleasanton Public Schools
Pleasanton, NE
TCEP Project No.: 796-001-12

Addendum #01
Supplemental Drawing: SDL-001
Revision of Sheet: L2.01
Date: Aug. 16, 2013



13 TRENCH DRAIN

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

Pleasanton Public Schools
Pleasanton, NE
TCEP Project No.: 796-001-12

Addendum #01
Supplemental Drawing: SDL-002
Revision of Sheet: L2.01
Date: Aug. 16, 2013

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FINISH MATERIALS LIST

CARPET TILE	
CPT-1	MANUFACTURER: INTERFACE PRODUCT: CUBIC COLOR: STRUCTURE, 4856 INSTALLATION METHOD: NON DIRECTIONAL
CPT-2	MANUFACTURER: INTERFACE PRODUCT: ON LINE COLOR: LIME, 103798 INSTALLATION METHOD: ASHLAR
CPT-3	MANUFACTURER: INTERFACE PRODUCT: ON LINE COLOR: LAPIS, 103799 INSTALLATION METHOD: ASHLAR
CPT-4	MANUFACTURER: INTERFACE PRODUCT: ON LINE COLOR: MANDARIN, 103803 INSTALLATION METHOD: ASHLAR
CPT-5	MANUFACTURER: INTERFACE PRODUCT: SQUARED OFF, CONFIGURATION COLOR: SPARKLERS INSTALLATION METHOD: NON DIRECTIONAL
CPT-6	MANUFACTURER: INTERFACE PRODUCT: ENTRY LEVEL COLOR: BLACK, 7187 INSTALLATION METHOD: NON DIRECTIONAL
CPT-7	MANUFACTURER: INTERFACE PRODUCT: ON LINE COLOR: POPPY, 103801 INSTALLATION METHOD: ASHLAR
CPT-8	MANUFACTURER: INTERFACE PRODUCT: ON LINE COLOR: PEWTER, 103787 INSTALLATION METHOD: ASHLAR
MARMOLEUM COMPOSITION FLOORING	
MCS-1	MANUFACTURER: FORBO PRODUCT: MCS - MARMOLEUM COMPOSITION SHEET GOODS COLOR: CONCRETE, 3136
MCS-2	MANUFACTURER: FORBO PRODUCT: MCS - MARMOLEUM COMPOSITION SHEET GOODS COLOR: CHARTREUSE, 3224
MCS-3	MANUFACTURER: FORBO PRODUCT: MCS - MARMOLEUM COMPOSITION SHEET GOODS COLOR: LAGUNA, 3228
MCS-4	MANUFACTURER: FORBO PRODUCT: MCS - MARMOLEUM COMPOSITION SHEET GOODS COLOR: KYOTO, 3126
MCS-5	MANUFACTURER: FORBO PRODUCT: MCS - MARMOLEUM COMPOSITION SHEET GOODS COLOR: BLEECKERSTREET, 3127
MCS-6	MANUFACTURER: FORBO PRODUCT: MCS - MARMOLEUM COMPOSITION SHEET GOODS COLOR: SERENE GREY, 3146
PORCELAIN CERAMIC TILE	
PCT-1	MANUFACTURER: CERAMICHE CAESAR PRODUCT: TECNOLITO COLOR: ALHAMBRA, MATTE SIZE: 11-13/16" x 11-13/16"
PCT-2	MANUFACTURER: ASCOT CERAMICHE PRODUCT: KALAHARI COLOR: GREY, SEMI-POLISHED SIZE: 12" x 24"
PCT-3	MANUFACTURER: AMERICAN OLEAN PRODUCT: ULTRATECH COLOR: GRAY SCALE J023, UNPOLISHED SIZE: 24" x 24"
PCT-4	MANUFACTURER: DALTILE PRODUCT: GALLERY, NEXT BY DALTILE, COLORBODY PORCELAIN COLOR: RED, J504, UNPOLISHED SIZE: 12" x 24"
PCT-5	MANUFACTURER: DALTILE PRODUCT: GALLERY, NEXT BY DALTILE, COLORBODY PORCELAIN COLOR: YELLOW, J501, UNPOLISHED SIZE: 12" x 24"
PCT-6	MANUFACTURER: DALTILE PRODUCT: GALLERY, NEXT BY DALTILE, COLORBODY PORCELAIN COLOR: LIME, J502, UNPOLISHED SIZE: 12" x 24"
PCT-7	MANUFACTURER: DALTILE PRODUCT: GALLERY, NEXT BY DALTILE, COLORBODY PORCELAIN COLOR: BLUE, J505, UNPOLISHED SIZE: 12" x 24"
CERAMIC TILE	
CT-1	MANUFACTURER: AMERICAN OLEAN PRODUCT: BRIGHT FIELD TILE COLOR: ICE WHITE, 0025 SIZE: 6" x 6" FIELD TILE & CORRESPONDING SURFACE BULLNOSE S-4669
CT-2	MANUFACTURER: EPOCA CERAMICHE PRODUCT: DESIGN POSITIVE HOME COLOURS COLOR: JAUNE ANIS 03 SIZE: 8" x 20"
CT-3	MANUFACTURER: EPOCA CERAMICHE PRODUCT: DESIGN POSITIVE HOME COLOURS COLOR: BLEU ATOLL 05 SIZE: 8" x 20"
CT-4	MANUFACTURER: EPOCA CERAMICHE PRODUCT: DESIGN POSITIVE HOME COLOURS COLOR: ROUGE ROUGE 05 SIZE: 8" x 20"
CT-5	MANUFACTURER: AMERICAN OLEAN PRODUCT: BRIGHT FIELD TILE COLOR: RUBY RED, 0121 SIZE: 6" x 6" FIELD TILE
CT-6	MANUFACTURER: AMERICAN OLEAN PRODUCT: CERAMIC MOSAICS COLOR: BUFF GRANITE, GA52 SIZE: 2" x 2" FIELD TILE
QUARRY TILE	
QT-1	MANUFACTURER: AMERICAN OLEAN PRODUCT: QUARRY NATURALS COLOR: SHADOW GRAY, N46 SIZE: 8" x 8" x 1/2" FIELD TILE
QB-1	MANUFACTURER: AMERICAN OLEAN PRODUCT: QUARRY NATURALS, QUARRY BASE COLOR: SHADOW GRAY, N46 SIZE: 5" x 8" COVE BASE, Q-3585U
WALL COVERING	
WC-1	MANUFACTURER: D.L. COUCH PRODUCT: ACOUSTICORD COLOR: SUNBURST, ACS-16
WC-2	MANUFACTURER: D.L. COUCH PRODUCT: ACOUSTICORD COLOR: CITRUS, ACS-26
WC-3	MANUFACTURER: D.L. COUCH PRODUCT: ACOUSTICORD COLOR: OCEAN, ACS-22
WC-4	MANUFACTURER: D.L. COUCH PRODUCT: ACOUSTICORD COLOR: CANARY, ACS-11
WC-5	MANUFACTURER: D.L. COUCH PRODUCT: ACOUSTICORD COLOR: SAPPHIRE, ACS-14

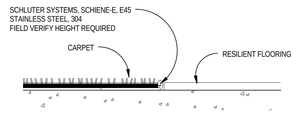
PAINT	
PT-1	MANUFACTURER: SHERWIN WILLIAMS (GENERAL WALLS) COLOR: SHOJI WHITE, SW 7042
PT-2	MANUFACTURER: SHERWIN WILLIAMS COLOR: OFFBEAT GREEN, SW 6706
PT-3	MANUFACTURER: SHERWIN WILLIAMS COLOR: SLICK BLUE, SW 6949
PT-4	MANUFACTURER: SHERWIN WILLIAMS COLOR: DAREDEVEL, SW 6882
PT-5	MANUFACTURER: SHERWIN WILLIAMS COLOR: GUSTO GOLD, SW 6904
PT-6	MANUFACTURER: SHERWIN WILLIAMS COLOR: BLUE CHIP, SW 6959
PT-7	MANUFACTURER: SHERWIN WILLIAMS COLOR: MINDFUL GRAY, SW 7016
PT-8	MANUFACTURER: SHERWIN WILLIAMS COLOR: REAL RED, SW 6868
PT-9	MANUFACTURER: SHERWIN WILLIAMS (CEILING) COLOR: CEILING BRIGHT WHITE, SW 7007
PT-10	MANUFACTURER: SHERWIN WILLIAMS COLOR: METALLIC COLOR TO MATCH CLEAR ANODIZED ALUM.
PT-11	MANUFACTURER: SHERWIN WILLIAMS COLOR: SOFTWARE, SW 7074
WOOD STAIN	
ST-1	MANUFACTURER: SHERWIN WILLIAMS WOOD SPECIES: MAPLE STAIN COLOR: TO MATCH MARSHFIELD DOORS 'CLEAR 0-95'
WOOD	
WD-1	WOOD SPECIES: MAPLE CUT: QUARTER-SAWN
SOLID SURFACE	
SS-1	MANUFACTURER: CORIAN (SILLS) PATTERN: CAMEO WHITE
PLASTIC LAMINATE	
PL-1	MANUFACTURER: WILSONART PATTERN/COLOR: CRISP LINEN, 4942-38
PL-2	MANUFACTURER: WILSONART PATTERN/COLOR: MISTED ZEPHYR, 4843-60
PL-3	MANUFACTURER: WILSONART PATTERN/COLOR: MISTED ZEPHYR, CHEMSURF 390, 4843-60
PL-4	MANUFACTURER: NEVAMAR PATTERN/COLOR: SMOKY WHITE TEXTURED, S-7-27T
PL-5	MANUFACTURER: ABET LAMINATI PATTERN/COLOR: 482 (SEI)
PL-6	MANUFACTURER: ABET LAMINATI PATTERN/COLOR: 482 (SEI)
PL-7	MANUFACTURER: PIONITE PATTERN/COLOR: ROYAL BLUE, SB009
PL-8	MANUFACTURER: PIONITE PATTERN/COLOR: FORSYTHIA, SY913
PL-9	MANUFACTURER: PIONITE PATTERN/COLOR: BITTERSWEET, SO312
RESILIENT BASE	
RB-1	MANUFACTURER: JOHNSONITE PRODUCT: 4" RUBBER BASE COLOR: PEARL, 22
RB-2	MANUFACTURER: JOHNSONITE PRODUCT: 4" RUBBER BASE COLOR: LEAFY, 263
RB-3	MANUFACTURER: JOHNSONITE PRODUCT: 4" RUBBER BASE COLOR: TIDEWATER, 192
RB-4	MANUFACTURER: JOHNSONITE PRODUCT: 4" RUBBER BASE COLOR: CARROT, 140
RB-5	MANUFACTURER: JOHNSONITE PRODUCT: 4" RUBBER BASE COLOR: GOLD RUSH, 134
RB-6	MANUFACTURER: JOHNSONITE PRODUCT: 4" RUBBER BASE COLOR: MARINE, 143
RB-7	MANUFACTURER: JOHNSONITE PRODUCT: 4" RUBBER BASE COLOR: MYSTIFY, 469
RB-8	MANUFACTURER: JOHNSONITE PRODUCT: 4" RUBBER BASE COLOR: BIGTOP, 294
RESILIENT STAIR NOSING/RESILIENT TREADS AND RISERS	
RTR-1/ RSN-1	MANUFACTURER: JOHNSONITE PRODUCT: RUBBER TREADS AND RISERS HTR-469 AND VINYL STAIR NOSING RCN-469-B. SIZE: SEE SPECIFICATION COLOR: MYSTIFY, 469
RESILIENT FLOORING	
RF-1	MANUFACTURER: DINOFLEX PRODUCT: RUBBER INTERLOCK TILES W/ ASSOCIATED REDUCER STRIPS SIZE: 37" x 37" x 1/2" COLOR: 30% RED, #5318
VINYL COMPOSITION TILE	
VCT-1	MANUFACTURER: ARMSTRONG PRODUCT: STANDARD EXCELON, VCT SIZE: 12" x 12" COLOR: PEWTER, 51908
ACOUSTICAL PANEL CEILING	
APC-1	MANUFACTURER: CERTAINTEED PRODUCT: FINE FISSURED HIGH NRC, #HHF-457 HNRC SIZE: 24" x 24" x 3/4" LAY-IN FOR 15/16' GRID COLOR: WHITE
APC-2	MANUFACTURER: CERTAINTEED PRODUCT: VINYLROCK, #1142-CRF-1 SIZE: 24" x 24" x 1/2" LAY-IN FOR 15/16' GRID COLOR: WHITE
APC-3	MANUFACTURER: CERTAINTEED PRODUCT: Performa VOC Compliant Symphony f. #1342-IOF-1 SIZE: 24" x 24" x 1" TRIM EDGE LAY-IN FOR 15/16' GRID COLOR: WHITE
CUBICLE(CURTAIN) FABRIC	
CF-1	MANUFACTURER: DESIGNTEX PATTERN: SYNERGY 8035-901 COLOR: CANYON
WINDOW COVERINGS	
WC-1	MANUFACTURER: MECHOSHADE PRODUCT: MANUAL CLUTCH SINGLE ROLLER SHADE WITH RECESSED CEILING POCKET, 3% OPENNESS FABRIC/COLOR: EUROTWILL 6000 SERIES CHARCOAL 6012
WC-2	MANUFACTURER: MECHOSHADE PRODUCT: MANUAL CLUTCH SINGLE ROLLER SHADE WITH SURFACE MTD. CEILING POCKET, 3% OPENNESS FABRIC/COLOR: EUROTWILL 6000 SERIES CHARCOAL 6012
TACKABLE WALL SURFACE	
TWS-1	MANUFACTURER: FORBO PRODUCT: FORBO BULLETIN BOARD TACKABLE SURFACE COLOR: 2182

FINISH NOTES:

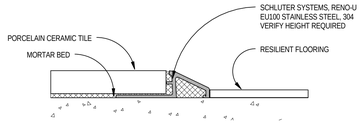
1. RESILIENT BASE TO COORDINATE WITH WALL ACCENT PAINT COLORS AS FOLLOWS:

   PT-1, RB-1 PT-2, RB-2
   PT-3, RB-3 PT-4, RB-4
   PT-5, RB-5 PT-6, RB-6
   PT-7, RB-7 PT-8, RB-8

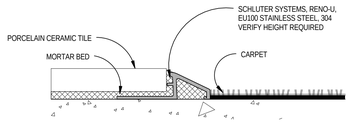
2. INSTALL COVED RUBBER BASE OVER HARD SURFACE FLOORS, STRAIGHT OVER CARPET
3. REFER TO REFLECTED CEILING PLAN FOR CEILING DESIGN, HEIGHT, MATERIALITY
4. PAINT KITCHEN AND ASSOCIATED PREP AND DISH AREAS WITH EPOXY WALL PAINT (WHERE NOT RECEIVING CERAMIC TILE)
5. INFILL PRECAST PANEL JOINTS BEHIND RUBBER BASE WITH JOINT SEALANT, TYP.
6. INSTALL CT-1 ON TWO WALLS ADJACENT TO MOP SINKS, 12" PAST AND 48" ABOVE.



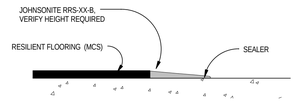
1 TE-1 CPT to MCS
SCALE: 12" = 1'-0"



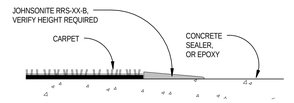
2 TE-2 PCT to MCS
SCALE: 12" = 1'-0"



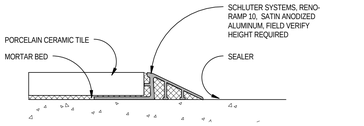
3 TE-3 PCT to CPT
SCALE: 12" = 1'-0"



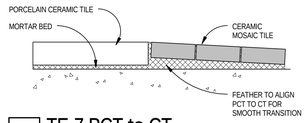
4 TE-4 MCS to SEALER
SCALE: 12" = 1'-0"



5 TE-5 CPT to SEALER
SCALE: 12" = 1'-0"



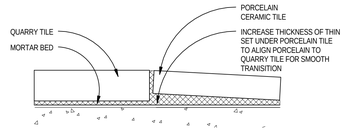
6 TE-6 PCT to SEALER
SCALE: 12" = 1'-0"



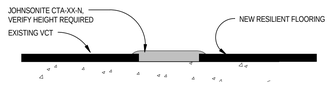
7 TE-7 PCT to CT
SCALE: 12" = 1'-0"

REFER TO RF (SPORTS FLOORING) MANUFACTURER'S RECOMMENDED TRANSITION EDGE

8 TE-8 RF to ___
SCALE: 12" = 1'-0"

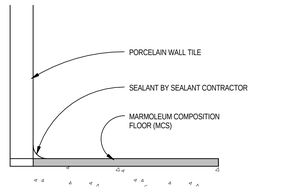


9 TE-9 PCT to QT
SCALE: 12" = 1'-0"

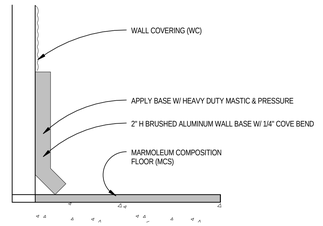


NOTE: IF A CLEAN STRAIGHT EDGE TRANSITION FROM EXISTING FLOOR MATERIAL TO NEW CAN BE ACHIEVED WITHOUT THE USE OF A TRANSISTION EDGE ACCESSORY PIECE, DO NOT INCLUDE.

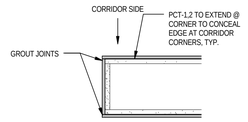
11 TE-11 EXG. VCT to MCS
SCALE: 12" = 1'-0"



PCT Wall to MCS Floor Transition
SCALE: 12" = 1'-0"



WC at Wall to MCS Floor Transition
SCALE: 12" = 1'-0"



10 WALL PCT TYP. CORNER DETAIL
SCALE: 1 1/2" = 1'-0"

ROOM FINISH SCHEDULE - AREA 'A'

		FLOOR			NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING			
ROOM NUMBER	ROOM NAME	MTL.	FIN.	BASE	MTL.	FIN.	MTL.	FIN.	MTL.	FIN.	MTL.	FIN.	MTL.	FIN.	HT.	COMMENTS
A101	CLASSROOM	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A102	CLASSROOM	-	EXISTING		-	-	-	-	-	-	-	-	-	-		
A103	STORAGE	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A104	DARKROOM	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A104.1	FILM LOADING	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A105	CLASSROOM	-	EXISTING		-	-	-	-	-	-	-	-	-	-		
A106	CLASSROOM	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A106.1	STORAGE	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A107	CLASSROOM	-	EXISTING		-	-	-	-	-	-	-	-	-	-		
A108	SHOP	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A109	SHOP	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A110	CORRIDOR	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A110.1	VESTIBULE	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A111	PRODUCTION	-	EXISTING	-	-	-	GPDW	PT-1	-	-	-	-	-	-		
A112	CLASSROOM	EXISTING	CPT-1	RB-1,5	CMU	PT-1	GPDW	PT-5	CMU	PT-1	CMU	PT-1	APC-1/	-	9'-0"	RENOVATION
A113	CLASSROOM	EXISTING	CPT-1	RB-1,3	CMU	PT-1	CMU	PT-1	CMU	PT-1	GPDW	PT-3	APC-1/	-	9'-0"	RENOVATION
A114	FINISH ROOM	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A115	SHOP	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A116	SHOP	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A117	SHOP	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A118	VESTIBULE	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A119	CORRIDOR	EXISTING	EXISTING	-	CMU	PT-1	CMU	PT-1	-	-	CMU	PT-1	EXISTING	-		RENOVATION
A120	CORRIDOR	EXISTING	PCT-3	RB-1	EXG.	PT-1	-	-	EXG.	PT-1	EXG.	PT-1	EXG. APC	-	9'-0"	RENOVATION
A121	GUIDANCE CONFERENCE	EXISTING	EXISTING	-	-	EXISTING	-	EXISTING	-	EXISTING	-	EXISTING	EXISTING	-		RENOVATION
A122	GUIDANCE OFFICE	EXISTING	EXISTING	-	-	EXISTING	-	EXISTING	-	EXISTING	-	EXISTING	EXISTING	-		RENOVATION
A123	CONFERENCE	EXISTING	CPT-1	RB-1,6	CMU	PT-1	CMU	PT-1	CMU	PT-1	CMU	PT-6	APC-1	-	9'-0"	RENOVATION
A124	MECHANICAL	EXISTING	EXISTING	-	-	EXISTING	-	EXISTING	-	EXISTING	-	EXISTING	EXISTING	-		RENOVATION
A125	CUSTODIAL	EXISTING	EXISTING	-	-	EXISTING	EXG. CMU	EXISTING	-	EXISTING	-	EXISTING	EXG. APC	-		RENOVATION
A126	CONCESSIONS	EXISTING	EXISTING	-	EXG. CMU	PT-1	EXG. CMU	PT-1	EXG. CMU	PT-1	EXG. CMU	PT-1	EXG. APC	-		RENOVATION
A127	WORKROOM	EXISTING	CPT-5	RB-1	EXG.	PT-1	GPDW	PT-1	EXG.	PT-1	EXG.	PT-1	APC-1	-	9'-0"	RENOVATION
A128	RESTROOM	EXISTING	EXISTING	-	-	EXISTING	-	EXISTING	-	EXISTING	-	EXISTING	EXISTING	-		RENOVATION
A129	MECHANICAL	EXISTING	EXISTING	-	-	EXISTING	-	EXISTING	-	EXISTING	-	EXISTING	EXISTING	-		RENOVATION
A130	GYMNASIUM			-	-				-	-	-	-		-		RENOVATION
A131	COMMONS	EXG.CONC/CONC	PCT-3		-	EXISTING	GPDW/CMU	PCT-1,2/PT-1	CMU	PT-1	GPDW/CMU	PCT-1,2/PT-1	EXG.APC/APC-1/GPDW	-/-/PT-9		RENOVATION
A132	MENS RESTROOM	EXISTING	EXISTING	-	-	EXISTING	-	EXISTING	-	EXISTING	-	EXISTING	EXISTING	-		RENOVATION
A133	WOMEN'S RESTROOM	EXISTING	EXISTING	-	-	EXISTING	-	EXISTING	-	EXISTING	-	EXISTING	EXISTING	-		RENOVATION
A134	WAREWASH	CONC	QT-1	QB-1	GPDW	CT-1	GPDW	CT-1	GPDW	CT-1	GPDW	CT-1	APC-2	-	9'-0"	RENOVATION
A135	CUSTODIAL	CONC	QT-1	QB-1	GPDW	CT-1/PT-1	GPDW	CT-1/PT-1	GPDW	PT-1	GPDW	PT-1	APC-2	-	9'-0"	RENOVATION
A136	RESTROOM	CONC	QT-1	QB-1	CMU	CT-1/PT-1	CMU	CT-1/PT-1	GPDW	CT-1/PT-1	GPDW	CT-1	GPDW	PT-9	9'-0"	RENOVATION
A137	KITCHEN	CONC	QT-1	QB-1	GPDW	CT-1/PT-1	CMU	CT-1/PT-1	GPDW/CMU	CT-1/PT-1	GPDW	CT-1/PT-1	APC-2	-	9'-0"	RENOVATION
A138	OFFICE	CONC	QT-1	QB-1	CMU	PT-1	CMU	PT-1	CMU	PT-1	CMU	PT-1	APC-2	-	9'-0"	RENOVATION
A139	COOLER	CONC	QT-1	QB-1	GPDW	PT-1	CMU	PT-1	CMU	PT-1	GPDW	PT-1	-	-		RENOVATION
A140	FREEZER	CONC	QT-1	QB-1	GPDW	PT-1	CMU	PT-1	CMU	PT-1	GPDW	PT-1	-	-		RENOVATION
A141	STORAGE	CONC	QT-1	QB-1	CMU	PT-1	CMU	PT-1	CMU	PT-1	CMU	PT-1	APC-2	-	9'-0"	RENOVATION
A142	CORRIDOR	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A143	STORAGE	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A144	WOMEN'S LOCKER	EXISTING	SEALER	-	-	-	-	-	-	-	-	-	CONC	PT-9 *		*PATCH & PT CEILING AS REQ'D
A144.1	WOMEN'S SHOWER		EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A144.2	WOMEN'S SHOWER	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A145	MEN'S LOCKER	EXG/CONC	SEALER	-	EXG. CMU	PT-1	EXG. CMU	PT-1	EXG. CMU	PT-1	EXG. CMU	PT-1		PT-9		
A145.1	MEN'S SHOWER	-	EXISTING *	-	-	-	-	-	-	-	-	-	-	-		*PATCH TILE @ FLOOR DRAINS,TYP.
A145.2	MEN'S SHOWER		EXISTING *	-	-	-	-	-	-	-	-	-	-	-		*PATCH TILE @ FLOOR DRAINS,TYP.
A146	STORAGE	EXISTING		-	-	-	-	-	-	-	-	-	-	-		
A147	CORRIDOR	-	EXISTING	-	-	-	-	-	-	-	-	-	-	-		
A148	ATHLETIC STORAGE	EXG/CONC	SEALER	RB-1	EXG.	PT-1	EXG.	PT-1	EXG.	PT-1	EXG.	PT-1	EXISTING			
A149	TRAINER		EXISTING	-		-		-		-		-		-		
A150	CORRIDOR	CONC	MCS-1,5	RB-1	PRECAST	PT-1	PRECAST	PT-1	PRECAST	PT-1	EXG.	PT-1	APC-1	-	9'-0"	NEW CONSTRUCTION
A151	MEN'S CoACH	CONC	CPT-5	RB-1,8	PRECAST	PT-1	PRECAST	PT-1	PRECAST	PT-8	EXG. BRK	-	APC-1	-	9'-0"	NEW CONSTRUCTION
A152	MEN'S COACH SHOWER	CONC	PCT-3,CT-6	-	PRECAST	CT-1/PT-1	PRECAST	CT-1/PT-1	PRECAST	CT-1/PT-1	PRECAST	CT-1/PT-1	PLASTER	-	9'-0"	NEW CONSTRUCTION
A153	MEN'S LOCKER	CONC	SEALER	-	PRECAST	PT-1,8	PRECAST	PT-1,8	PRECAST	PT-1	EXG. BRK	-	-	PT-9		NEW CONSTRUCTION
A154	MEN'S SHOWER	CONC	PCT-3,CT-6	-	PRECAST	CT-1,5/PT-1	PRECAST	CT-1	PRECAST	CT-1/PT-1	EXG.BRK	-	PLASTER	-	9'-0"	NEW CONSTRUCTION
A155	WOMEN'S SHOWER	CONC	PCT-3,CT-6	-	PRECAST	CT-1/PT-1	PRECAST	CT-1	PRECAST	CT-1,5/PT-1	EXG. BRK	-	PLASTER	-	9'-0"	NEW CONSTRUCTION
A156	WOMEN'S LOCKER	CONC	SEALER	RB-1	PRECAST	PT-1	PRECAST	PT-1,8	PRECAST	PT-1,8	EXG. BRK	-	-	PT-9		NEW CONSTRUCTION
A157	CORRIDOR	CONC	MCS-5	RB-1	PRECAST	PT-1	PRECAST	PT-1	PRECAST	PT-1	EXG. BRK	-	APC-1	-	9'-0"	NEW CONSTRUCTION
A158	WOMEN'S COACH	CONC	CPT-5	RB-1,8	PRECAST	PT-1	PRECAST	PT-1	PRECAST	PT-8	EXG. BRK	-	APC-1	-	9'-0"	NEW CONSTRUCTION
A159	WOMEN'S COACH SHOWER	CONC	PCT-3,CT-6	-	PRECAST	CT-1/PT-1	PRECAST	CT-1/PT-1	PRECAST	CT-1/PT-1	PRECAST	CT-1/PT-1	PLASTER	-	9'-0"	NEW CONSTRUCTION
A160	CORRIDOR	CONC	MCS-1,5	RB-1	PRECAST	PT-1	PRECAST	PT-1	PRECAST	PT-1	PRECAST	PT-1,CT-5	APC-1/GPDW	-/PT-9	9'-0"	NEW CONSTRUCTION
A161	VESTIBULE	CONC	CPT-6	RB-1	PRECAST	PT-1	PRECAST	PT-1	PRECAST	PT-1	PRECAST	PT-1	PLASTER	-	9'-0"	NEW CONSTRUCTION
A162	WRESTLING	CONC	SEALER	RB-1	PRECAST	PT-1	PRECAST	PT-1	-	-	PRECAST	PT-1	-/TECTUM/GPDW	-/-/PT-9		NEW CONSTRUCTION
A163	WEIGHT	CONC	RF-1	RB-1	-	-	PRECAST	PT-1	PRECAST	PT-1	PRECAST	PT-1	-/TECTUM/GPDW	-/-/PT-9		NEW CONSTRUCTION
A164	STORAGE	CONC	SEALER	RB-1	PRECAST	PT-1	PRECAST	PT-1	PRECAST	PT-1	PRECAST	PT-1	GPDW	PT-9	9'-0"	NEW CONSTRUCTION

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7 - 8	SHEET HISTORY:	
ISSUED	08/01/2013	CONSTRUCTION DOCUMENTS
A - 001	08/16/2013	ADDENDUM 1

Pleasanton Public Schools
303 W. Church St.
Pleasanton, NE 68866

TCEP No.: 796-001-12

Aug. 01, 2013

Finish Materials List & Area 'A' Room Finish Schedule

F1.00