



ADDENDUM NO. #2

Project: City Impact

BVH Project No.: L11118.cim

Location: Lincoln, Nebraska

Date: 08 October, 2012

This Addendum is issued by the Architect to all bidders of record prior to receipt of proposals. Bidders shall acknowledge receipt of this addendum by so indicating on the Proposal Form. Failure to do so may subject Bidder to disqualification.

All information and instructions given herein shall become a part of the Contract Documents.

GENERAL

1. See attached Pre-Bid Meeting Sign In Sheet
2. See attached Civil Addendum Items
3. See attached Mechanical & Electrical Addendum Items

PROJECT MANUAL

1. Add Specification Section 084413 'Glazed Aluminum Curtain Walls'
2. Section 075300. 2.01 B Johns Mansville is an approved manufacturer.
3. Section 098401. 2.02 e. Install panels at 9'-0" A.F.F to structure. See elevations on Sheet A8.2

DRAWINGS

1. Aluminum Frames AL-6, AL-12, AL-15, AL-16, AL-18, AL-19, AL-20, AL-39, AL-40 to be low-rise curtain wall framing. Front Set Glazing Required. All Exterior Frames to be designed to meet 25 PSF positive and negative wind pressures without additional steel framing.
2. Aluminum Frame on sheet A7.0, lower left corner to be Aluminum Frame Type 24. This frame occurs at Gym 148 & Corridor 150.

END OF ADDENDUM



BAHR VERMEER HAECKER

PRE-BID SIGN IN SHEET

City Impact

Lincoln, Nebraska

Tuesday, October 2, 2012; 10:00 a.m.

Name	Company	Email	Phone
David Potter	Progressive Electric	david@progressiveelectric.net	402-466-4222
Dane Wark	Wark Electric	dane.wark@warkelectric.com	402-464-4339
Phil Oetke	Wellmann Pkg	poetke@wellmanninc.com	402-434-2400
Bob Senats	Mc Larkins		402-464-1665
Don Wilson	Bob's Don's Pkg	BW5020@windstream.net	402-464-2929
Greg Brotom	Viking Sprinkler	greg.brotom@vikingsprinkler.us	402-697-1000
DAVID DUTRY	MEININGER FIRE PROT.	DAVID@MFP-INC.COM	402-466-2610
Daw Petr	Kidwell	dpetri@kidwell.us.com	402-473-7743
Troy Foster	Cornhusker Htg	Tfure@CornhuskerHtg.com	402-464-3159
SCOTT JOHNSON	Capitol City Electric	CCEKRE@AOL.COM	(402) 420-7435
Nabe Burnnett	REGA Engineering	nburnett@regengineering.com	(402) 484-7342
Tom ERNST	ETI		



BAHR VERMEER HAECKER

PRE-BID SIGN IN SHEET

City Impact

Lincoln, Nebraska

Tuesday, October 2, 2012; 10:00 a.m.

Name	Company	Email	Phone
JIM LANGE	Lange Structural Group	jime.lange@structuralgroup.com	402-421-9540
DENNIS COONHEE	BVH	dcoondrieft@bvh.com	402 475 4551
MATT BOWERS	BVH	mbowers@bvh.com	402.475.4551

SECTION 084413
GLAZED ALUMINUM CURTAIN WALLS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Aluminum Curtain Wall Systems, including perimeter trims, stools, accessories, shims and all other components for a complete system.
- B. Perimeter sealant.

1.02 RELATED REQUIREMENTS

- A. Section 051200 - Structural Steel Framing: Steel attachment members.
- B. Section 079005 - Joint Sealers: Perimeter sealant and back-up materials.
- C. Section 084313 - Aluminum-Framed Storefronts: Entrance framing and doors.
- D. Section 088000 - Glazing.

1.03 REFERENCE STANDARDS

- A. AAMA 501.1 - Standard Test Method for Exterior Windows, Curtain Walls and Doors for Water Penetration Using Dynamic Pressure; American Architectural Manufacturers Association; 2005.
- B. AAMA 507 - Current Edition.
- C. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; American Architectural Manufacturers Association; 1998.
- D. AAMA 1503 - Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections; American Architectural Manufacturers Association; 2009.
- E. ASCE 7 - Minimum Design Loads for Buildings and Other Structures; American Society of Civil Engineers; 2011.
- F. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2008.
- G. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2009.
- H. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2008.
- I. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes [Metric]; 2007.
- J. ASTM E283 - Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen; 2004.
- K. ASTM E330 - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference; 2002 (Reapproved 2010).
- L. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference; 2000 (Reapproved 2009).
- M. ASTM E413 - Classification for Rating Sound Insulation; 2010.
- N. SSPC-Paint 20 - Zinc-Rich Primers (Type I, "Inorganic," and Type II, "Organic"); Society for Protective Coatings; 2002 (Ed. 2004).

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate with installation of other components that comprise the exterior enclosure.
- B. Preinstallation Meeting: Conduct a preinstallation meeting one week before starting work of this section; require attendance by all affected installers.

1.05 PERFORMANCE REQUIREMENTS

- A. Performance Requirements: Provide aluminum curtain wall systems that comply with performance requirements indicated, as demonstrated by testing manufacturer's assemblies in accordance with test method indicated.
- B. Wind Loads: Completed curtain wall system shall withstand wind pressure loads normal to wall plane.
 - 1. Positive Wind Load: 30 lbs/sq. ft.
 - 2. Negative Wind Load: 30 lbs/sq. ft.
- C. Deflection: Maximum allowable deflection in any member when tested in accordance with ASTM E 330 with allowable stress in accordance with AA Specifications for Aluminum Structures.
 - 1. There shall be no deflection in excess of L/175 of the span of any framing member at design load.
 - 2. At structural test load equal to 1.5 times the specified design load, no glass breakage or permanent set in the framing members in excess of 0.2% of their clear spans shall occur.
- D. Thermal Movement: Provide for thermal movement caused by 180 degrees F. (82.2 degrees C.) surface temperature, without causing buckling stresses on glass, joint seal failure, undue stress on structural elements, damaging loads on fasteners, reduction of performance, or detrimental effects.
- E. Air Infiltration: When tested in accordance with ASTM E 283 at differential static pressure of 6.24 PSF (299 Pa), completed curtain wall systems shall have maximum allowable infiltration of:
 - 1. 0.06 cfm/ft² of wall area.
- F. Water Resistance:
 - 1. No uncontrolled water on indoor face of any component when tested in accordance with ASTM E 331 at a static pressure of 12 PSF (575 Pa) as defined in AAMA 501.
 - 2. No uncontrolled water on indoor face of any component when tested in accordance with AAMA 501.1 at a dynamic pressure of 12 PSF (575 Pa) as defined in AAMA 501.
- G. Thermal Performance when tested in accordance with AAMA 1503.1 and AAMA 507:
 - 1. Condensation Resistance Factor (CRF): For a Captured Frame-a minimum of 69 for frame and 60 for glass when measured in accordance with AAMA 1503.1.
 - 2. Thermal Transmittance U Value: Captured 0.63 (clear) BTU/HR/FT²/°F or less per AAMA 507.
 - 3. Optional Incidental Water Management: Head member shall be capable of directing condensation from the wall cavity above the curtain wall to the exterior of the system.
- H. Acoustical Performance: Acoustical Performance: When tested in accordance with ASTM E 1425:
 - 1. Sound Transmission Class (STC) shall not be less than 34.
 - 2. Outdoor-Indoor Transmission Class (OITC) shall not be less than 28.
 - 3. Design system to eliminate noises caused by wind and thermal movement, to prevent vibration harmonics and to prevent "stack effect" in internal spaces.
- I. System Internal Drainage. Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel and migrating moisture occurring within the system.
- J. Expansion/Contraction: Provide for expansion and contraction within system components caused by cycling temperature range of -10 to 120 degrees F over a 12 hour period without causing detrimental effect to the system components, anchorages and other building elements.

1.06 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide component dimensions, describe components within assembly, anchorage and fasteners, glazing and infill, internal drainage details and performance characteristics of design meeting or exceeding Performance Requirements indicated above.

- C. Shop Drawings: Indicate system dimensions, framed opening requirements and tolerances, affected related Work, expansion and contraction joint location and details, and field welding required.
- D. Samples: Submit one sample 12x12 inches in size illustrating finished aluminum surface, custom cover, glazing, glazing materials.
- E. Design Data: Provide framing member structural and physical characteristics and engineering calculations, and identify dimensional limitations.
- F. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.07 QUALITY ASSURANCE

- A. Designer Qualifications: Design structural support framing components under direct supervision of a Professional Structural Engineer experienced in design of this Work and licensed at State of Nebraska.
- B. Manufacturer and Installer: Company specializing in manufacturing aluminum glazing systems with minimum three years of documented experience.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Handle products of this section in accordance with AAMA CW-10.
- B. Protect finished aluminum surfaces with wrapping. Do not use adhesive papers or sprayed coatings that bond to aluminum when exposed to sunlight or weather.

1.09 PROJECT CONDITIONS

- A. Coordinate the work with installation of air barrier and vapor retarder components or materials.

1.10 FIELD CONDITIONS

- A. Do not install sealants when ambient temperature is less than 40 degrees F. Maintain this minimum temperature during and 48 hours after installation.

1.11 WARRANTY

- A. See Section 017800 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective Work within a five year period after Date of Substantial Completion. Provide manufacturer's warranty in which manufacturer agrees to repair or replace components of aluminum-framed systems that do not comply with requirements or that fail in materials or workmanship within the specified warranty period;
 - 1. Failures include, but are not limited to;
 - a. Structural Failures including but not limited to excessive deflection.
 - b. Noise or vibration caused by thermal movements.
 - c. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - d. Adhesive or cohesive sealant failures.
 - e. Water Leakage through fixed glazing and framing areas.
 - f. Failure of operating components.
- C. Provide five year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Basis of Design: Kawneer Company, Inc. ; Product Series 1600 L R Wall.
- B. Other Acceptable Manufacturers:
 - 1. YKK AP America Inc: www.ykkap.com.
 - 2. Manko Window Systems, Inc: www.mankowindows.com.
 - 3. EFCO .
 - 4. Substitutions: See Section 016000 - Product Requirements.

2.02 CURTAIN WALL

- A. Aluminum-Framed Curtain Wall: Factory fabricated, factory finished aluminum framing members with infill, and related flashings, anchorage and attachment devices. Aluminum Framing Members: Tubular aluminum sections, thermally broken with interior section insulated from exterior, drainage holes and internal weep drainage system.
 - 1. Outside glazed, with pressure plate and mullion cover.
 - 2. Horizontal and Vertical Mullion Dimensions: 2 1/2 inches wide by 5 3/4 inches deep.
 - 3. Fabrication: Joints and corners flush, hairline, and weatherproof, accurately fitted and secured; prepared to receive anchors; fasteners and attachments concealed from view; reinforced as required for imposed loads.

2.03 MATERIALS

- A. Extruded Aluminum: ASTM B221 (ASTM B221M), 6063-T6 alloy and temper.
- B. Tolerances: Reference to tolerances for wall thickness and other cross-sectional dimensions of curtain wall members are nominal and in compliance with AA Aluminum Standards and Data.
- C. Structural Steel Sections: ASTM A36/A36M; galvanized in accordance with requirements of ASTM A123/A123M.
- D. Structural Supporting Anchors: See Section 051200.
- E. Structural Supporting Anchors Attached to Structural Steel: Design for welded attachment.
- F. Structural Supporting Anchors Attached to Reinforced Concrete Members: Design for welded attachment to weld plates embedded in concrete.
- G. Fasteners: Stainless steel.
- H. Exposed Flashings: 0.032 inch thick aluminum sheet; finish to match framing members.
- I. Concealed Flashings: 0.018 inch thick aluminum.
- J. Perimeter Sealant: Type recommended by manufacturer and as specified in Section 079005.
- K. Glazing: As specified in Section 088000.
- L. Glazing Gaskets: As supplied or approved by manufacturer. Type to suit application to achieve weather, moisture, and air infiltration requirements. Glazing gaskets shall comply with ASTM C 864 and be extruded of a silicone compatible EPDM rubber that provides for silicone adhesion.
- M. Thermal Barrier: Thermal separator shall be extruded of a silicone compatible EPDM rubber that provides for silicone adhesion.
- N. Glazing Accessories: As specified in Section 088000.
- O. Touch-Up Primer for Galvanized Steel Surfaces: SSPC-Paint 20, zinc rich.

2.04 FINISHES

- A. Class I Natural Anodized Finish: AAMA 611 AA-M12C22A41 Clear anodic coating or AAMA 612 clear anodic coating with electrolytically deposited organic seal; not less than 0.7 mils thick.
- B. Touch-Up Materials: As recommended by coating manufacturer for field application.

2.05 FABRICATION

- A. Fabricate components with minimum clearances and shim spacing around perimeter of assembly, yet enabling installation and dynamic movement of perimeter seal.
- B. Accurately fit and secure joints and corners. Make joints flush, hairline, and weatherproof.
- C. Prepare components to receive anchor devices. Fabricate anchors.
- D. Coat concealed metal surfaces that will be in contact with cementitious materials or dissimilar metals with bituminous paint.
- E. Arrange fasteners and attachments to conceal from view.
- F. Reinforce framing members for imposed loads.
- G. Finishing: Apply factory finish to all surfaces that will be exposed in completed assemblies.

1. Touch-up surfaces cut during fabrication so that no natural aluminum is visible in completed assemblies, including joint edges.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify dimensions, tolerances, and method of attachment with other work.
- B. Verify that wall openings and adjoining air and vapor seal materials are ready to receive work of this section.
- C. Verify that anchorage devices have been properly installed and located.

3.02 INSTALLATION

- A. Install wall system in accordance with manufacturer's instructions.
- B. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.
- C. Provide alignment attachments and shims to permanently fasten system to building structure.
- D. Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work.
- E. Provide thermal isolation where components penetrate or disrupt building insulation.
- F. Install sill flashings. Turn up ends and edges; seal to adjacent work to form water tight dam.
- G. Coordinate attachment and seal of perimeter air and vapor barrier materials.
- H. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
- I. Pressure Plate Framing: Install glazing in accordance with Section 088000, using exterior dry glazing method.
- J. Install perimeter sealant in accordance with Section 079005.
- K. Touch-up minor damage to factory applied finish; replace components that cannot be satisfactorily repaired.

3.03 TOLERANCES

- A. Maximum Variation from Plumb: 0.06 inches every 3 ft non-cumulative or 0.5 inches per 100 ft, whichever is less.
- B. Maximum Misalignment of Two Adjoining Members Abutting in Plane: 1/32 inch.
- C. Sealant Space Between Curtain Wall Mullions and Adjacent Construction: Maximum of 3/4 inch and minimum of 1/4 inch.

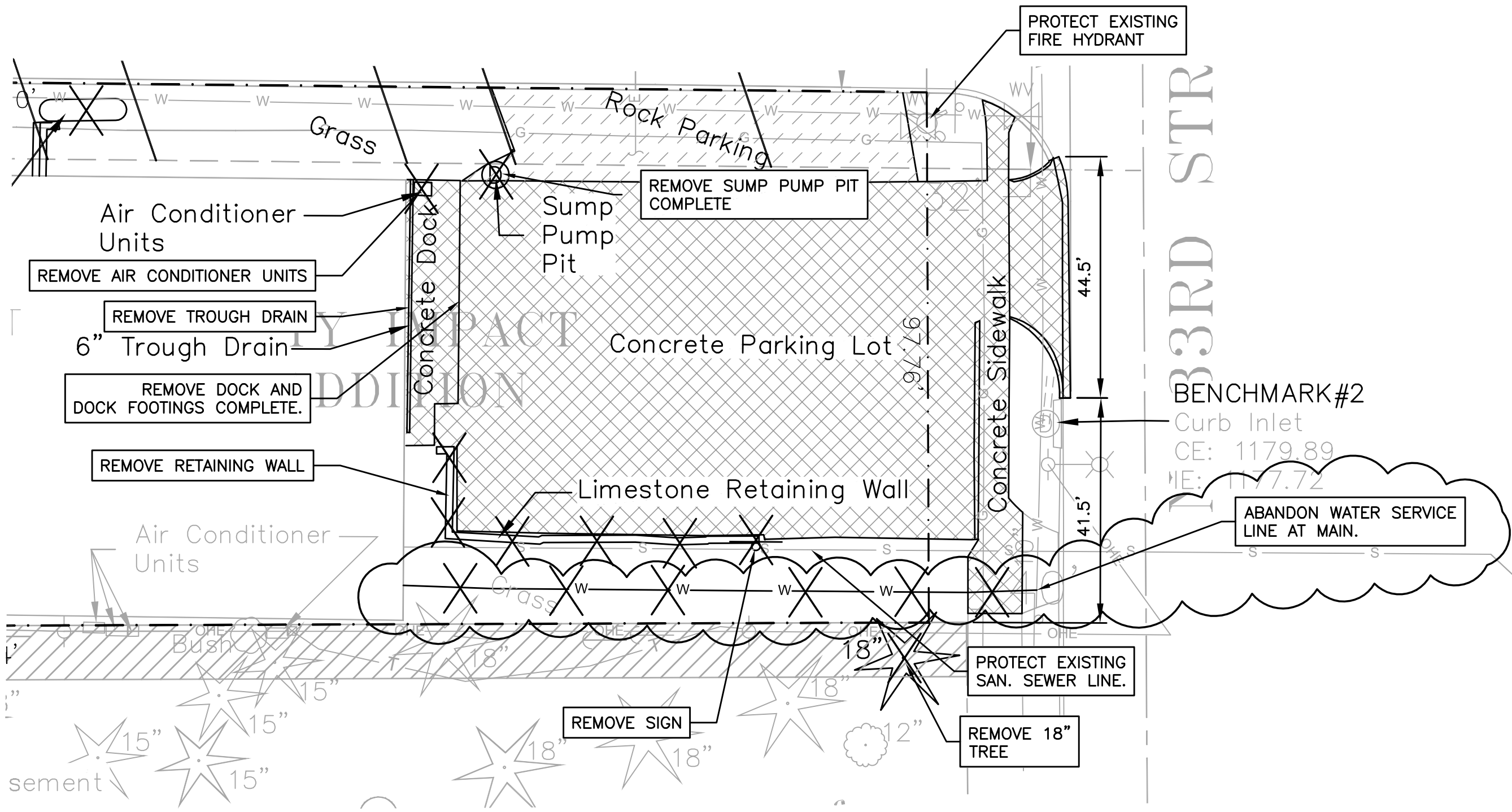
3.04 CLEANING

- A. Remove protective material from pre-finished aluminum surfaces.
- B. Wash down surfaces with a solution of mild detergent in warm water, applied with soft, clean wiping cloths. Take care to remove dirt from corners. Wipe surfaces clean.
- C. Remove excess sealant by method acceptable to sealant manufacturer.

3.05 PROTECTION

- A. Protect installed products from damage during subsequent construction.

END OF SECTION



DEMOLITION PLAN

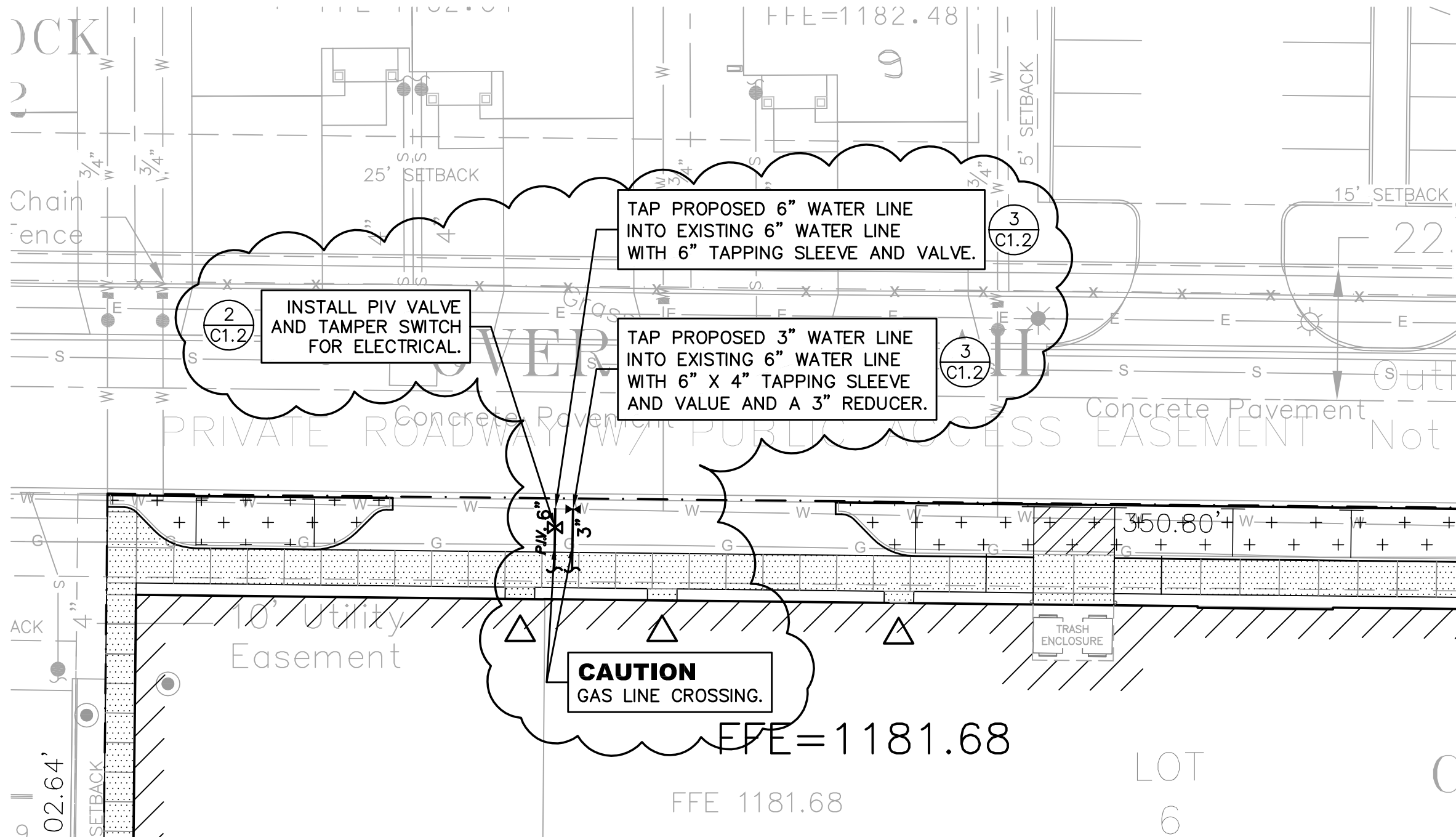
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REGA NO. 111152B

ISSUED FOR:	DATE:	BY:
ABANDON EXISTING WATERLINE	10/4/12	REGA

REF. SHT# C1.1





LAYOUT PLAN

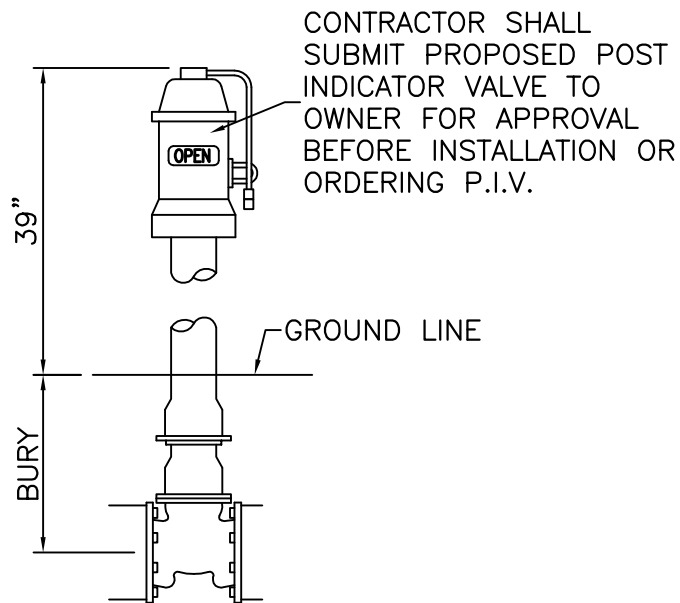
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REGA NO. 111152B

ISSUED FOR:	DATE:	BY:
ADDING 6" & 3" WATERLINES	10/4/12	REGA

REF. SHT# C1.2

REGA
ENGINEERING
GROUP, INC.



2
C1.2

POST INDICATOR VALVE DETAIL

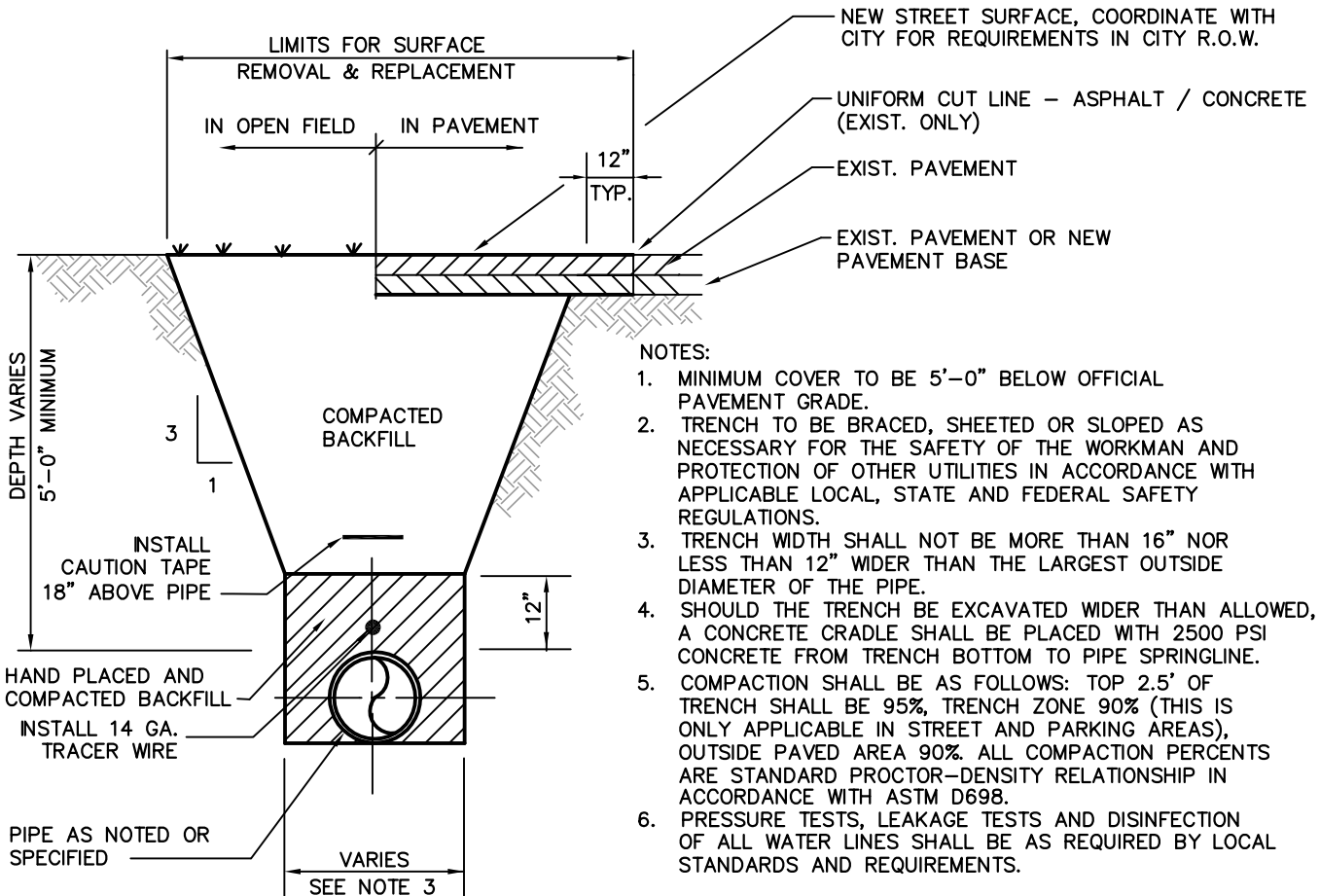
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REGA NO. 111152B

ISSUED FOR:	DATE:	BY:
POST INDICATOR VALVE DETAIL	10/4/12	REGA

REF. SHT# C1.2

REGA
ENGINEERING
GROUP, INC.



3
PIPE ENVELOPE-WATER

C1.2
NO SCALE

REGA NO. 111152B

ISSUED FOR:	DATE:	BY:
WATER PIPE ENVELOPE DETAIL	10/4/12	REGA

REF. SHT# C1.2



DATE ISSUED 10/8/12

ADDENDUM # 2

ENGINEER Engineering Technologies, Inc.
825 M Street, Suite 200
Lincoln, NE 68508

PROJECT City Impact

ETI PROJECT # 2012-010

The Architect issues this Addendum to all known bidders before receipt of proposals. Bidder shall acknowledge the receipt of this addendum on their proposal sheet and all information contained herein shall become a part of the contract documents.

ADDENDUM:

PRIOR APPROVAL – MECHANICAL

- 1. The following manufacturers have received prior approval for bidding purposes subject to shop drawing review:
A. List Equipment Here List Manufacturer Here
Volume Control Dampers United Enertech
VAV Boxes Metalaire
Diffusers, Registers, Grilles Metalaire
Diffusers, Registers, Grilles Tuttle & Bailey
Drainage Products Watts

PRIOR APPROVAL – ELECTRICAL

- 1. The following manufacturers have received prior approval for bidding purposes subject to shop drawing review:
A. List Equipment Here List Manufacturer Here
Light Fixture Type #1 Columbia
Light Fixture Type #2 Columbia
Light Fixture Type #3 Columbia
Light Fixture Type #4 Columbia
Light Fixture Type #5 Columbia
Light Fixture Type #6 Columbia
Light Fixture Type #7 Prescolite
Light Fixture Type #8 Dual Lite
Light Fixture Type #9 Dual Lite
Light Fixture Type #10 Columbia
Light Fixture Type #13 LiteControl
Light Fixture Type #14 Prescolite
Light Fixture Type #15 Prescolite
Light Fixture Type #16 Prescolite, Portfolio
Light Fixture Type #17 Columbia
Light Fixture Type #18 Prescolite
Light Fixture Type #19 LiteControl
Light Fixture Type #20 Columbia
Light Fixture Type #21 Columbia
Light Fixture Type #22 Kenall
Light Fixture Type #23 Columbia
Light Fixture Type #24 Columbia
Light Fixture Type #25 Atlantic Lighting
Light Fixture Type #26 Atlantic Lighting
Light Fixture Type #27 Prescolite, Atlantic Lighting
Light Fixture Type #28 Prescolite, Atlantic Lighting
Light Fixture Type #29 Columbia, Fail Safe
Light Fixture Type #30 Prescolite, Portfolio
Light Fixture Type #31 Industrial Lighting Products, Metalux
Light Fixture Type #32 Industrial Lighting Products, Metalux

Light Fixture Type #33
Light Fixture Type #34
Light Fixture Type #35
Light Fixture Type #36
Light Fixture Type #37
Light Fixture Type #38
Light Fixture Type #39
Light Fixture Type #40
Light Fixture Type #41
Light Fixture Type #42
Light Fixture Type #43
Light Fixture Type #44
Light Fixture Type #45
Light Fixture Type #46
Surge Protective Device

Legion
Prescolite, Atlantic Lighting
Prescolite, Atlantic Lighting
Hubbell, Mc Graw-Edison
Kenall
Portfolio
Prescolite, F C Lighting
Con-Tech Lighting
Con-Tech Lighting
Con-Tech Lighting
Con-Tech Lighting
Con-Tech Lighting
Dual Lite
Con-Tech Lighting, Halo
Siemens TPS

SPECIFICATIONS – ELECTRICAL

1. Section 28 3111 – Addressable Fire Alarm System
 - A. Protex Central –Hastings, NE is an acceptable Supplier and Installer.

DRAWINGS – ELECTRICAL

1. Sheet E2.1 First & Second Floor Levels Area 'B' - Lighting
 - A. In Corridor 150 there are two circuits labeled E-9. Change one to circuit to read E-24.
 - B. In Gym Storage 148.2 the circuit labeled G-1 should read C-1.
 - C. In exercise 149 the circuit labeled G-11 should read C-11.
 - D. In Gym 148 the circuits labeled G-4 and G-2 should read C-4 and C-2.
2. Sheet E3.0 First & Second Levels Area 'A' – Electrical
 - A. In Conference Room 102 the circuit labeled A-35 should read A-34.
 - B. In Electrical 112 the circuit for VAV-111 should read H1-25.
 - C. In Recording 130 the circuit labeled D-5 should read D-15.
 - D. Change fire alarm strobe on north wall behind receptionist desk to a speaker/strobe.
 - E. Add a smoke duct detector to RTU-1.
3. Sheet E3.1 First & Second Floor Levels Area 'B' – Electrical
 - A. In Classroom – LG 139 the circuit labeled B-20 should read B-22.
 - B. In Mechanical 144.1 the circuit for EWH should read H1-10.
 - C. In Corridor 150 the circuit labeled H1-14 for FT-2 should read H1-15.
 - D. In Vestibule 151 the circuit labeled H2-2 for EWH should read H1-2.
 - E. In Stair 148.1 the circuit labeled H2-6 for EWH should read H1-6.
 - F. On the Enlarged Kitchen 144-Electrical Plan the circuit labeled K-11 for the Fire Suppression Relay should read K-13 and the circuit labeled K-9 should read K-11.
 - G. On the Second Floor Level Area 'B'-Electrical the circuit labeled C-14 should read C-3.
 - H. Add smoke duct detectors to RTU-2 and RTU-3.
 - I. In Gym 148, change both fire alarm strobes on west wall of gym to be speaker/strobes.
 - J. In Multi-Purpose Room 144 add a j-box on west wall and on wall south of the stage change fire alarm device to a speaker/strobe, see sheet E3.1, attachment 1E.
 - K. On the Enlarged Kitchen 144-Electrical Plan add a speaker/strobe next to the east door entering the Multi-Purpose Room.
 - L. In Mechanical 144.1 the two sleeves through the west wall shall be 2" and mounted at the highest level of the mechanical room, see sheet E3.1, attachment 1E.
 - M. Add to general notes: C. For clarification, data/television conduit does not need to be homerun, but needs to be in conduit across exposed ceiling, see sheet E3.1, attachment 1E.
 - N. Add to sheet notes: 20. Provide surface mounted 70v speakers and Bogen amplifier classic series C20, see sheet E3.1, attachment 1E.
4. Sheet E4.0 Schedules & Details
 - A. Add electric wall heater to equipment connection schedules, see sheet E4.0, attachment 1E.
 - B. Delete VAV-137, 145, 151 from equipment connection schedule. They are not being used.
 - C. For clarification: the Typical Single Load Occupancy Detector Detail, low voltage wiring from the occupancy sensor to transformer relay shall be in conduit.
5. Sheet E5.0 Symbols, Schedules & Electrical Riser
 - A. Replace panel schedules "MDG", "A", "B", "C", "E", "F", "K", "H1", "H2", and "MDH" with new panel schedules, see sheet E5.0, attachments 1E,2E,3E,4E,5E,6E,7E,8E,9E,10E.

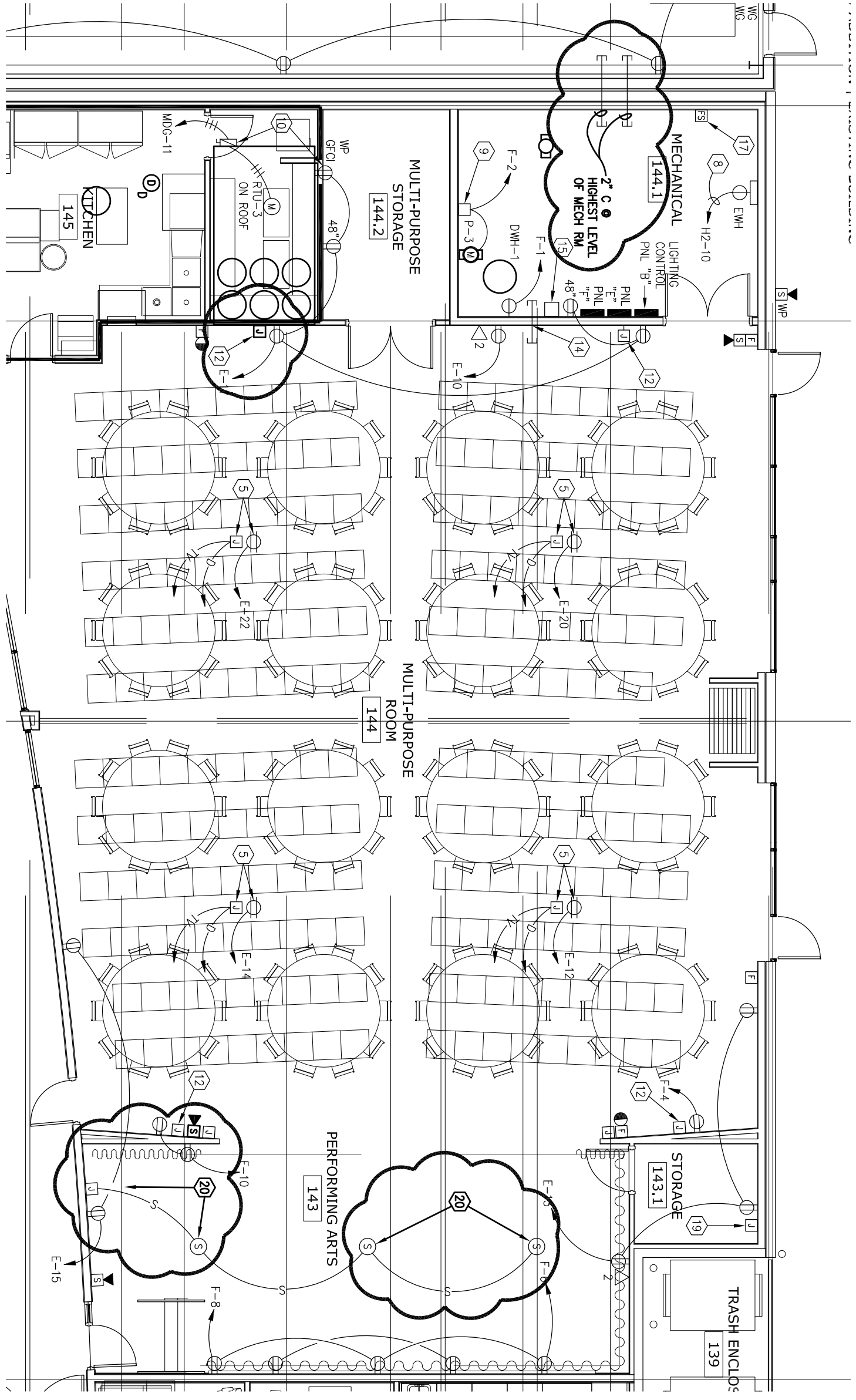
END OF ADDENDUM

GENERAL NOTES

- A. ALL RECEPTACLES SHALL BE TAMPER RESISTANT RECEPTACLES.
- B. ALL 120 VOLT KITCHEN RECEPTACLES SHALL BE GFCI.
- C. FOR CLARIFICATION, DATA/TELEVISION CONDUIT DOES NOT NEED TO BE HOMERUN, BUT NEEDS TO BE IN CONDUIT ACROSS EXPOSED CEILING.

SHEET NOTES

- 20. PROVIDE SURFACE MOUNTED 70V SPEAKERS AND BOGEN AMPLIFIER CLASSIC SERIES C20.



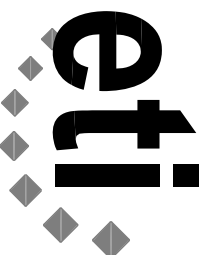
EQUIPMENT CONNECTION SCHEDULE

EQUIP.	DESCRIPTION	KW	HP	VOLTS	PHASE	WIRING	DISCONNECT SWITCH	MOTOR STARTER	CONNECTION	REMARKS
EMH	ELECTRIC WALL HEATER	4.0	-	208	1 ϕ	2-#10 #10 GND. 3/4" C	-	-	DIRECT	PROVIDE QMARK AMH4408 WITH AMH-SM

CITY IMPACT SCHEDULES & DETAILS

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

ADDENDUM #2



Engineering Technologies Inc.
 Mechanical & Electrical Building Solutions
 825 M Street, Suite 200 | Lincoln, NE 68508
 P 402.476.1273 | F 402.476.1274
 4559 South 133rd Street | Omaha, NE 68137
 P 402.330.2772 | F 402.330.2630
 ETI Project No: 2012-010

10/03/12
SHEET
E4.0
ATTACHMENT NO.
1E
TSK

DISTRIBUTION PANEL SCHEDULE

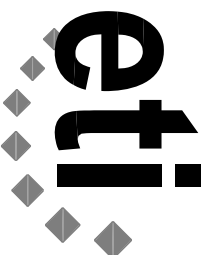
SWBD	"MDG"	VOLTAGE	PHASE	4 WIRE, SOLID NEUTRAL	65 KAIC RMS	1.200A MAIN BREAKER			
EST. MAX DEMAND	263 KVA	120 / 208V	3Ø			SERVES GENERAL SERVICE			
CKT. NO.	SERVES	LOAD (KVA)	BREAKER SIZE	POLE	CONDUCTORS	GND	CONDUIT	REMARKS	
1	TVSS	-	60	3	4	6	1	1"	
2	PANEL "A"	29.5	150	3	4	1/0 THWN	6	1	2"
3	PANEL "B"	34.2	175	3	4	2/0 THWN	6	1	2"
4	PANEL "C"	20.9	150	3	4	1/0 THWN	6	1	2"
5	PANEL "D"	18.8	150	3	4	1/0 THWN	6	1	2"
6	PANEL "E"	27.8	150	3	4	1/0 THWN	6	1	2"
7	PANEL "F"	8.7	150	3	4	1/0 THWN	6	1	2"
8	PANEL "K"	15.5	400	3	8	3/0 THWN	3	2	2 1/2"
9	RTU-1	61.2	250	3	-	-	-	-	NOTE 1
10	RTU-2	23.3	90	3	-	-	-	-	NOTE 1
11	RTU-3	23.3	90	3	-	-	-	-	NOTE 1
12	SPACE ONLY	-	200	3	-	-	-	-	-
13	SPACE ONLY	-	200	3	-	-	-	-	-
14	SPACE ONLY	-	200	3	-	-	-	-	-
15	SPACE ONLY	-	200	3	-	-	-	-	-

NOTES: 1. SEE EQUIPMENT CONNECTION SCHEDULE

CITY IMPACT SYMBOLS, SCHEDULES & ELECTRICAL RISER

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

ADDENDUM #2



Engineering Technologies Inc.
 Mechanical & Electrical Building Solutions
 825 M Street, Suite 200 | Lincoln, NE 68508
 P 402.476.1273 | F 402.476.1274
 4559 South 133rd Street | Omaha, NE 68137
 P 402.330.2772 | F 402.330.2630
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PANEL SCHEDULE

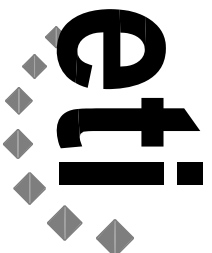
PANEL "A"		VOLTAGE 120 / 208V	PHASE 3Ø	4 WIRE, SOLID NEUTRAL	42 KAIC RMS	225 A	MAIN LUGS SURFACE MOUNTED				
LOAD DESCRIPTION	LOAD		BREAKER POLES	AMPS	NO.	PHASE	NO.	BREAKER		LOAD VA	LOAD DESCRIPTION
	VA	TYPE						AMPS	POLES		
LIGHTS	1,520	L	1	20	1	A	2	20	1	L	LIGHTS
LIGHTS	1,360	L	1	20	3	B	4	20	1	L	LIGHTS
LIGHTS	1,200	L	1	20	5	C	6	20	1	L	LIGHTS
RECEPTACLES	540	R	1	20	7	A	8	20	1	R	RECEPTACLES
RECEPTACLES	900	R	1	20	9	B	10	20	1	R	RECEPTACLES
RECEPTACLES	540	R	1	20	11	C	12	20	1	R	RECEPTACLES
RECEPTACLES	900	R	1	20	13	A	14	20	1	R	RECEPTACLES
RECEPTACLES	1,080	R	1	20	15	B	16	20	1	R	DISHWASHER
RECEPTACLES	180	R	1	20	17	C	18	20	1	R	REFRIGERATOR
RECEPTACLES	540	R	1	20	19	A	20	20	1	R	COPY MACHINE
RECEPTACLES	720	R	1	20	21	B	22	20	1	R	RECEPTACLES
RECEPTACLES	360	R	1	20	23	C	24	20	1	X	GARBAGE DISPOSAL
RECEPTACLES	720	R	1	20	25	A	26	20	1	R	RECEPTACLES
RECEPTACLES	540	R	1	20	27	B	28	20	1	R	RECEPTACLES
RECEPTACLES	720	R	1	20	29	C	30	20	1	R	RECEPTACLES
RECEPTACLES	720	R	1	20	31	A	32	20	1	R	RECEPTACLES
FIRE ALARM PANEL	500	X	1	20	33	B	34	20	1	R	REFRIGERATOR
CANOPY LIGHTS	1,000	L	1	20	35	C	36	20	1	S	SPARE
LIGHTS 2ND FLOOR	1,000	L	1	20	37	A	38	20	1	S	SPARE
LIGHTS 2ND FLOOR	1,000	L	1	20	39	B	40	20	1	S	SPARE
RECEPT ELECT #12	1,200	R	1	20	41	C	42	20	1	S	SPARE
LOAD INFORMATION											
		KVA	AMPS								
TOTAL CONNECTED LOAD		35	98								
EST. MAX DEMAND		30	82								

NOTES:
1. PROVIDE LOCK-ON DEVICE FOR CIRCUIT A-33.

CITY IMPACT SYMBOLS, SCHEDULES & ELECTRICAL RISER

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

ADDENDUM #2



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825 M Street, Suite 200 | Lincoln, NE 68508
P 402.476.1273 | F 402.476.1274
4559 South 133rd Street | Omaha, NE 68137
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PANEL SCHEDULE

LOAD DESCRIPTION	LOAD		BREAKER		NO.	PHASE	NO.	BREAKER		LOAD	LOAD DESCRIPTION	
	VA	TYPE	POLES	AMPS				AMPS	POLES			TYPE
LIGHTS	1,240	L	1	20	1	A	2	20	1	L	1,440	LIGHTS
LIGHTS	1,440	L	1	20	3	B	4	20	1	L	1,200	LIGHTS
LIGHTS	810	L	1	20	5	C	6	20	1	L	1,480	LIGHTS
LIGHTS	1,200	L	1	20	7	A	8	20	1	L	1,440	LIGHTS
LIGHTS	1,650	L	1	20	9	B	10	20	1	L	1,440	LIGHTS
LIGHTS	1,360	L	1	20	11	C	12	20	1	L	1,200	LIGHTS
RECEPTACLES	360	R	1	20	13	A	14	20	1	R	360	RECEPTACLES
RECEPTACLES	900	R	1	20	15	B	16	20	1	R	720	RECEPTACLES
RECEPTACLES	720	R	1	20	17	C	18	20	1	R	360	RECEPTACLES
PARKING LIGHTS	600	L	1	20	19	A	20	20	1	R	720	RECEPTACLES
PARKING LIGHTS	600	L	1	20	21	B	22	20	1	R	360	RECEPTACLES
SPARE	1,000	S	1	20	23	C	24	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	25	A	26	20	1	S	1,000	SPARE
LIGHTS	1,800	L	1	20	27	B	28	20	1	S	1,000	SPARE
RECEPTACLES	500	R	1	20	29	C	30	20	1	M	1,000	EF-1
RECEPTACLES	500	R	1	20	31	A	32	20	1	X	1,000	FUTURE SIGN
RECEPTACLES	500	R	1	20	33	B	34	20	1	X	1,000	FUTURE SIGN
RECEPTACLES	500	R	1	20	35	C	36	20	1	S	1,000	SPARE
RECEPTACLES	500	R	1	20	37	A	38	20	1	-	-	SPACE ONLY
RECEPTACLES	500	R	1	20	39	B	40	20	1	-	-	SPACE ONLY
RECEPTACLES	500	R	1	20	41	C	42	20	1	-	-	SPACE ONLY
NOTES: 1.												
TOTAL CONNECTED LOAD		KVA	AMPS									
		37	102									
EST. MAX DEMAND		34	95									

CITY IMPACT
SYMBOLS, SCHEDULES & ELECTRICAL RISER

SCALE: 1/8" = 1'-0"
 APPENDUM #2

Engineering Technologies Inc.
 Mechanical & Electrical Building Solutions

825 M Street, Suite 200 | Lincoln, NE 68508
 P 402.476.1273 | F 402.476.1274

4559 South 133rd Street | Omaha, NE 68137
 P 402.330.2772 | F 402.330.2630

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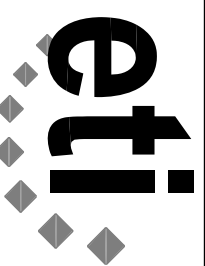
PANEL SCHEDULE

LOAD DESCRIPTION	LOAD		BREAKER POLES	AMPS	NO.	PHASE	NO.	BREAKER		LOAD		LOAD DESCRIPTION
	VA	TYPE						AMPS	POLES	TYPE	VA	
PANEL "C" VOLTAGE 120 / 208V PHASE 3Ø 4 WIRE, SOLID NEUTRAL 10 KAIC RMS 225 A MAIN LUGS SURFACE MOUNTED												
LIGHTS	1,680	L	1	20	1	A	2	20	1	L	1,920	LIGHTS
RECEPTACLES	1,080	R	1	20	3	B	4	20	1	L	1,920	LIGHTS
RECEPTACLES	1,080	R	1	20	5	C	6	20	1	R	540	RECEPTACLES
RECEPTACLES	720	R	1	20	7	A	8	20	1	R	360	RECEPTACLES
RECEPTACLES	720	R	1	20	9	B	10	20	1	R	360	RECEPTACLES
LIGHTS 149	960	L	1	20	11	C	12	20	1	X	1,000	BUILDING SIGN
LIGHTING CONT. PNL	500	X	1	20	13	A	14	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	15	B	16	20	1	L	1,200	EXT. LIGHTS
SPARE	1,000	S	1	20	17	C	18	20	1	L	1,200	EXT. LIGHTS
SPARE	1,000	S	1	20	19	A	20	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	21	B	22	20	1	S	1,000	SPARE
SPACE ONLY			1	20	23	C	24	20	1	S	1,000	SPARE
SPACE ONLY			1	20	25	A	26	20	1			SPACE ONLY
SPACE ONLY			1	20	27	B	28	20	1			SPACE ONLY
SPACE ONLY			1	20	29	C	30	20	1			SPACE ONLY
SPACE ONLY			1	20	31	A	32	20	1			SPACE ONLY
SPACE ONLY			1	20	33	B	34	20	1			SPACE ONLY
SPACE ONLY			1	20	35	C	36	20	1			SPACE ONLY
SPACE ONLY			1	20	37	A	38	20	1			SPACE ONLY
SPACE ONLY			1	20	39	B	40	20	1			SPACE ONLY
SPACE ONLY			1	20	41	C	42	20	1			SPACE ONLY
LOAD INFORMATION NOTES: 1.												
TOTAL CONNECTED LOAD		KVA		AMPS								
EST. MAX DEMAND		23		65								
		21		58								

CITY IMPACT SYMBOLS, SCHEDULES & ELECTRICAL RISER

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

ADDENDUM #2



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 Mechanical & Electrical Building Solutions
 825 M Street, Suite 200 | Lincoln, NE 68508
 P 402.476.1273 | F 402.476.1274
 4559 South 133rd Street | Omaha, NE 68137
 P 402.330.2772 | F 402.330.2630
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PANEL SCHEDULE

PANEL "E"	VOLTAGE		PHASE		10 KAIC RMS		225 A		MAIN LUGS	
	120 / 208V		3Ø		4 WIRE, SOLID NEUTRAL				SURFACE MOUNTED	
LOAD DESCRIPTION	LOAD	BREAKER	NO.	PHASE	NO.	BREAKER	LOAD	LOAD DESCRIPTION		
	VA	TYPE	POLES	AMPS		AMPS	POLES	TYPE	VA	
TRACK	1,360	L	1	20	1	20	1	L	900	LIGHTS
TRACK	1,800	L	1	20	3	20	1	L	1,125	LIGHTS
LIGHTS	1,800	L	1	20	5	20	1	L	900	LIGHTS
LIGHTS	750	L	1	20	7	20	1	L	900	LIGHTS
LIGHTS	1,440	L	1	20	9	20	1	R	180	RECEPTACLES
RECEPTACLES	720	R	1	20	11	20	1	R	180	RECEPTACLES
RECEPTACLES	540	R	1	20	13	20	1	R	180	RECEPTACLES
RECEPTACLES	360	R	1	20	15	20	1	R	360	RECEPTACLES
RECEPTACLES	540	R	1	20	17	20	1	R	540	RECEPTACLES
RECEPTS (NOTE 1)	1,000	R	1	20	19	20	1	R	200	RECEPTACLES
TRACK	1,000	L	1	20	21	20	1	R	200	RECEPTACLES
TRACK	1,000	L	1	20	23	20	1	L	1,840	LIGHTS
TRACK	1,000	L	1	20	25	20	1	S	1,000	SPARE
TRACK	1,000	L	1	20	27	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	29	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	31	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	33	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	35	20	1	S	1,000	SPARE
SPACE ONLY	-	-	1	20	37	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	39	20	1	-	-	SPACE ONLY
SPACE ONLY	-	-	1	20	41	20	1	-	-	SPACE ONLY

LOAD INFORMATION

TOTAL CONNECTED LOAD	KVA	AMPS
EST. MAX DEMAND	28	77

NOTES:

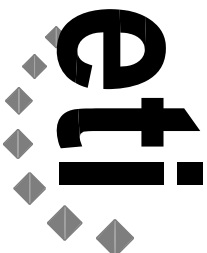
1. E-19, PROVIDE GFCI CIRCUIT BREAKER.

CITY IMPACT

SYMBOLS, SCHEDULES & ELECTRICAL RISER

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

ADDENDUM #2



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Mechanical & Electrical Building Solutions

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P 402.476.1273 | F 402.476.1274
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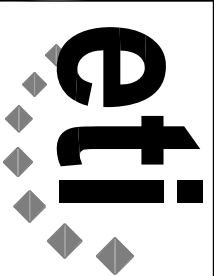
PANEL SCHEDULE

PANEL "F"		VOLTAGE		PHASE		10 KAIC RMS		225 A		MAIN LUGS		
		120 / 208V		3Ø		4 WIRE, SOLID NEUTRAL		SURFACE MOUNTED				
LOAD DESCRIPTION	LOAD		BREAKER	NO.	PHASE	NO.	BREAKER		LOAD	LOAD DESCRIPTION		
	VA	TYPE					AMPS	POLES			TYPE	VA
DWH-1	500	M	1	20	1	A	2	20	1	M	500	P-3
FF-2		M	1	20	3	B	4	20	1	R	180	RECEPTACLES
LIGHTING CONT. PNL	500	X	1	20	5	C	6	20	1	R	600	RECEPTACLES
SPARE	1,000	S	1	20	7	A	8	20	1	R	400	RECEPTACLES
SPARE	1,000	S	1	20	9	B	10	20	1	R	400	RECEPTACLES
SPARE	1,000	S	1	20	11	C	12	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	13	A	14	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	15	B	16	20	1	S	1,000	SPARE
SPACE ONLY			1	20	17	C	18	20	1	S	1,000	SPARE
SPACE ONLY			1	20	19	A	20	20	1			SPACE ONLY
SPACE ONLY			1	20	21	B	22	20	1			SPACE ONLY
SPACE ONLY			1	20	23	C	24	20	1			SPACE ONLY
SPACE ONLY			1	20	25	A	26	20	1			SPACE ONLY
SPACE ONLY			1	20	27	B	28	20	1			SPACE ONLY
SPACE ONLY			1	20	29	C	30	20	1			SPACE ONLY
SPACE ONLY			1	20	31	A	32	20	1			SPACE ONLY
SPACE ONLY			1	20	33	B	34	20	1			SPACE ONLY
SPACE ONLY			1	20	35	C	36	20	1			SPACE ONLY
SPACE ONLY			1	20	37	A	38	20	1			SPACE ONLY
SPACE ONLY			1	20	39	B	40	20	1			SPACE ONLY
SPACE ONLY			1	20	41	C	42	20	1			SPACE ONLY
LOAD INFORMATION												
		KVA	AMPS	NOTES:								
TOTAL CONNECTED LOAD		11	31	1.								
EST. MAX DEMAND		9	24									

CITY IMPACT SYMBOLS, SCHEDULES & ELECTRICAL RISER

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

ADDENDUM #2



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PANEL SCHEDULE

PANEL "K"		VOLTAGE 120 / 208V		PHASE 3Ø		4 WIRE, SOLID NEUTRAL		10 KAIC RMS		400 A		MAIN LUGS FLUSH MOUNTED	
LOAD DESCRIPTION	LOAD		BREAKER AMPS	NO.	PHASE	NO.	BREAKER		LOAD VA	LOAD DESCRIPTION			
	VA	TYPE					AMPS	POLES			TYPE		
RECEPTACLES	360	R	1	20	1	A	2	20	1	R	1,000	RECEPTACLES	
RECEPTACLES	1,000	R	1	20	3	B	4	20	1	R	1,000	RECEPTACLES	
RECEPTACLES	1,000	R	1	20	5	C	6	20	1	R	1,000	RECEPTACLES	
RECEPTACLES	1,000	R	1	20	7	A	8	20	1	R	1,000	RECEPTACLES	
RECEPTACLES	1,000	R	1	20	9	B	10	20	3	M	575	EF-4	
RECEPTACLES	1,000	R	1	20	11	C	12	20	1	M	575	EF-4	
RECEPTACLES	1,000	R	1	20	13	A	14	20	1	M	575	EF-3	
RECEPTACLES	1,000	R	1	20	15	B	16	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	17	C	18	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	19	A	20	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	21	B	22	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	23	C	24	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	25	A	26	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	27	B	28	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	29	C	30	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	31	A	32	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	33	B	34	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	35	C	36	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	37	A	38	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	39	B	40	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	41	C	42	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	25	A	26	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	27	B	28	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	29	C	30	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	31	A	32	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	33	B	34	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	35	C	36	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	37	A	38	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	39	B	40	20	1	S	1,000	SPARE	
RECEPTACLES	1,000	R	1	20	41	C	42	20	1	S	1,000	SPARE	

LOAD INFORMATION		
KVA	AMPS	
18	50	
TOTAL CONNECTED LOAD		
EST. MAX DEMAND		
15	43	

NOTES:
1.

CITY IMPACT

SYMBOLS, SCHEDULES & ELECTRICAL RISER

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

ADDENDUM #2

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PANEL SCHEDULE

PANEL "H1"		VOLTAGE		PHASE		42 KAIC RMS		225 A		MAIN LUGS		
		120 / 208V		3Ø		4 WIRE, SOLID NEUTRAL		SURFACE MOUNTED				
LOAD DESCRIPTION	LOAD		BREAKER	AMPS	NO.	PHASE	NO.	BREAKER		LOAD	LOAD DESCRIPTION	
	VA	TYPE						POLES	AMPS			POLES
FT-3 OFFICE 103	590	M	1	20	1	A	2	25	2	X	2,000	EWB VEST. 150
FT-2 ENTRY	1,170	M	1	20	3	B	4	-	-	X	2,000	-
FT-2 ENTRY	1,170	M	1	20	5	C	6	25	2	X	2,000	EWB STAIR NW
FT-1 COMMUNITY	1,460	M	1	20	7	A	8	-	-	X	2,000	-
FT-1 CORR. 150	1,460	M	1	20	9	B	10	25	2	X	2,000	EWB MECH 144.1
FT-1 CORR. 150	1,460	M	1	20	11	C	12	-	-	X	2,000	-
FT-2 CORR 150	1,170	M	1	20	13	A	14	35	3	M	3,333	VAV-141
FT-2 CORR 150	1,170	M	1	20	15	B	16	-	-	M	3,333	-
EWB STAIR 110	2,000	X	2	25	17	C	18	-	-	M	3,333	-
-	2,000	X	-	-	19	A	20	35	3	M	3,000	VAV-139
EWB MAIN VEST.	2,000	X	2	25	21	B	22	-	-	M	3,000	-
-	2,000	X	-	-	23	C	24	-	-	M	3,000	-
VAV-111	1,000	M	2	20	25	A	26	30	3	M	2,666	VAV-150
-	1,000	M	-	-	27	B	28	-	-	M	2,666	-
SPARE	1,000	S	1	20	29	C	30	-	-	M	2,666	-
SPARE	1,000	S	1	20	31	A	32	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	33	B	34	20	1	S	1,000	SPARE
SPARE	1,000	S	1	20	35	C	36	20	1	S	1,000	SPARE
SPACE ONLY	1,000	S	1	20	37	A	38	20	1	S	1,000	SPACE ONLY
SPACE ONLY			1	20	39	B	40	20	1			SPACE ONLY
SPACE ONLY			1	20	41	C	42	20	1			SPACE ONLY

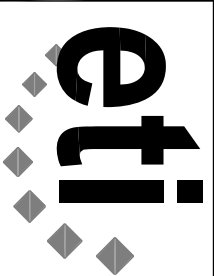
LOAD INFORMATION		
TOTAL CONNECTED LOAD	KVA	AMPS
EST. MAX DEMAND	67	185
	50	139

NOTES:
1.

CITY IMPACT
SYMBOLS, SCHEDULES & ELECTRICAL RISER

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

ADDENDUM #2



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TSK

PANEL SCHEDULE

PANEL "H2"		VOLTAGE 120 / 208V		PHASE 3Ø		4 WIRE, SOLID NEUTRAL		42 KAIC RMS		400 A		MAIN LUGS SURFACE MOUNTED	
LOAD DESCRIPTION	LOAD		BREAKER AMPS	NO.	PHASE	NO.	BREAKER		LOAD VA	LOAD DESCRIPTION			
	VA	TYPE					POLES	AMPS			POLES	TYPE	
FT-3 TEEN RM 202	590	M	1	20	1	A	2	20	2	M	2,250	VAV-202	
FT-3 TEEN RM 202	590	M	1	20	3	B	4	-	-	M	2,250	-	
FT-3 TEEN RM 202	590	M	1	20	5	C	6	30	3	M	2,833	VAV-201	
VAV-106	1,000	M	2	20	7	A	8	-	-	M	2,833	-	
-	1,000	M	-	-	9	B	10	-	-	M	2,833	-	
VAV-103	1,500	M	2	20	11	C	12	20	2	M	1,000	VAV-107	
-	1,500	M	-	-	13	A	14	-	-	M	1,000	-	
VAV-102	1,500	M	2	20	15	B	16	35	2	M	2,750	VAV-124	
-	1,500	M	-	-	17	C	18	-	-	M	2,750	-	
VAV-101	2,333	M	3	25	19	A	20	40	2	M	3,000	VAV-125	
-	2,333	M	-	-	21	B	22	-	-	M	3,000	-	
-	2,333	M	-	-	23	C	24	40	2	M	3,250	VAV-132	
VAV-120	3,333	M	3	35	25	A	26	-	-	M	3,250	-	
-	3,333	M	-	-	27	B	28	40	2	M	3,250	VAV-133	
-	3,333	M	-	-	29	C	30	-	-	M	3,250	-	
VAV-138	2,666	M	3	30	31	A	32	20	2	M	1,000	VAV-118	
-	2,666	M	-	-	33	B	34	-	-	M	1,000	-	
-	2,666	M	-	-	35	C	36	20	1	S	1,000	SPARE	
SPARE	1,000	S	1	20	37	A	38	20	1	S	1,000	SPARE	
SPARE	1,000	S	1	20	39	B	40	20	1	S	1,000	SPARE	
SPARE	1,000	S	1	20	41	C	42	20	1	S	1,000	SPARE	

LOAD INFORMATION

NOTES:

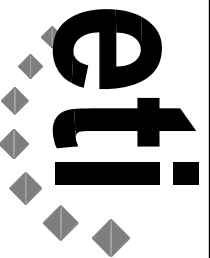
1.

TOTAL CONNECTED LOAD	KVA	AMPS
	83	231
EST. MAX DEMAND	62	173

CITY IMPACT SYMBOLS, SCHEDULES & ELECTRICAL RISER

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

ADDENDUM #2



Engineering Technologies Inc.
 Mechanical & Electrical Building Solutions
 825 M Street, Suite 200 | Lincoln, NE 68508
 P 402.476.1273 | F 402.476.1274
 4559 South 133rd Street | Omaha, NE 68137
 P 402.330.2772 | F 402.330.2630
 ETI Project No: 2012-010

10/03/12
 SHEET
E5.0
 ATTACHMENT NO.
9E
 TSK

