BIDDERS BULLETIN

PROJECT: New Auto Service & Car Wash Building
Modern Muffler Tire Pro
1402 South Jeffers
North Platte Nebraska

PROJECT #: 12-037

DATE ISSUED: April 23, 2012

BULLETIN NUMBER

BB-1

ISSUED BY:

Lee Davies

This bulletin is issued by the Architect to all known bidders before receipt of proposals, for the purpose of explaining, interpreting, or modifying the original plans and specifications. When enumerated by the bidder upon the proposal sheet, the information or instructions given hereon will be equally binding upon all parties as if included in the original plans and specifications.
BIDDER MUST ENTER THE NUMBER OF THIS BULLETIN ON HIS PROPOSAL SHEET

THE FOLLOWING ITEMS ARE APPLICABLE TO THE SPECIFICATIONS:

BB-1, ITEM #1: General Notations:

1. All carwash equipment shall be connected by electrical & mechanical contractor as noted within the car wash and vacuum equipment drawings. Any items not specifically called out to be done by electrical and mechanical, but required by permits shall be included. Coordinate.
2. All concrete noted within the carwash and vacuum equipment drawings shall be furnished and installed by the general contractor. Coordination between the carwash and vacuum equipment suppliers and installers shall be done prior to installation / layout of concrete. Coordinate.
3. All bidders shall review all sheets within contract documents and coordinate all aspects of the project with all disciplines.
4. Owner shall be purchasing and shall receive separate bids for the NuForm plastic cast in place form wall systems for the car wash building. This shall include the NuForm plastic wall system, reinforcing bars within the NuForm walls concrete within the walls and installation of the system. General contractor shall include coordination of the installation and all other aspects of the building. Electrical and mechanical contractor shall coordinate all penetrations and construction items within the walls and coordination of items. Skylight shall be lined with Reline system by NuForm supplied by owner installed by general contractor.
5. Owner shall be leveling the site for paving and building floor levels. The paving areas shall be graded to within 1/10 of a foot, paving contractor shall final prepare all grades as required to pour paving per construction documents. Building shall be graded to below concrete floor slab and aggregate material, general contractor shall include base material and concrete slab material per contract documents.
6. Owner shall provide on site port-a-potty and roll-off trash receptacle for construction for the duration of the project. No concrete and masonry in roll off.
7. Staging for the project shall be on the west end of the owner property to the west of the existing trees. Coordinate with owner representative for space to be used.
8. Contractor shall install temporary fence if so desired by contractor, temporary construction fence not required by owner.
9. SWPPP - Storm Water Pollution Prevention Plan shall be required by project and shall be provided out of contract by owner representative. All contractors shall maintain any portions installed throughout the duration of the project.
10. Builders Risk Insurance shall for this project shall be provided by the owner.
11. All oil lines not associated with the heating equipment, but for new oil delivery system to fill cars shall be by owner. Heating equipment used oil lines from tanks to equipment shall be by general contractor.
12. All air lines from for auto service building equipment and tools and main lines to car wash equipment noted as by general contractor shall be by owner.
13. General note that all slab base shall be 4" thick crushed concrete fines for all locations with not vapor barrier except at the entire car wash building, the basement of the service building. Unless High performance coatings alternate is accepted then a 15 mil poly shall be supplied under all crushed concrete fines taped and sealed at all locations of high performance coating being applied to the floor. Coordinate cost for poly vapor barrier with Alternate A4 items.

BB-1, Item #2: Proposal Form

See attached revised proposal Form at the end of the bid bulletin #1.

BB-1, Item #3: Alternates 01030

Note explanations of alternates:

A1: State the amount to be deleted from the base bid to shorten the building by 13'-0" removing 1 drive through bay at the location of the west overhead door to include the basement, oil pit openings and all associated items, and above grade building material. Building will be 143'-8" in lieu of 156'-8" overall and at service bays will be 99'-0" in lieu of 102'-0".

A2: State the amount to be added or deducted from the base bid to leave the mezzanine level unfinished from the top of the stair and up to include rooms A201, A202, A203 & A204. Contractor shall finish out exterior wall and common wall to the south and stub up all electrical and mechanical system to the space. Mechanical room around furnace, walls around stairs, and all mezzanine exterior walls shall be finished to a orange peel finish.

A3: State the amount to be added or deducted from the base bid to change the exterior CMU & EIFS wall for the open air tire storage and trash enclosure at the auto service building and install chain link fence with vinyl slats at the same locations and same heights. Contractor shall finished exterior of building similar to as detailed with CMU to height of chain link fence to protect building. Fence shall be installed per manufacturers standards.

A4: State the amount to be added or deducted from the base bid to change the interior from Sherwin Williams based Base Bid coatings to High Performance coatings listed as Alternative A4 in the specifications guide, break out the walls and floor finishes separately. Note to coordinate with concrete contractor to also include 10 mil poly vapor barrier throughout area of High Performance coatings. Base bid finishes shall be installed as noted with Sherwin Williams products throughout building. Under A4 building finishes shall be installed as per High Performance coating schedule noted at the end of Painting 09900 and in the High Performance Coatings 09960.

BB-1, Item #4: Portland Cement Concrete Paving 02515

1. Concrete contractor shall provide as a line item cost unit cost per square foot for house keeping pads 3" thick & chamfered edges at locations other then called out by mechanical / electrical engineer for owners selections of equipment that shall receive housekeeping pads other then those already shown on plans and specifications.
2. Concrete finishing shall be as follows: On all drives and parking area provide a burlap finish by dragging a damp burlap across the concrete perpendicular to line of traffic. On all pedestrian walks and approach aprons at buildings provide broom finish by drawing a fine-hair broom across concrete surface perpendicular to line of traffic. Coordinate with construction manager the finish texture on first pour and match all other finishes on concrete.

BB-1, Item #5: Unit Masonry Work 04200

Remove all notations of matching brick to existing brick. All new brick shall be selected from the manufacturers standard noted within the specifications.

BB-1, Item #6: Metal Roofing

Note: panel with shall be 18" between ribs in lieu of 16" as noted in the specifications.

BB-1, Item #7: Sectional Overhead Doors 08360

10'-0"x12'-0" overhead sectional doors at service building:

Provide equal to Raynor ThermaSeal Optima. Door - 3 layer sandwich, steel, stucco exterior & interior, ship lap joint, 1-3/4" section thickness, steel 20 gauge exterior, 26 gauge interior, 16 gauge styles, 16.4 minimum R-value, Thermal break bottom seal, header seal, white, rectangular insulated full panel glass. Track - Lift system to provide maximum clearance of 12'-0" high doors to 14'-0" clearance on bottom of joists, galvanized finish, 3" - 12 gauge tracks & high cycle counter balance system for 50,000 cycle life, PowerHoist Optima jackshaft operator with 3 button open, close & stop system and carbon monoxide vent.

10-0"x10'-0" sectional overhead rapid coiling doors:

Provide equal to Wynd Star Doors - Model MT vinyl roll-up car wash door. Vinyl roll-up door with frame of composite fiberglass. Break-away design, all electrical UL rated, soft bottom edge, travel speed factory set to open and

close at 20 inches per second, .60 HP electrical direct drive gearbox, safety dual thru-beam photo eyes monitor door opening, color by owner from standard, pushbutton station, top & side seals, conveyor guide cut outs as required by car wash manufacturer.

BB-1, Item #8: Gypsum Drywall 09250

1. All texture finishes on gypsum drywall shall be light orange peel texture.
2. Remove all references to base for acoustical tile adhesively applied to gypsum.
3. Provide expansion joints at all window & door head corners typical to ceiling gypsum continuous above lay-in tile grid ceilings.

BB-1, Item #9: Acoustical Ceilings 09510

1. Product / Manufacturer shall be: Certianteed Cashmere Style Edge Performance Series CMTS-412 - 24x24x3/4 Tier Reveal Edge with 9/16 grid system, NRC .60, CAC 35. 24x24 tile size with single cross score each way creating a 12x12 tile look. Note small 9/16" grid system shall be used.
2. Remove all items associated to surface mounted acoustical tiles for ceilings. All tiles for this project are installed within a lay-in grid system.

BB-1, Item #10: Portable Fire Extinguishers 10520

1. Provide 1 semi recessed J.L. Industries, Ambassador 1017W10 with 3" return trim rolled edge baked white finish. Provide near behind the counter on the west wall of Service Counter A107 with exact location selected by owner. Coordinate.
2. Owner shall provide all other fire extinguishers to be hook mounted and installed by owner at location per fire marshal.

THE FOLLOWING ITEMS ARE APPLICABLE TO THE DRAWINGS:

BB-1, ITEM #1: Drawing Sheet C110

Plan Notes: #6. Note owner shall provide boulders to site and contractor shall place boulders near locations shown on drawings per owners exact locations during installation of final landscaping. Coordinate with owner.

BB-1, ITEM #2: Drawing Sheet A101

Room Finish Schedule:

1. PCONC shall be polished concrete per specifications section 03360 Special Concrete Floor Finish.
2. Ceiling A100 & A101 shall receive ACT - lay in acoustical tile as shown on reflected ceiling plan A103.
3. Ceiling A121 shall be noted as STL to be painted exposed steel bar joists.
4. Ceiling A302, A303 & A304 shall be noted as ACT - lay in acoustical tile as shown on reflected ceiling plan A105.

Door & Frame Schedule:

1. Door Frame A101 & A110 shall be HM-3 with side light in lieu of HM-2 as noted.
2. Door 111 shall be single door per elevations in lieu of pair as noted on schedule.
3. Door 109OH shall have a width of 10'-0" x 12'-0" in lieu of 12'-0"x12'-0" as shown on schedule.
4. Door 119 & 120 shall have a door rating of 90 minutes in lieu of what is shown.

Floor Plan:

1. Window locations as noted shall be Waiting A101 = W4, A100 east & south = W4 & east wall middle short window W3, Display A108 = W5, Office 202 east = W5 and south interior = W2, Storage A204 = W2, Waiting A111 = W1, Car Wash building Office A302 West interior and East north exterior = W6 and east south one = W7 Slider drive thru.
2. At basement stair provide a 10'-6" opening at floor from edge of beam to edge of beam or 11'-0" from center of beam to center of beam in lieu of 10'-1" as shown on floor plan.

BB-1, ITEM #3: Drawing Sheet A102

Door & Window Schedule:

1. OH-1 and OH-2 shall be noted as doors above in BB-, Item #6 Sectional Overhead doors In lieu of shown on plan.
2. All doors and door frames as required shall be tempered safety glass.
3. All bottom windows in W2, W3, W4 & W5 shall be tempered safety glass.
4. At window W5 in the 3rd from the bottom frame section shall be spandrel glass to cover mezzanine framing. See Section.

BB-1, ITEM #4: Drawing Sheet A103

1. See attached sheet A103.1 for location of rated walls. Contractors shall take care to provide fire rated protection as noted for these wall continuous from floor to deck, provide all requirements for rating wall and all penetrations per codes.
2. Note ceiling tile change to Certainteed Cashmere as noted in BB1, Item #8.

BB-1, ITEM #5: Drawing Sheet A104

1. Detail D9/A104 shall have base insulation layer of 2" polyiso insulation fully adhered to deck per manufacturers recommendations in lieu of 1-1/2" polyiso insulation mechanically fastened to deck.

BB-1, ITEM #6: Drawing Sheet A105

1. Detail D1/A105: All reference noted as FRP board shall be noted as NuForm Renu panel system & trim that shall be supplied by owner and installed by contractor over framing. Contractor shall install per manufacturers recommendations.

BB-1, Item #7: Drawing Sheet A201

Note that the center right elevations noted on sheet as East Elevation shall be actually be West Elevation.

BB-1, Item #8: Drawing Sheet A301

1. Item floor slap shall have thickness of concrete as noted in structural with fiber mesh over 4" thick crushed concrete base with no vapor barrier.
2. Provide 42" high railing at mezzanine with 1-1/2" pipe posts laid out as shown & 2 rail system with 4" high 1/4" base plate at floor level. Connect end of railing at wall and to framing below with posts laid out as dimensioned on section.

BB-1, Item #9: Drawing Sheet A302

1. Note concrete slabs on grades shall be as noted on structural for thickness with fiber mesh on 4" thick crushed concrete base on no vapor barrier. The basement slab shall receive 10 mil poly vapor barrier below the 4" crushed concrete base.

BB-1, Item #10: Drawing Sheet A401

1. Note concrete slabs on grades shall be as noted on structural for thickness with fiber mesh on 4" thick crushed concrete base on no vapor barrier. The basement slab shall receive 10 mil poly vapor barrier below the 4" crushed concrete base.

BB-1, Item #11: Drawing Sheet A402

1. Note concrete slabs on grades shall be as noted on structural for thickness with fiber mesh on 4" thick crushed concrete base on no vapor barrier. The basement slab shall receive 10 mil poly vapor barrier below the 4" crushed concrete base.

BB-1, Item #12: Drawing Sheet A403

1. Note concrete slabs on grades shall be as noted on structural for thickness with fiber mesh on 4" thick crushed concrete base on no vapor barrier. The basement slab shall receive 10 mil poly vapor barrier below the 4" crushed concrete base.
2. At center horizontal mullion provide a 4x2x1/4" tube steel support for window horizontal loading. Connect with masonry with 1/4" steel plate at ends with (2) 1/2" dia. X 6" headed studs embedded into masonry wall. Aluminum framing installer shall provide a flat continuous plate connection to top of tube steel to top of window framing. See Detail attached.
3. Note at all locations that wood structural members are used for roof framing 5/8" type x gypsum shall be installed taped and mudded at concealed areas above lay-in ceiling tile & grid and orange peel finish at all exposed areas. See Reflected ceiling plans.

BB-1, Item #13: Drawing Sheet A601

1. Detail E4/A601 note for location of RFP panel on wall shall include RFP panel on back wall and side walls to door frames in lieu of noted to dow.

BB-1, Item #14: Drawing Sheet A602

1. See attached details for Oil Pit Opening, Oil Pit Catwalk, Basement Stairs & 2nd Exit Detail on attached sheets A602.1, A602.2 & A602.3.

2. Provide ladder attached to wall out of basement at the exit location in the northwest corner similar to the ladder noted on sheet A301 for access to the mechanical mezzanine level. Provide ladder from basement floor level to 4'-0" above finish floor level. Provide 36" high 2 - pipe 1-1/2" pipe railing with 4" high by 1/4" base plate at floor railing on the south & east sides of opening and a chain guard on the north side of opening. Provide posts at corners & wall typical. Weld to floor framing, coordinate.

BB-1, Item #15: Drawing Sheet S101A

1. Contractor shall provide another opening at northwest corner sized at 32"x32" clear for exit access framed similar to mechanical opening in slab with C6x13 channels. See architectural for ladder rungs and railing noted above.

BB-1, Item #16: Drawing Sheet S101B

1. Vertical bars noted on the east, west & center walls shall be noted at #5's at 26"o.c. vertical in lieu of 20" as noted on plan.

THE FOLLOWING ITEMS ARE APPLICABLE TO THE MECHANICAL & ELECTRICAL:

Item #1: Oil Water Separator – See detail on attached drawing for Oil Water Separators at Service Station Building and Car Wash Building. See Sheet P200 for location at Car Wash and see Civil Utility Plan for location at Service Station Building. Coordinate with General Contractor. Refer to plumbing drawings for inlet and outlet pipe sizes.

Item #2: P200 Reclaim Tanks – Reclaim tanks shall be precast tanks, minimum 1500 gallon capacity per tank, approximately 68”W x 126”L x 72”H with two equal compartments separated in the middle. Use 6” pipe as interconnect piping between compartments and between tanks. Overflow pipe from final tank to oil water separator is to be provided with backflow prevention. Provide traffic rated manholes for access to each compartment. Tanks shall be provided with adequate structural strength to accommodate vehicular traffic. Refer to Purwater Recovery System installation drawings for pipe elevations and additional information. Install in accordance with the Purwater Recovery System recommendations and requirements, and with local codes.

Item #3: Slab Heating System Piping Schematic – Service Station, Sheet M100 – See attached revised drawing.

Item #4: Slab Heating System Piping Schematic – Car Wash, Sheet M200 – See attached revised drawing.

Item #5: Hydronic Equipment Schedule, Sheet M200 – See attached revised schedule.

Item #6: Housekeeping pads – provide 4” concrete housekeeping pads for boilers and indirect water heaters at both the Service Station Building and at the Car Wash Building.

Item #7: Boiler Controls – Boiler system shall be furnished with internal safeties and controls per the manufacturer’s requirements, including but not limited to the following; adjustable operating aquastat, adjustable high limit aquastat, adjustable safety relief valve, low water cutoff, flame sensors, temperature/altitude gauge, ail transfer pump, high range oil and air gauges, hour meter to record burn time. Boiler controls shall be capable of interlocking with combustion air dampers as called out on the drawings.

Sequence of Operation: Provide controls and components as necessary for the following sequence of operation: Boiler shall be enabled upon a call for heating from any zone on the heating system, or whenever the Car Wash Equipment hot water supply temperature drops below 140°F (adj.) during car wash operation. Pump BP-1 (BP-2) shall start whenever there is a call for heating. A temperature sensor shall modulate the zone valve to maintain minimum 140°F return water to the boiler. BP-3 shall start whenever the Car Wash Equipment hot water supply temperature drops below 140°F (adj.) during car wash operation.

Item #8: Slab Heating System Controls - Provide controls and components as necessary for the following sequence of operation:

Snowmelt Zones: On a drop in slab temperature below the Warm Weather cutoff set point the heating source and system pumps shall be activated. The control will then cycle the heat source and modulate the motorized control valve to maintain the slab temperature at the idle set point temperature. Upon detection of precipitation, the control will initiate the Melt Cycle. During this mode the control will regulate the heat source and modulate the motorized valve to maintain the slab temperature at the Warm Weather Cutoff set point. It shall remain in this mode until no moisture is present or the minimum runtime has elapsed, whichever is longer.

Radiant Floor Zones: On a call for heating at the zone thermostat, the zone circulation pump shall run. The control will then cycle the heat source and modulate the motorized control valve to maintain 110°F (adj.) supply temperature. When the zone temperature set point is reached the zone circulation pump shall turn off.

Item #9: Equivalent Manufacturers – The following manufacturers shall be acceptable for the equipment indicated:
Zurn – Faucets, mop sinks, floor drains, trench drains
Nailor Industries – Grilles, registers & diffusers
Acme – Exhaust fans
Panasonic – Ductless split system
Kees – Gas-fired make-up air unit
Armstrong Monitoring – Gas detection system

Item #10: E101 – Receptacles for the following equipment shall be twist-lock type and cord mounted to junction box above with wire mesh grip strain relief: Bender, Plasma Cutter, Welder, Chop Saw, Tire Changers, and Balancer. Coordinate exact requirements with owner.

Item #11: E101 – Provide power to vacuum system located on the north side exterior on the west end of Service Station, See Architectural drawing for approximate location, field coordinate exact location. Provide a 175 amp, 3-pole breaker in Panel MDP. Circuit shall be 3 #1/0 AWG and #6 ground in 2" conduit. Provide a 200 amp, 3-pole, NEMA 3R disconnect on the exterior near the vacuum. Provide connections to vacuum and VFD panel (verify location with owner). Provide ¾" PVC conduit with 2-#16 shielded wire for vacuum controls from VFD to vacuum. Coordinate exact requirements with owner and vacuum equipment supplier.

Item #12: E201 – Boiler pump BP-3, as added in this addendum, is to be circuited with BP-2.

Item #13: E201 – Traffic Management System: Provide conduits and control wiring for traffic management system furnished by Integrated Services Inc. (ISI) as called out on Traffic Management drawings included in this addendum. Coordinate exact requirements with owner and supplier.

Item #14: E201 – Provide 208VAC circuits and low-voltage controls to traffic gates at north exit drive and south entry drive. Refer to Architectural and Civil plans for exact locations. For each gate, provide a separate 208 volt, 20 amp circuit from a 20A/2P breaker in Panel LP. Provide a separate 1" conduit to each gate with 6 low-voltage wires back to point of sales area at Office A103. Verify exact installation requirements with owner and supplier.

Item #15: E201 – Provide a heavy-duty rated disconnect for vacuum, 600V, 100 amp, 3-pole, NEMA 3R enclosure. Mount on exterior wall near vacuum. Install conduit for future vacuum to accommodate a similar future disconnect switch.

Item #16: Exterior signs – Install Panel D at location of existing sign posts on east side of Service Building property and provide connections to signs as required. Coordinate installation of panel with Owner and General Contractor. Provide power to new monument sign at northeast drive from Panel D (circuit #9 on schedule). Verify exact requirements for signs with Owner and sign supplier. Provide a spare 1" conduit for future sign in the west island at the Service Station south entry drive. Route conduit back to Panel A.

Item #17: Temporary Power – Contractor is responsible to provide temporary power to the site during construction per specifications.

End of BB-1 notations. See attached drawings related to BB-1.

Modern Tire Pro Auto Center
Super Suds Car Wash
North Platte Nebraska

BID PROPOSAL FORM

To: Modern Tire Pro & Auto Center
Super Suds Car Wash
North Platte Nebraska

Bid Date & Time:
April 26, 2012
4:00 PM Central Time

The undersigned, having carefully examined the Contract Documents, as prepared by the Architect, LeeDavies Architecture, as well as the premises and conditions affecting the work, proposes to furnish all materials and labor, machinery, tools and services necessary to perform the work as set forth in and in accordance with said documents for the lump sum amount listed.

The following specifications sections shall be bid by _____(company name) as listed below:

The following Bidders Bulletins (Addendums) have been acknowledged as received and part of this bid:

Number ____ Dated: _____.
Number ____ Dated: _____.
Number ____ Dated: _____.

The owners completion time for this project is October 1, 2012, the contractor bidding shall be completed by the

_____ month, _____ day 2012 or _____ calendar days from the Notice to Proceed with the project.

The Bid Proposal Form is to be placed in a sealed envelope marked "Bid Proposal – Modern Tire Pro Auto Center & Super Suds Car Wash, North Platte, Nebraska and is to be delivered to the Nebraskaland Bank Board room 2nd floor, 121 North Dewey Street, North Platte, Nebraska no later than 4**:00 PM Central Time on April 26, 2012.** Proposals will be received only and will be opened privately.

Respectfully Submitted,

Corporation Seal

Signature: _____
Signature Date

Representative: _____
Name Typed or Printed

Company Name: _____

Address: _____

City, State Zip: _____

Modern Tire Pro Auto Center
Super Suds Car Wash
North Platte Nebraska

Bid Sections and Amounts:

Specification Section	Descriptions	Total
1. _____	_____	$_____
2. _____	_____	$_____
3. _____	_____	$_____
4. _____	_____	$_____
5. _____	_____	$_____
6. _____	_____	$_____
7. _____	_____	$_____
8. _____	_____	$_____
9. _____	_____	$_____
10. _____	_____	$_____
11. _____	_____	$_____
12. _____	_____	$_____
13. _____	_____	$_____
14. _____	_____	$_____
15. _____	_____	$_____
	Total Contractors Bid	$_____

Note: Contractors shall attach additional information regarding there bids on company letterhead attached to this form.

Alternates:

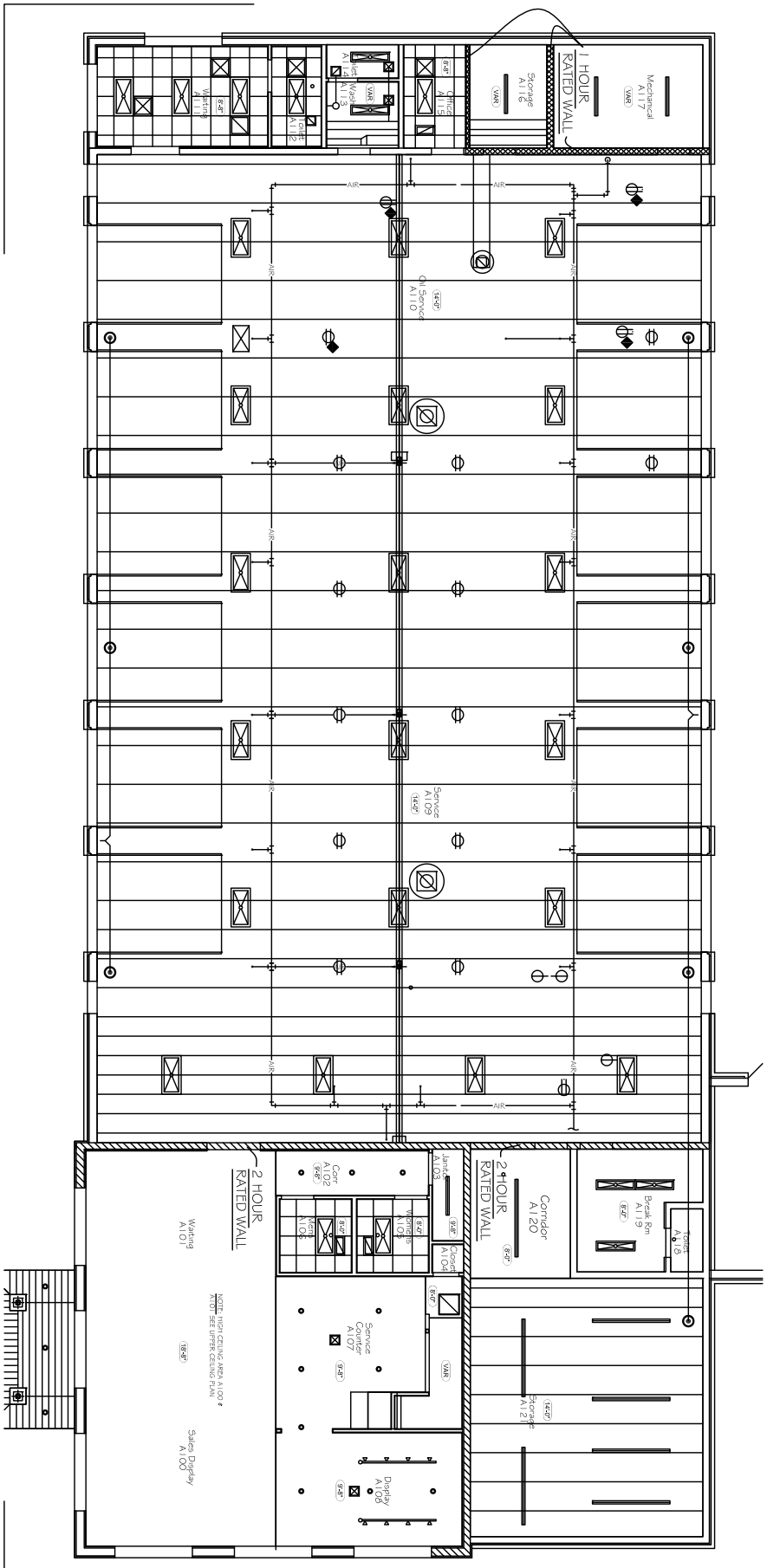
Alternate A1: Reduce the size of the building.	Add / Deduct	$_____
Alternate A2: Leave mezzanine as unfinished space.	Add / Deduct	$_____
Alternate A3: Remove CMU wall enclosure install chain link fence	Add / Deduct	$_____
Alternate A4: Install High Performance coatings in lieu of Base Bid coatings	Add / Deduct	$_____

Additional noted items:

_____

_____

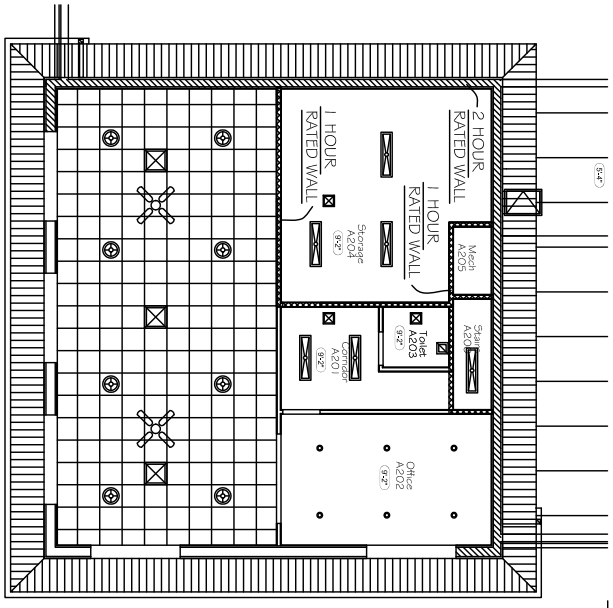
_____



Rated Assembly Key

2 HOUR RATED WALL ASSEMBLY

2 HOUR RATED WALL ASSEMBLY



LEEDAVIES ARCHITECTURE
1212 BURLINGTON BLVD
NORTH PLATTE - NEBRASKA - 69101
PHONE: 308.530.9138

Title

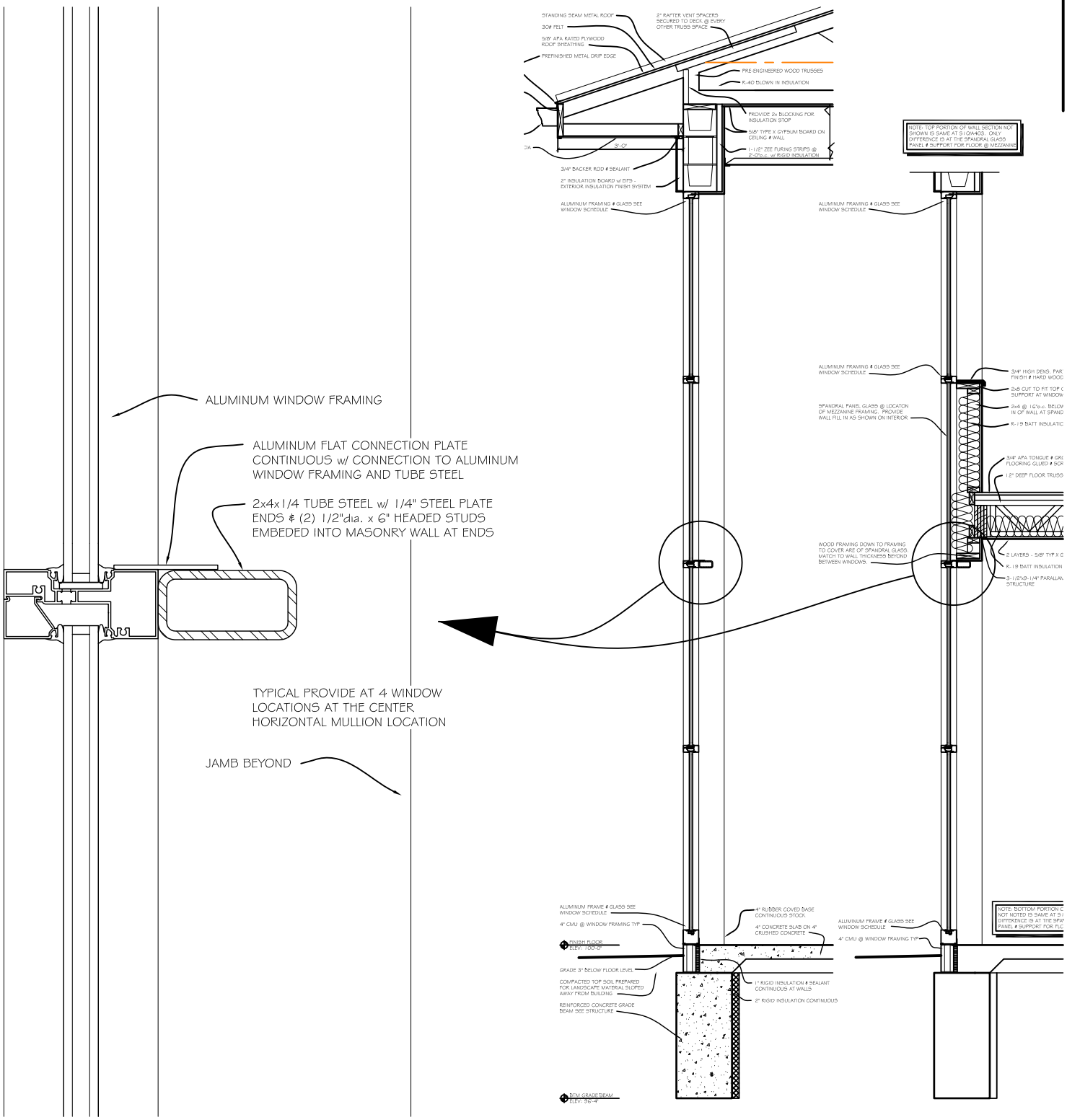
Fire Rated Wall Plan

Project

Modern Tire Pro Auto Center
& Super Suds Car Wash

Date: April 23, 2012

Drawing: A103.1



LEEDAVIES ARCHITECTURE
1212 BURLINGTON BLVD
NORTH PLATTE - NEBRASKA - 69101
PHONE: 308.530.9138

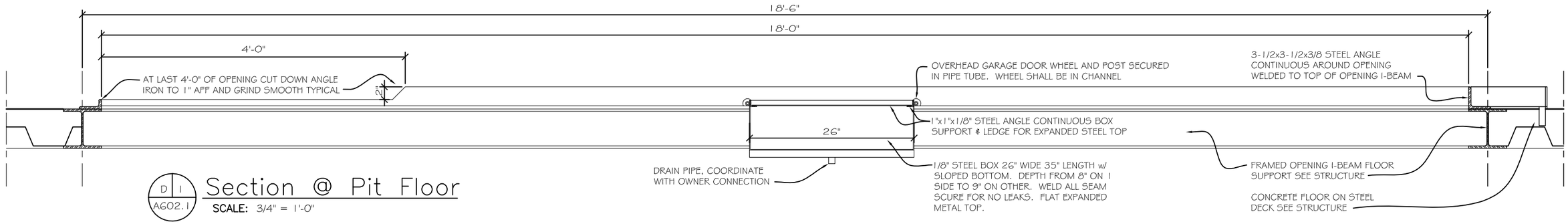
Title

Window Wind Load Support Beam

Project

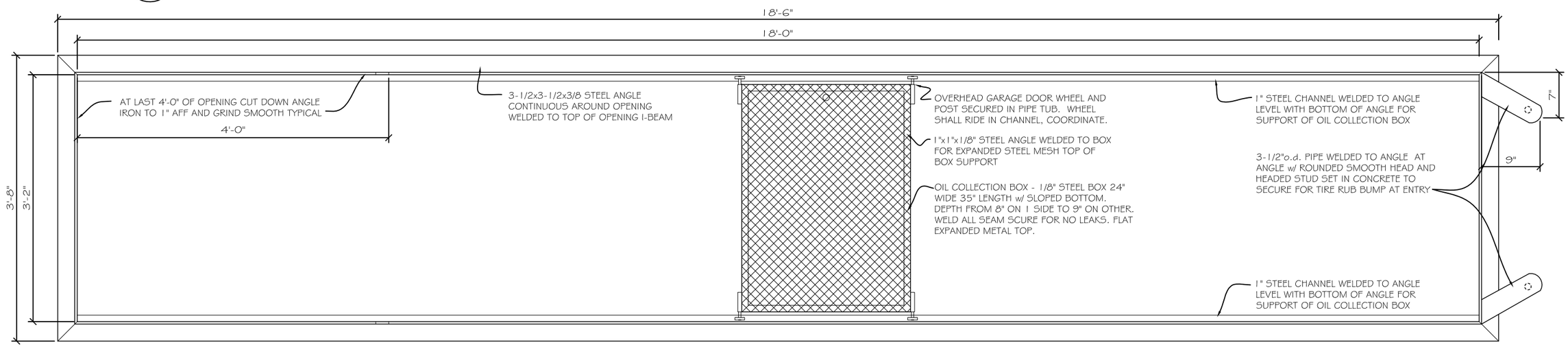
Modern Tire Pro Auto Center
& Super Suds Car Wash

Date: April 23, 2012
Drawing: A403.1



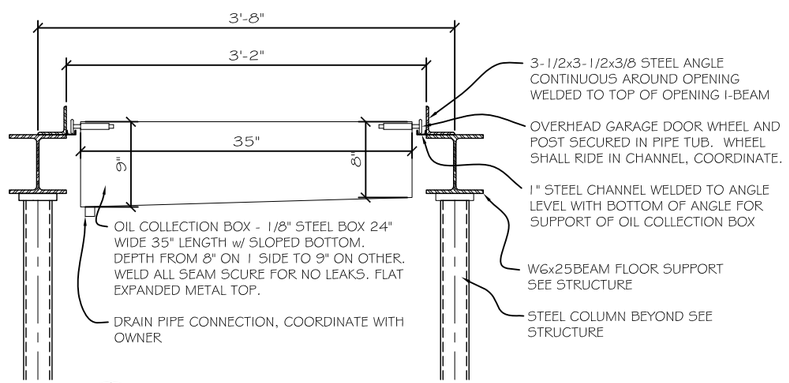
D 1 / A602.1 **Section @ Pit Floor**

SCALE: 3/4" = 1'-0"



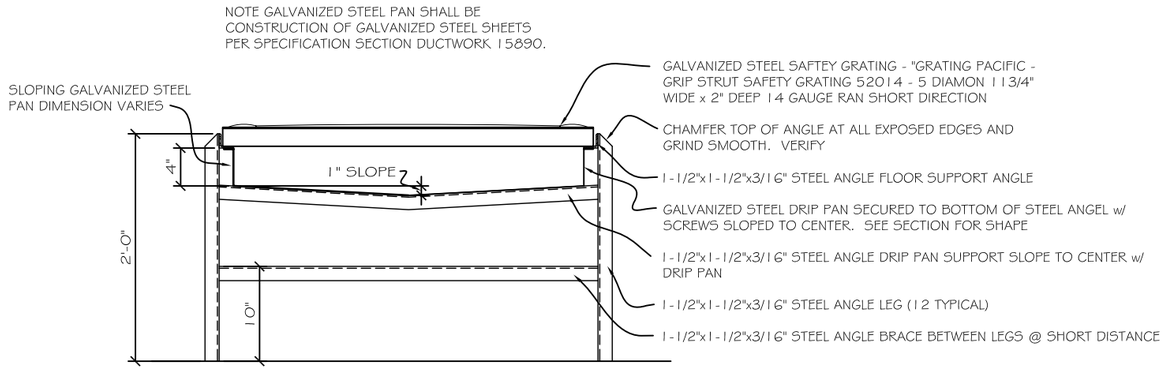
D 2 / A602.1 **Plan View @ Pit Floor**

SCALE: 3/4" = 1'-0"



D 3 / A602.1 **Secdtion @ Pit Floor**

SCALE: 3/4" = 1'-0"



D 4 / A602.1 **Short Section Oil Pit Catwalk**

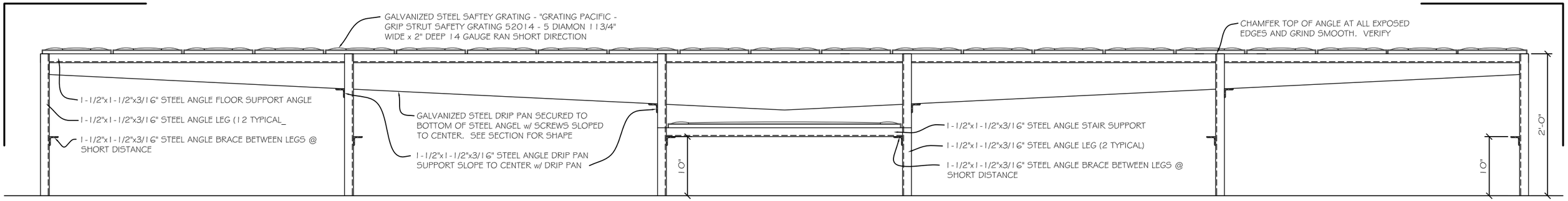
SCALE: 3/4" = 1'-0"

LEE DAVIES ARCHITECTURE
1212 BURLINGTON BLVD
NORTH PLATTE - NEBRASKA - 69101
PHONE: 308.530.9138

TITLE
Oil Pit Opening Details

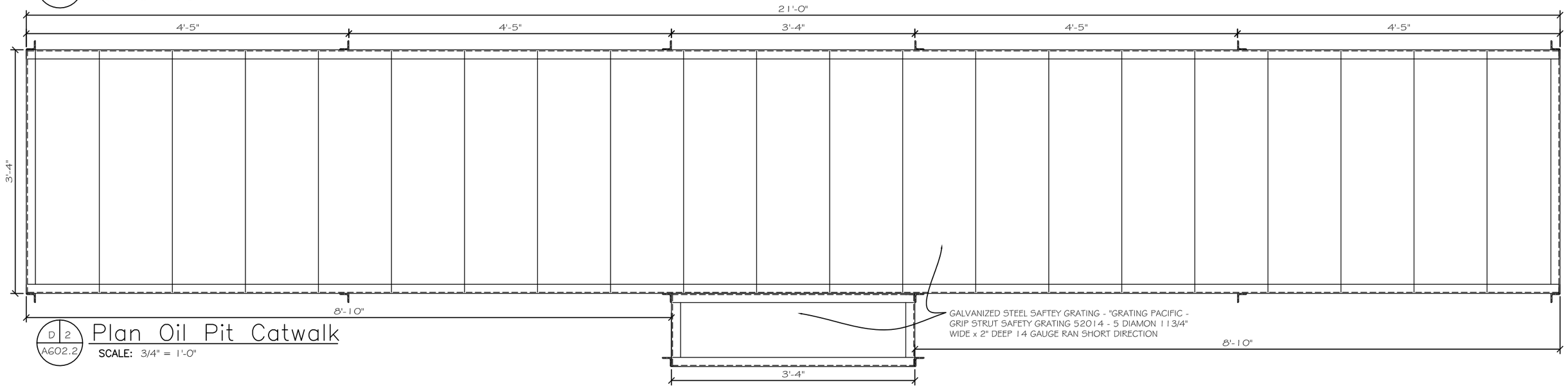
PROJECT
Modern Tire Pro Auto Center
& Super Suds Care Wash
North Platte Nebraska

DATE: April 23, 2012
DRAWING: A602.1



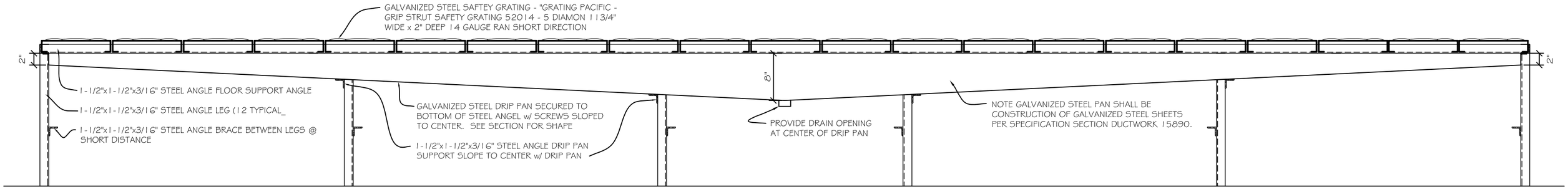
D/A602.2 Elevation Oil Pit Catwalk

SCALE: 3/4" = 1'-0"



D/A602.2 Plan Oil Pit Catwalk

SCALE: 3/4" = 1'-0"



D/A602.2 Long Section Oil Pit Catwalk

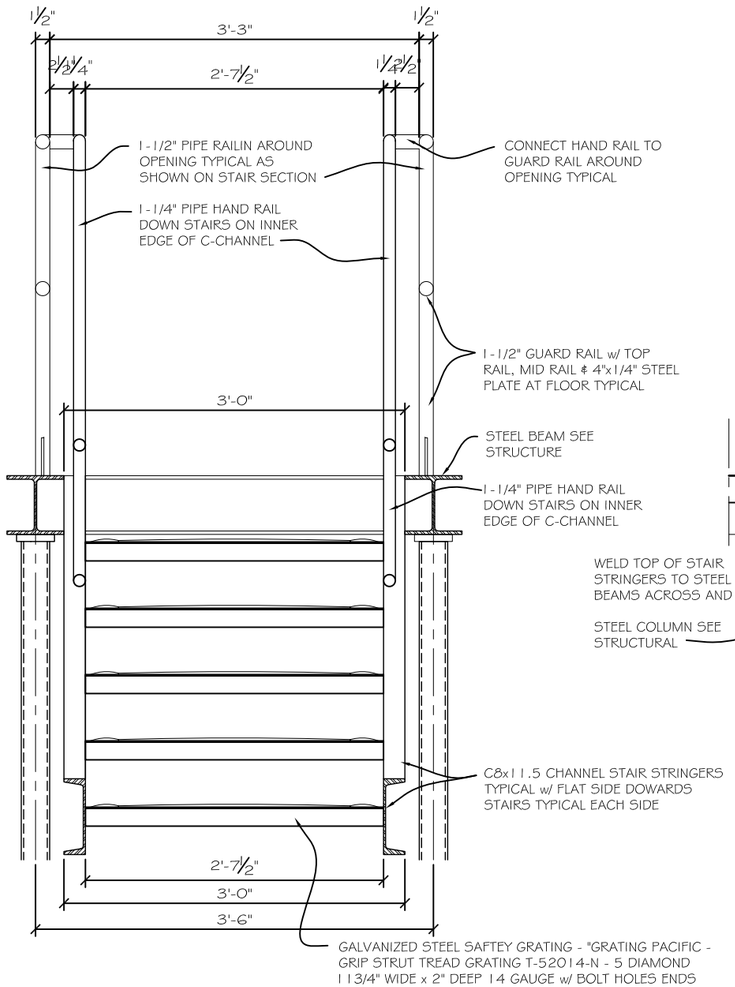
SCALE: 3/4" = 1'-0"

LEEDAVIES ARCHITECTURE
1212 BURLINGTON BLVD
NORTH PLATTE - NEBRASKA - 69101
PHONE: 308.530.9138

Title
Raised Grating Detail

Project
Modern Tire Pro Auto Center
& Super Suds Care Wash
North Platte Nebraska

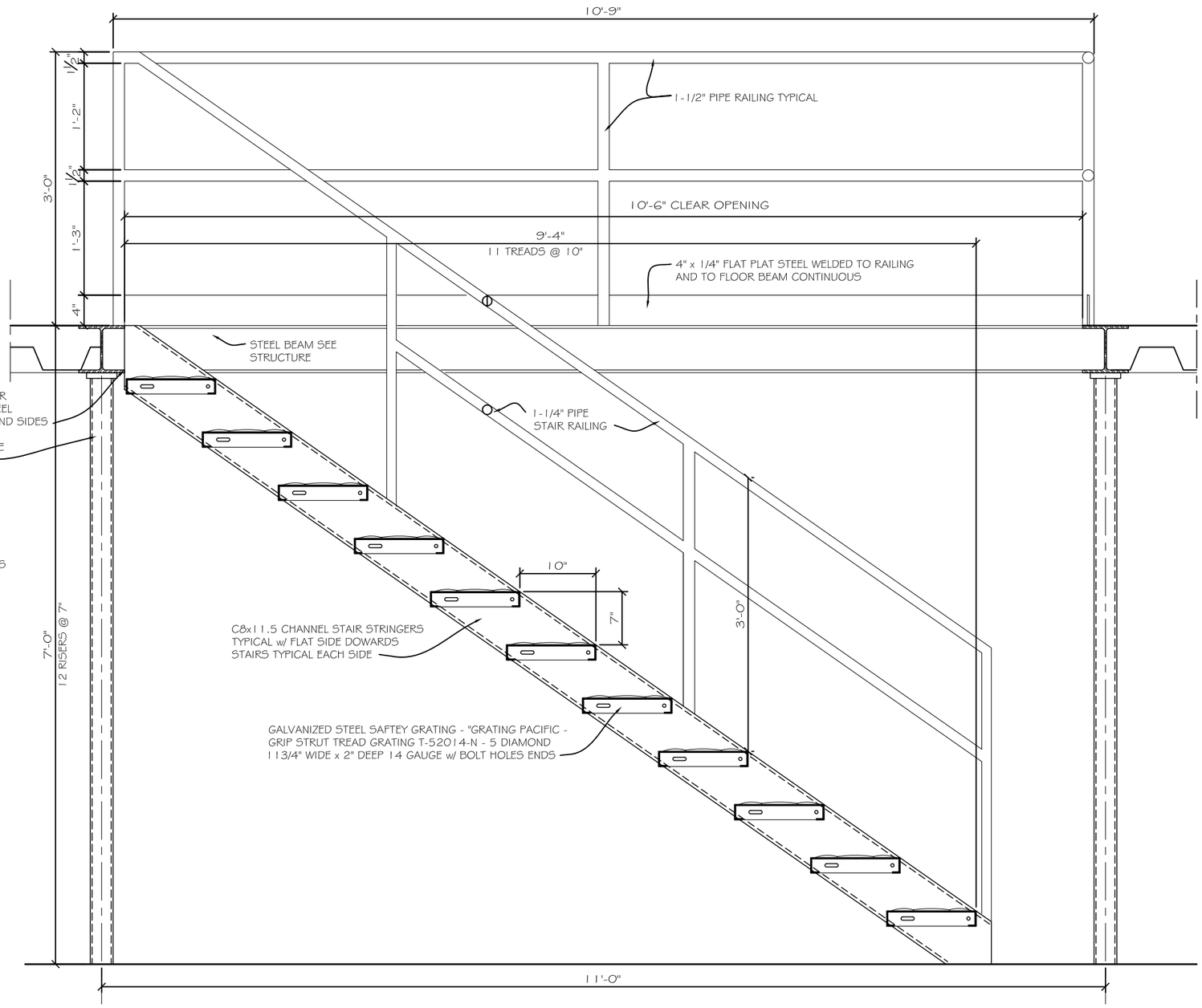
Date: April 23, 2012
Drawing: A602.2



D 1
A602.3

Basement Stair Section

SCALE: 3/4" = 1'-0"



D 2
A602.3

Basement Stair Section

SCALE: 3/4" = 1'-0"

LEEDAVIES ARCHITECTURE
1212 BURLINGTON BLVD
NORTH PLATTE - NEBRASKA - 69101
PHONE: 308.530.9138

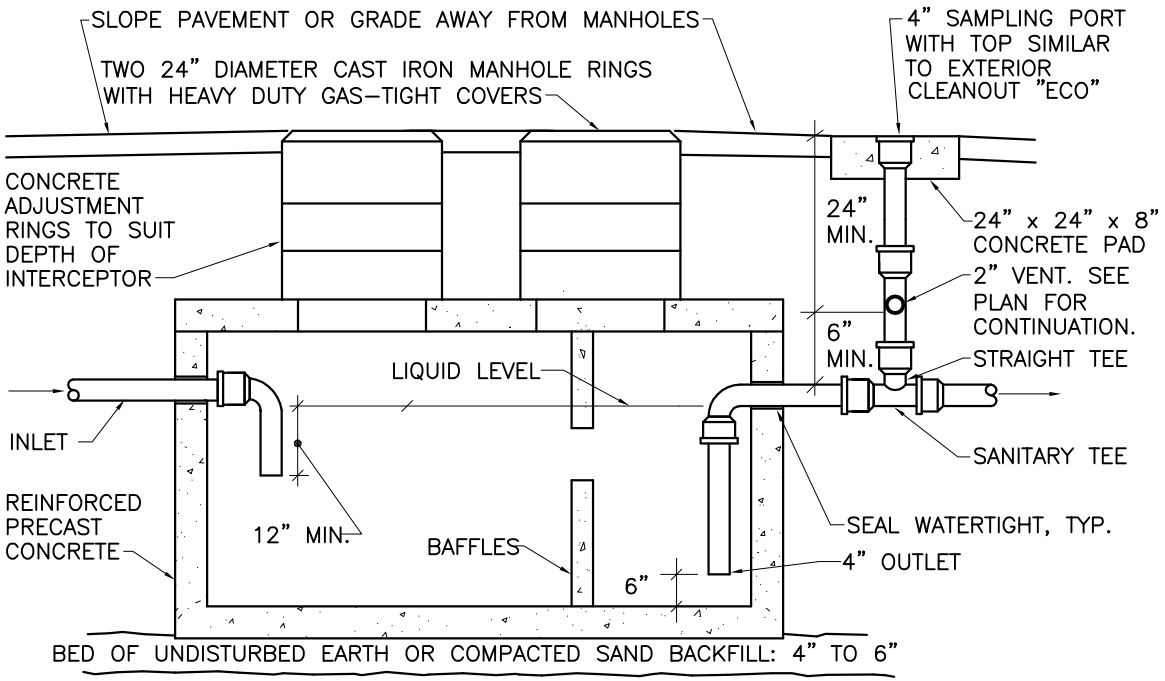
Title
Basement Stair Section & Railing

Project
Modern Tire Pro Auto Center
& Super Suds Care Wash
North Platte Nebraska

Date: April 23, 2012
Drawing: A602.3

HYDRONIC EQUIPMENT SCHEDULE

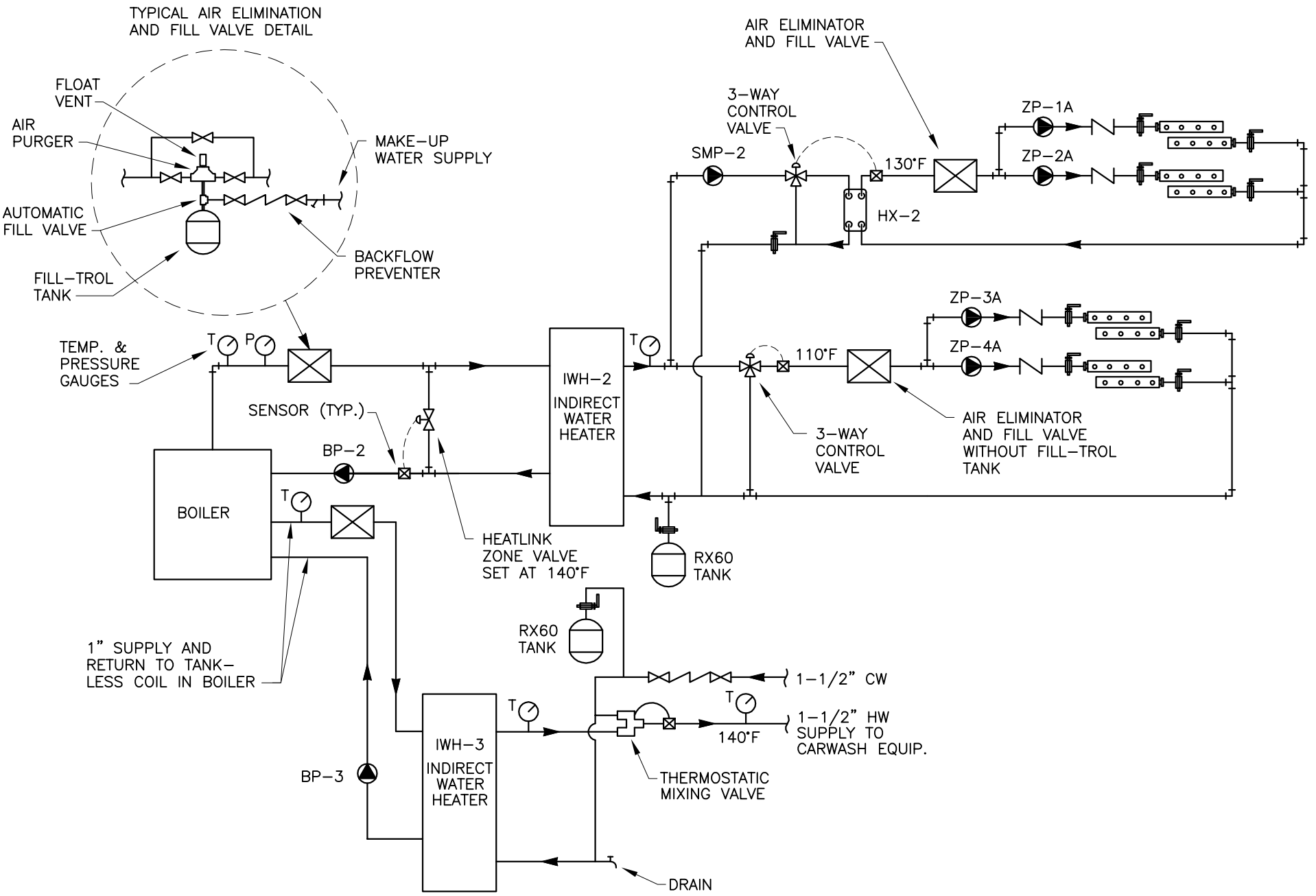
IDENT.	DESCRIPTION	SERVES	LOCATION	MINIMUM CAPACITIES	MANUFAC. AND MODEL NO.	REMARKS
ZP–1	CIRCULATING PUMP	ZONE 1 SERVICE STATION	SERVICE STATION	INLINE, CIRCULATING PUMP 10.5 GPM, 1/6 HP, 26 FT. HD. 120 VOLT, 1 PHASE	BELL AND GOSSETT PL–36	PROVIDE CHECK–TROL ISOLATION FLOW CONTROL VALVE
ZP–2	CIRCULATING PUMP	ZONE 2 SERVICE STATION	SERVICE STATION	INLINE, CIRCULATING PUMP 11 GPM, 1/6 HP, 22 FT. HD. 120 VOLT, 1 PHASE	BELL AND GOSSETT PL–36	PROVIDE CHECK–TROL ISOLATION FLOW CONTROL VALVE
ZP–3	CIRCULATING PUMP	ZONE 3 SERVICE STATION	SERVICE STATION	INLINE, CIRCULATING PUMP 12 GPM, 1/6 HP, 20 FT. HD. 120 VOLT, 1 PHASE	BELL AND GOSSETT PL–36	PROVIDE CHECK–TROL ISOLATION FLOW CONTROL VALVE
ZP–4	CIRCULATING PUMP	ZONE 4 SERVICE STATION	SERVICE STATION	INLINE, CIRCULATING PUMP 12 GPM, 1/6 HP, 20 FT. HD. 120 VOLT, 1 PHASE	BELL AND GOSSETT PL–36	PROVIDE CHECK–TROL ISOLATION FLOW CONTROL VALVE
ZP–5	CIRCULATING PUMP	ZONE 5 SERVICE STATION	SERVICE STATION	INLINE, CIRCULATING PUMP 3.5 GPM, 1/12 HP, 15 FT. HD. 120 VOLT, 1 PHASE	BELL AND GOSSETT PL–30	PROVIDE CHECK–TROL ISOLATION FLOW CONTROL VALVE
ZP–6	CIRCULATING PUMP	ZONE 6 SERVICE STATION	SERVICE STATION	INLINE, CIRCULATING PUMP 7 GPM, 1/12 HP, 15 FT. HD. 120 VOLT, 1 PHASE	BELL AND GOSSETT PL–30	PROVIDE CHECK–TROL ISOLATION FLOW CONTROL VALVE
SMP–1	SNOWMELT PUMP	ZP–1 ZP–2	SERVICE STATION	INLINE, CIRCULATING PUMP 25.8 GPM, 1/6 HP, 20 FT. HD. 115 VOLT, 1 PH.	BELL AND GOSSETT PL–36	
BP–1	BOILER PUMP	B–1	SERVICE STATION	INLINE, CIRCULATING PUMP 13.6 GPM, 1/12 HP, 15 FT. HD. 120 VOLT, 1 PHASE	BELL AND GOSSETT PL–30	
ZP–1A	CIRCULATING PUMP	ZONE 1 CARWASH	CARWASH	INLINE, CIRCULATING PUMP 2.0 GPM, 1/12 HP, 10 FT. HD. 120 VOLT, 1 PHASE	BELL AND GOSSETT PL–30	PROVIDE CHECK–TROL ISOLATION FLOW CONTROL VALVE
ZP–2A	CIRCULATING PUMP	ZONE 2 CARWASH	CARWASH	INLINE, CIRCULATING PUMP 3.5 GPM, 1/12 HP, 10 FT. HD. 120 VOLT, 1 PHASE	BELL AND GOSSETT PL–30	PROVIDE CHECK–TROL ISOLATION FLOW CONTROL VALVE
ZP–3A	CIRCULATING PUMP	ZONE 3 CARWASH	CARWASH	INLINE, CIRCULATING PUMP 2.0 GPM, 1/12 HP, 10 FT. HD. 120 VOLT, 1 PHASE	BELL AND GOSSETT PL–30	PROVIDE CHECK–TROL ISOLATION FLOW CONTROL VALVE
ZP–4A	CIRCULATING PUMP	ZONE 4 CARWASH	CARWASH	INLINE, CIRCULATING PUMP 7.0 GPM, 1/12 HP, 15 FT. HD. 120 VOLT, 1 PHASE	BELL AND GOSSETT PL–30	PROVIDE CHECK–TROL ISOLATION FLOW CONTROL VALVE
SMP–2	SNOWMELT PUMP	ZP–1A ZP–2A	CARWASH	INLINE, CIRCULATING PUMP 7.7 GPM, 1/12 HP, 20 FT. HD. 115 VOLT, 1 PH.	BELL AND GOSSETT PL–30	
BP–2	BOILER PUMP	B–2 SLAB HEAT	CARWASH	INLINE, CIRCULATING PUMP 13.6 GPM, 1/12 HP, 15 FT. HD. 120 VOLT, 1 PHASE	BELL AND GOSSETT PL–30	
BP–3	BOILER PUMP	B–2 CARWASH	CARWASH	INLINE, CIRCULATING PUMP 13.6 GPM, 1/12 HP, 15 FT. HD. 120 VOLT, 1 PHASE	BELL AND GOSSETT PL–30	
B–1	WASTE OIL BOILER	RADIANT HTG SYSTEM	SERVICE STATION	500 MBH INPUT, 400 MBH OUT ASME BOILER 115 VOLT, 1 PH.	COLUMBIA WL60	
B–2	WASTE OIL BOILER	RADIANT HTG & CARWASH	CARWASH	350 MBH INPUT, 280 MBH OUT ASME BOILER 115 VOLT, 1 PH.	COLUMBIA WL60	PROVIDE WITH TANKLESS COIL OPTION
HX–1	BRAZED PLATE HEAT EXCHANGER	SNOWMELT ZONES	SERVICE STATION	250 MBH HOT SIDE: 140°–120°, 25.8 GPM COLD SIDE: 130°–105°, 21.5 GPM	B&G BP412–20LP	
HX–2	BRAZED PLATE HEAT EXCHANGER	SNOWMELT ZONES	CARWASH	75 MBH HOT SIDE: 140°–120°, 7.7 GPM COLD SIDE: 130°–100°, 5.4 GPM	B&G BP400–20	
IWH–1 IWH–2 IWH–3	INDIRECT WATER HEATER	SEE PLANS	SERVICE STATION & CARWASH	120 GALLON STORAGE CAPACITY COIL FLOW RATE 13.6 GPM	NTI TRIN & STOR S120	



DETAIL SHOWS GENERAL SCHEMATIC REQUIREMENTS. CONTRACTOR SHALL SUBMIT PROPOSED OIL/WATER INTERCEPTOR INSTALLATION PLANS AND SPECIFICATIONS TO LOCAL AUTHORITIES FOR THEIR APPROVAL BEFORE ACQUISITION OF INTERCEPTOR. PROVIDE INTERCEPTOR WITH ADEQUATE STRUCTURAL STRENGTH TO ACCOMODATE VEHICULAR TRAFFIC AT INSTALLATION LOCATION. PROVIDE TANK WITH MINIMUM 1000 GALLON CAPACITY OR LARGER IF REQUIRED BY LOCAL AUTHORITIES – VERIFY.

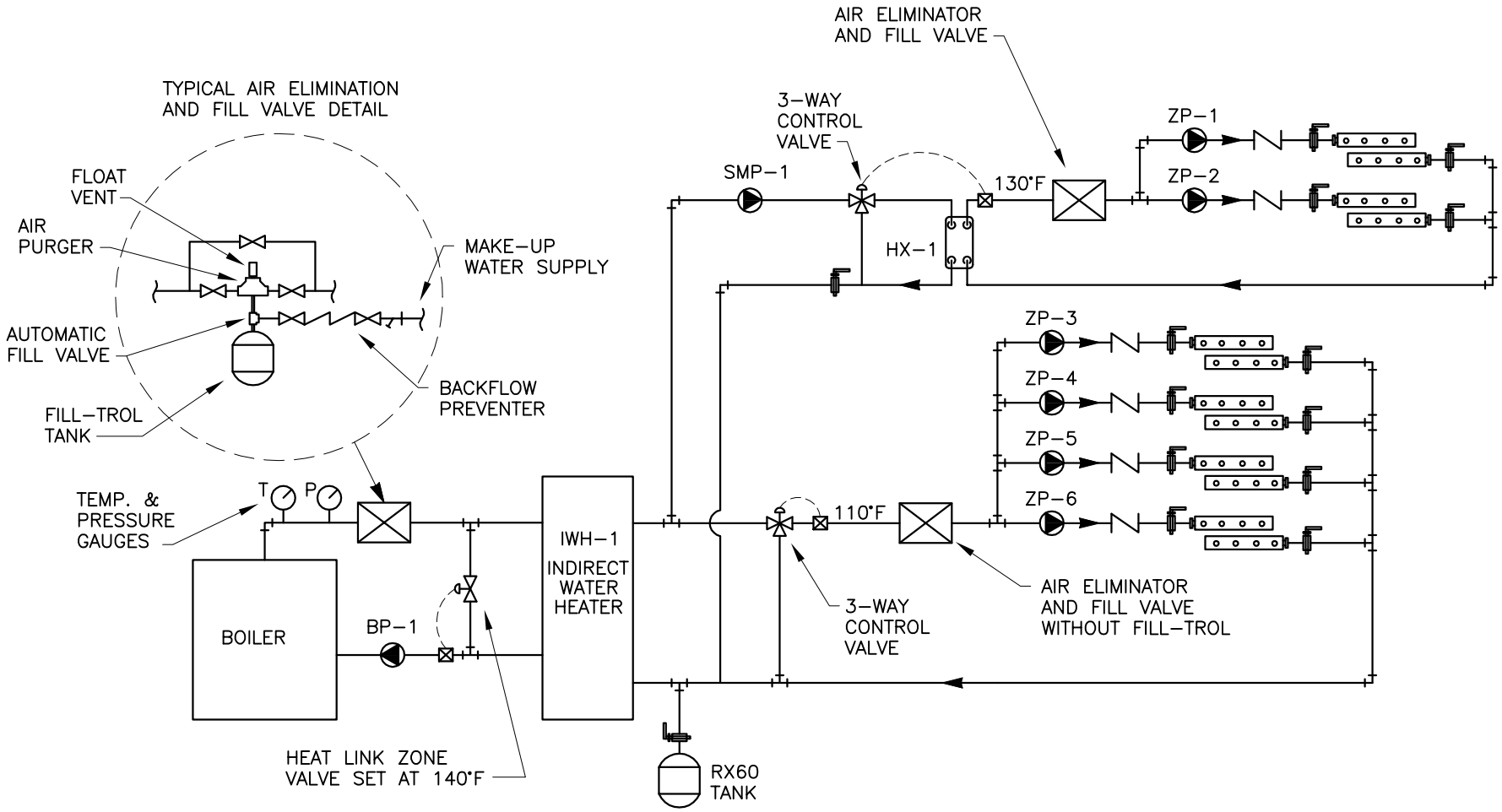
PRECAST CONCRETE OIL/WATER SEPERATOR

NO SCALE



SLAB HEATING SYSTEM PIPING SCHEMATIC - CAR WASH

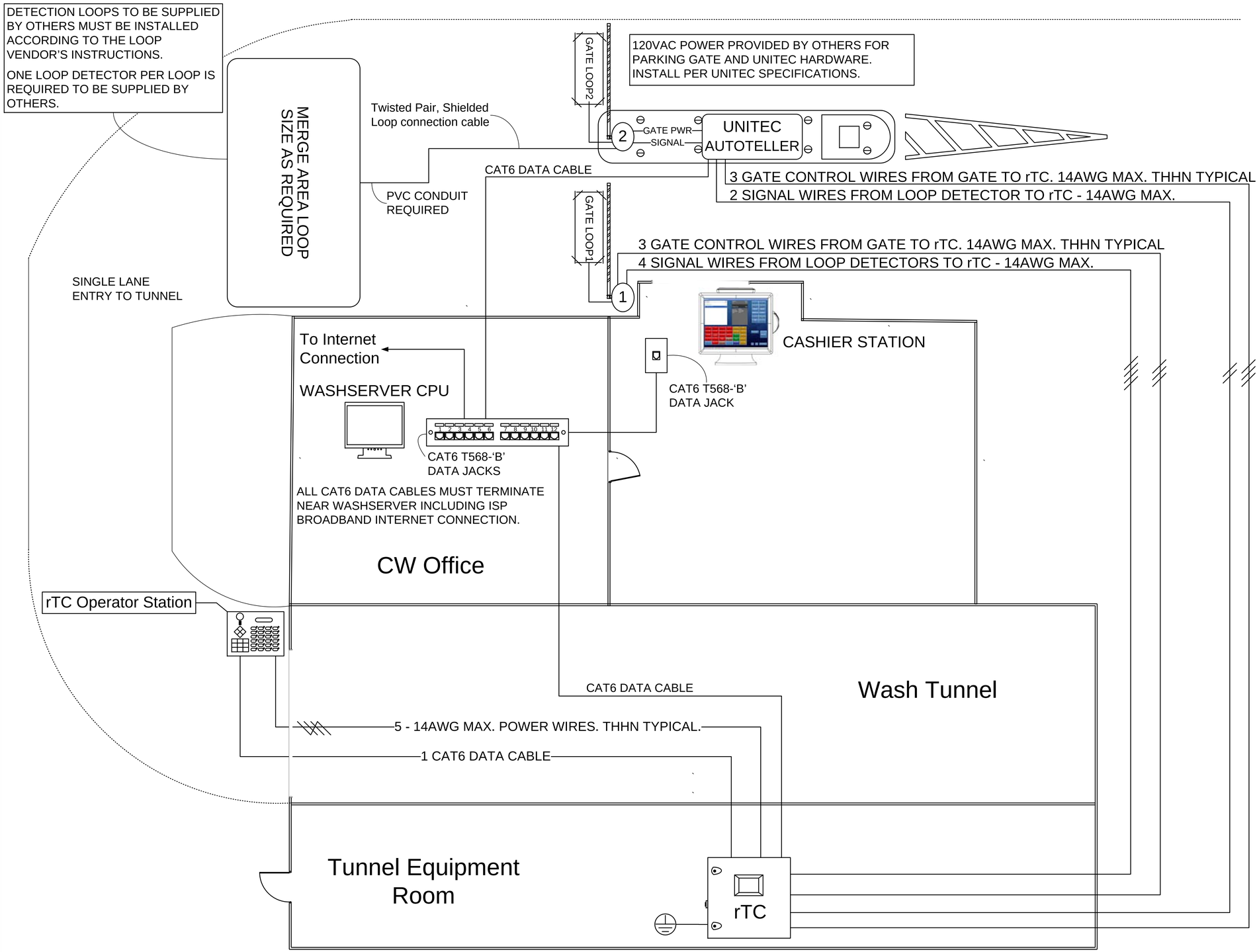
NO SCALE



SLAB HEATING SYSTEM PIPING SCHEMATIC - SERVICE STATION

NO SCALE

WashSoft Traffic-Management Site Layout Overview



Notes:

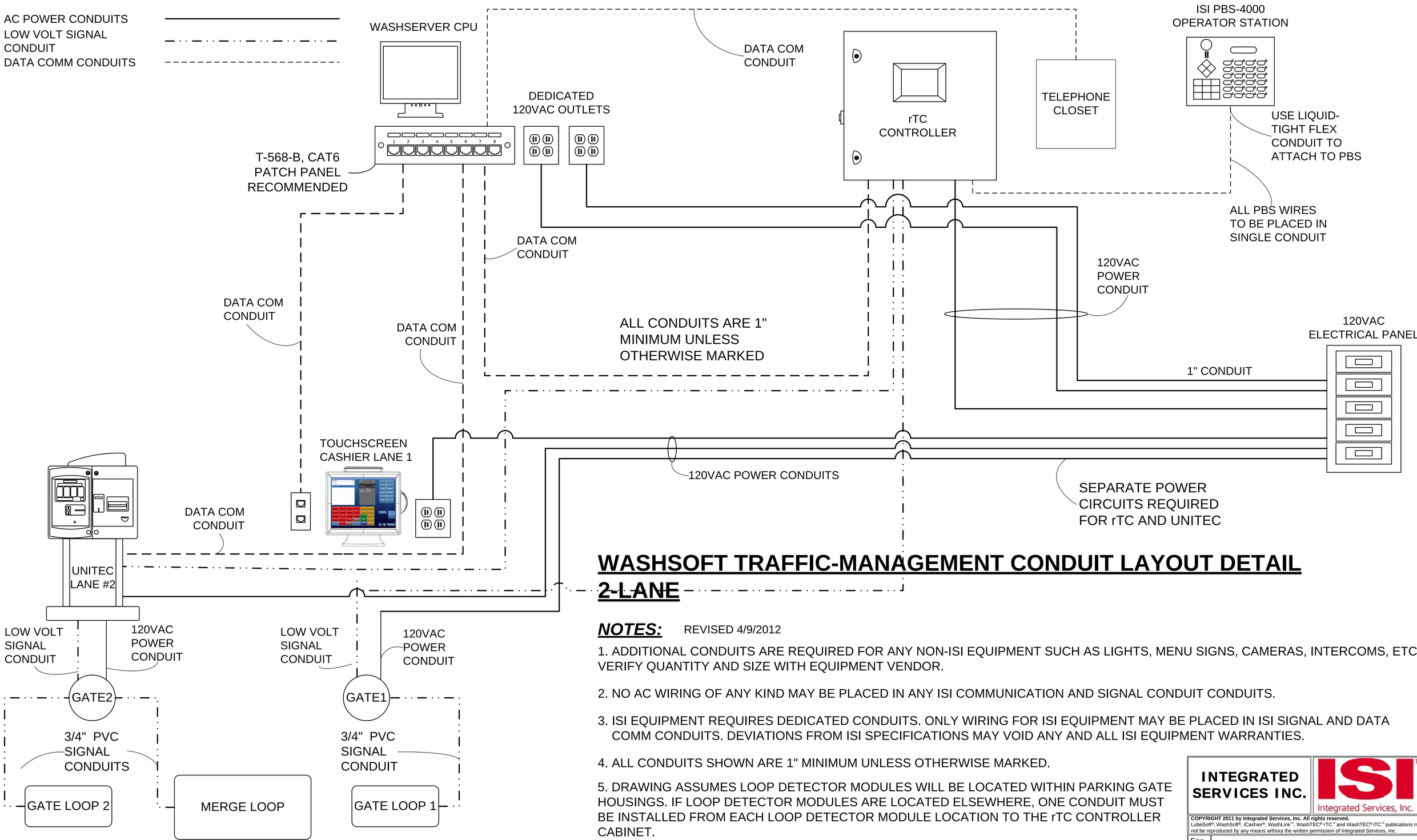
1. NO ISI SIGNAL WIRING MAY SHARE A CONDUIT WITH ANY AC CIRCUIT WIRE.
2. ALL ISI DATA CONDUITS MUST BE DEDICATED AND MUST NOT CONTAIN ANY OTHER AC OR DC CIRCUITS.
3. CAT6 DATA RUNS MUST NOT EXCEED 295' OR EXTRA HARDWARE TO BOOST THE NETWORK SIGNAL WILL BE REQUIRED.
4. ALL CREDIT CARD TRANSACTIONS WILL BE PROCESSED THROUGH THE WASHSERVER CPU USING A HIGH SPEED BROADBAND INTERNET CONNECTION. NO ADDITIONAL READER EQUIPMENT IS REQUIRED.
5. ALL PARKING GATES WILL BE OPENED & CLOSED WITH rTC OUTPUT RELAYS.
6. ALL GATE LOOPS MUST BE PLACED AND TUNED SO THAT A VEHICLE CANNOT PREMATURELY ACTIVATE THE LOOP PRIOR TO COMPLETING A SALE.
7. EACH LOOP REQUIRES ONE ELECTRONIC LOOP DETECTOR MODULE.
8. THESE DRAWINGS ASSUME THE LOOP DETECTOR MODULES WILL BE LOCATED IN THE RESPECTIVE PARKING GATE HOUSINGS.
9. ALL LOOP DETECTOR RELAYS WILL BE CONNECTED TO rTC INPUTS.
10. ALL LOOP WIRE AND DETECTORS MUST BE SUPPLIED BY OTHERS.
11. SOME PARKING GATE MODELS MAY HAVE LOOP DETECTORS BUILT IN OR AS AN OPTION.
12. ALL CAT6 DATA JACKS MUST BE T568-B CERTIFIED JACKS.

INTEGRATED SERVICES INC.

ISI™ Integrated Services, Inc.

For:	
WashSoft Traffic-Management Site	
Page#: 1 of 8	Drawing Date: 4/9/2012
File: Unitec	

WashSoft Traffic-Management Site Conduit Detail 2-Lane



ELECTRICIAN TO SUPPLY, INSTALL & HOOK UP UNLESS SPECIFICALLY NOTED OTHERWISE ON THIS DRAWING

WASHSOFT TRAFFIC-MANAGEMENT CONDUIT LAYOUT DETAIL 2-LANE

NOTES: REVISED 4/9/2012

1. ADDITIONAL CONDUITS ARE REQUIRED FOR ANY NON-ISI EQUIPMENT SUCH AS LIGHTS, MENU SIGNS, CAMERAS, INTERCOMS, ETC. VERIFY QUANTITY AND SIZE WITH EQUIPMENT VENDOR.

2. NO AC WIRING OF ANY KIND MAY BE PLACED IN ANY ISI COMMUNICATION AND SIGNAL CONDUIT CONDUITS.

3. ISI EQUIPMENT REQUIRES DEDICATED CONDUITS. ONLY WIRING FOR ISI EQUIPMENT MAY BE PLACED IN ISI SIGNAL AND DATA COMM CONDUITS. DEVIATIONS FROM ISI SPECIFICATIONS MAY VOID ANY AND ALL ISI EQUIPMENT WARRANTIES.

4. ALL CONDUITS SHOWN ARE 1" MINIMUM UNLESS OTHERWISE MARKED.

5. DRAWING ASSUMES LOOP DETECTOR MODULES WILL BE LOCATED WITHIN PARKING GATE HOUSINGS. IF LOOP DETECTOR MODULES ARE LOCATED ELSEWHERE, ONE CONDUIT MUST BE INSTALLED FROM EACH LOOP DETECTOR MODULE LOCATION TO THE rTC CONTROLLER CABINET.

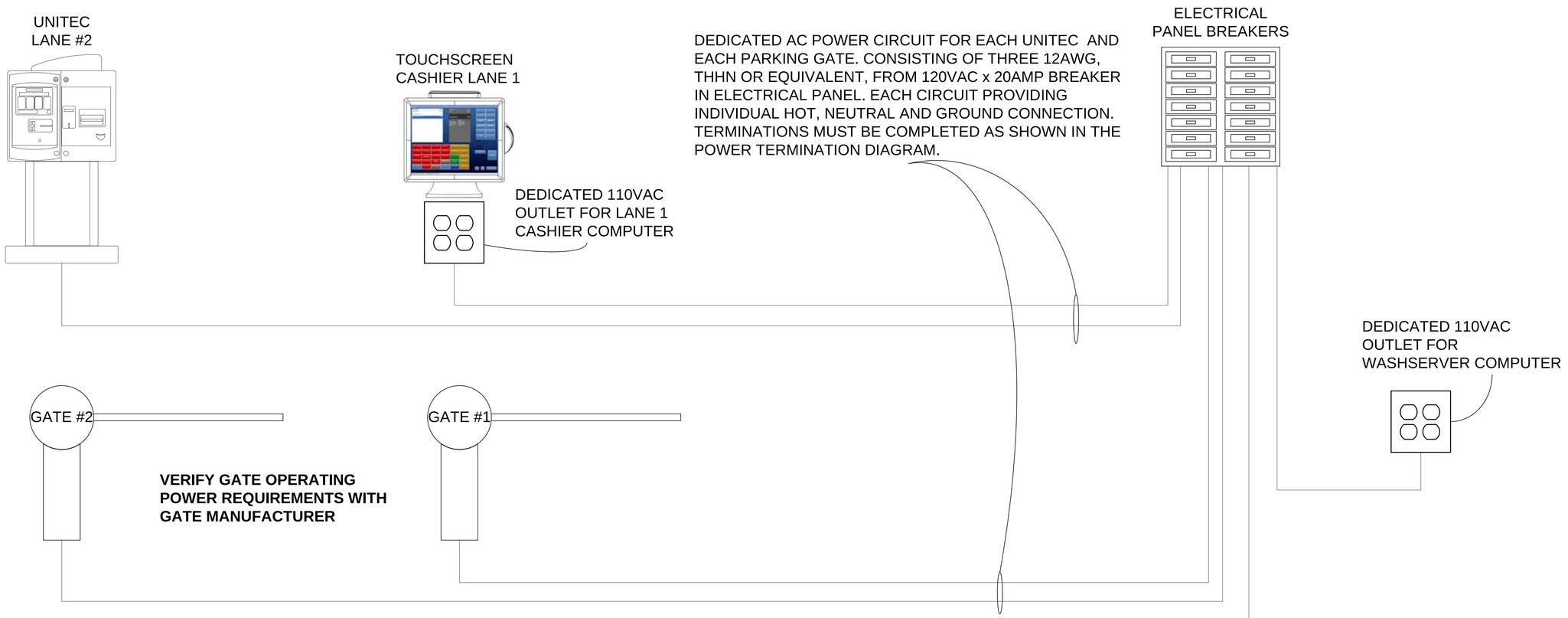
6. ALL LOOP DETECTION WIRE AND LOOP DETECTORS TO BE SUPPLIED BY OTHERS.

INTEGRATED SERVICES INC.

Integrated Services, Inc.

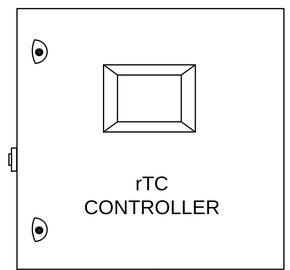
For:	
WashSoft Traffic-Management Site	
Page#: 2 of 8	Drawing Date: 4/9/2012
File: Unitec	

WashSoft Traffic-Managment Site AC Power Layout 2-Lane



THIS DRAWING IS NOT TO SCALE. THIS DRAWING IS INTENDED ONLY TO SHOW THE TYPES OF CABLES THAT MUST BE RUN BETWEEN PIECES OF ISI & UNITEC EQUIPMENT. INDIVIDUAL CABLE RUNS MUST INSURE THAT AMPLE CABLE IS AVAILABLE AT EACH END TO FACILITATE CORRECT TERMINATION. ACTUAL CABLE TERMINATION POINTS ARE NOT SHOWN ON THIS DRAWING AND MUST BE VERIFIED BY INSTALLATION PERSONNEL.

DEDICATED AC POWER CIRCUIT FOR ISI rTC CONTROLLER. CONSISTING OF THREE 14AWG, THHN OR EQUIVALENT, FROM 120VAC x 20AMP BREAKER IN ELECTRICAL PANEL. CIRCUIT MUST PROVIDE INDIVIDUAL HOT, NEUTRAL AND GROUND CONNECTION. TERMINATIONS MUST BE COMPLETED AS SHOWN IN THE CONTROLLER POWER TERMINATION DIAGRAM.



NOTES: REVISED 4/9/2012

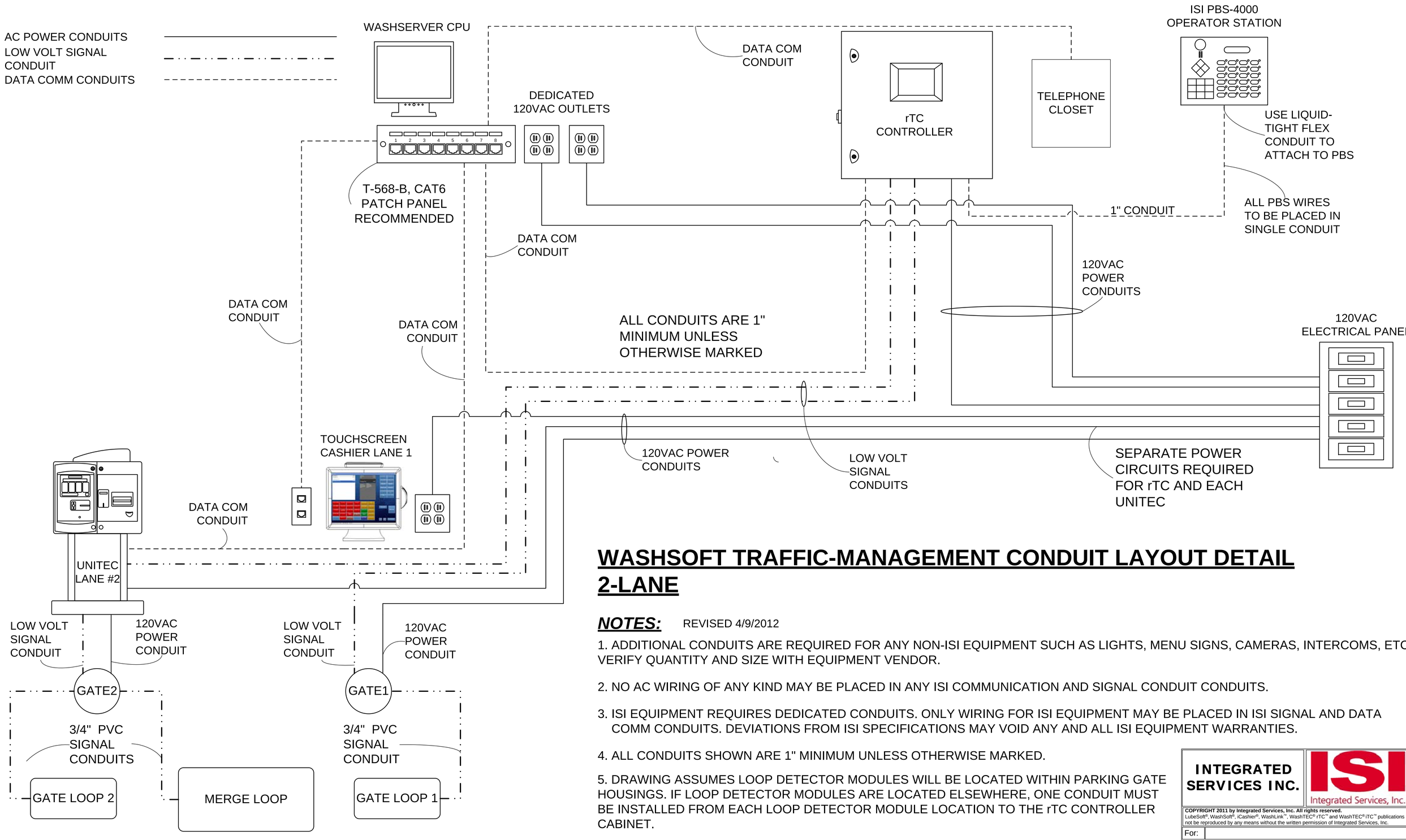
1. THIS DRAWING ONLY SHOWS AC REQUIREMENTS FOR HARDWARE SUPPLIED BY ISI. SEE ADDITIONAL HARDWARE VENDORS SPECIFICATION FOR POWER REQUIRED FOR NON ISI EQUIPMENT.
2. ELECTRICIAN TO SUPPLY AND CONNECT UNLESS SPECIFICALLY NOTED OTHERWISE ON THIS DRAWING.
3. EACH SENTINEL AND EACH PARKING HATE MUST BE POWERED FORM SEPARATE AC CIRCUIT AND BREAKER.
4. SEPARATE AC POWER CIRCUITS WITH DEDICATED GROUND REQUIRED FOR EACH COMPUTER.

INTEGRATED SERVICES INC.

ISI™ Integrated Services, Inc.

For:	
WashSoft Traffic-Managment Site AC	
Page#: 3 of 8	Drawing Date: 4/9/2012
File: Unitec	

WashSoft Traffic-Management Site Data Comm Wiring Detail 2-Lane



ALL WIRE & CABLING SUPPLIED BY OTHERS.

WASHSOFT TRAFFIC-MANAGEMENT CONDUIT LAYOUT DETAIL 2-LANE

NOTES: REVISED 4/9/2012

1. ADDITIONAL CONDUITS ARE REQUIRED FOR ANY NON-ISI EQUIPMENT SUCH AS LIGHTS, MENU SIGNS, CAMERAS, INTERCOMS, ETC. VERIFY QUANTITY AND SIZE WITH EQUIPMENT VENDOR.

2. NO AC WIRING OF ANY KIND MAY BE PLACED IN ANY ISI COMMUNICATION AND SIGNAL CONDUIT CONDUITS.

3. ISI EQUIPMENT REQUIRES DEDICATED CONDUITS. ONLY WIRING FOR ISI EQUIPMENT MAY BE PLACED IN ISI SIGNAL AND DATA COMM CONDUITS. DEVIATIONS FROM ISI SPECIFICATIONS MAY VOID ANY AND ALL ISI EQUIPMENT WARRANTIES.

4. ALL CONDUITS SHOWN ARE 1" MINIMUM UNLESS OTHERWISE MARKED.

5. DRAWING ASSUMES LOOP DETECTOR MODULES WILL BE LOCATED WITHIN PARKING GATE HOUSINGS. IF LOOP DETECTOR MODULES ARE LOCATED ELSEWHERE, ONE CONDUIT MUST BE INSTALLED FROM EACH LOOP DETECTOR MODULE LOCATION TO THE rTC CONTROLLER CABINET.

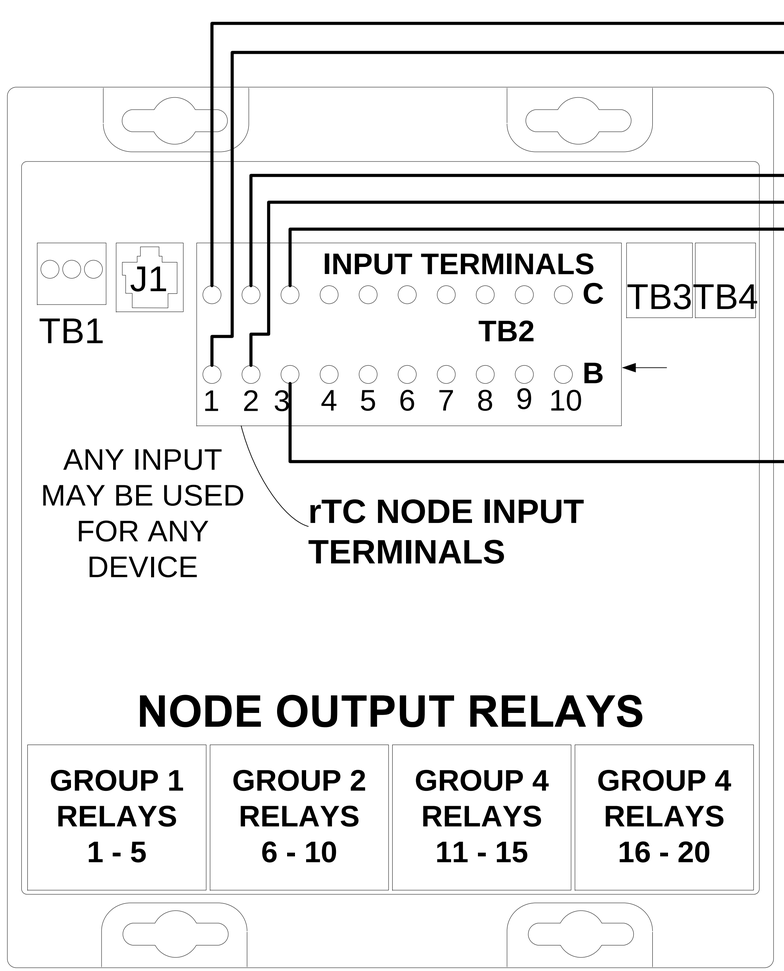
6. ALL LOOP DETECTION WIRE AND LOOP DETECTORS TO BE SUPPLIED BY OTHERS.

INTEGRATED SERVICES INC.

ISI™ Integrated Services, Inc.

For:	
WashSoft Traffic-Management Site Data	
Page#: 4 of 8	Drawing Date: 4/9/2012
File: Unitec	

WashSoft Traffic-Management Site Came Gate Loop Wiring Detail



BEA Matrix Dual Loop Detector

NOTES: REVISED 4/9/2012

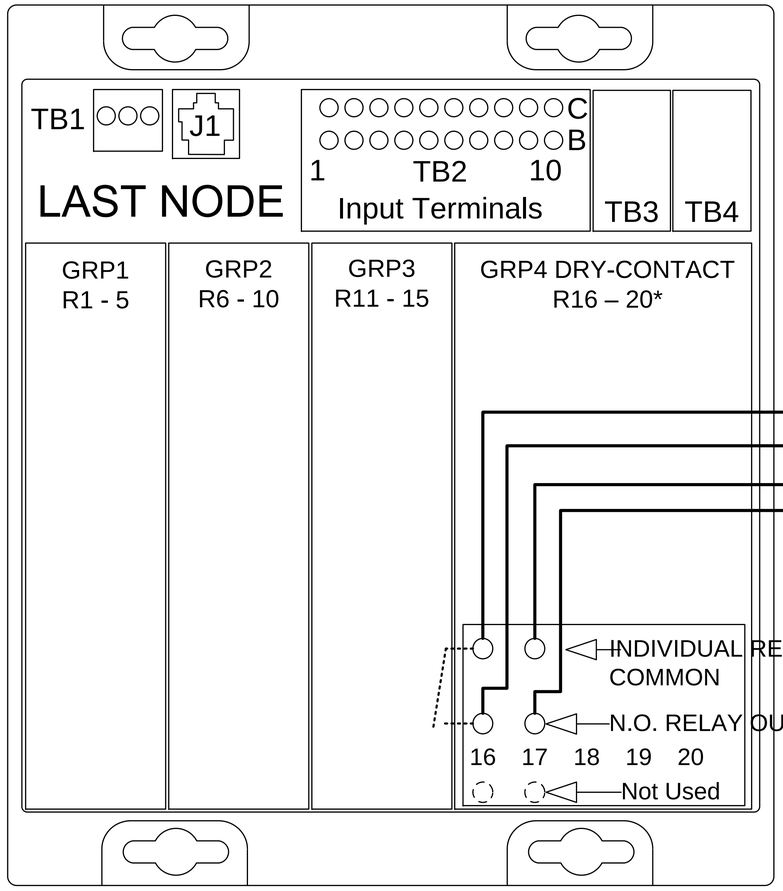
1. ONE GATE LOOP IS REQUIRED FOR EACH LANE TO BE USED.
2. MERGE LOOPS MAY BE INSTALLED AS REQUIRED TO PROTECT THE MERGE AREA.
3. CAME GATES HAVE ONE DUAL CHANNEL LOOP DETECTOR INCLUDED IN EACH GATE. EACH LOOP DETECTOR CAN OPERATE TWO DETECTION LOOPS.
4. ONE RTC CONTROLLER INPUT IS REQUIRED FOR EACH LOOP BEING USED.
5. *REMOVE THE FACTORY WIRES FROM THE LOOP DETECTOR TERMINALS 6 & 10. CAP THEM OFF SO THEY CAN NOT SHORT TO ANY OTHER PARTS.
6. TWO WIRES ARE REQUIRED TO BE RUN FROM EACH GATE LOOP DETECTOR TO THE rTC CONTROLLER FOR EACH LOOP BEING USED.
7. ALL WASHSOFT LOW VOLTAGE SIGNAL WIRING MUST BE 18AWG MINIMUM TO 14AWG MAXIMUM, THHN TYPICAL.
8. ALL WASHSOFT LOW VOLTAGE SIGNAL WIRING MUST BE IN SEPARATE CONDUITS FROM ANY AC SIGNAL WIRING.
9. THE FACTORY WIRES ON THE LOOP DETECTOR TERMINALS 6 & 10 MUST BE REMOVED AND CAPPED OFF SO THEY CANNOT SHORT TO OTHER PARTS OR WIRES.
10. LOOP DETECTOR DIP SWITCHES 5 & 7 MUST BE = ON. SWITCHES 3, 4, 6, 8, 9 & 10 MUST BE = OFF.
11. LOOP DETECTOR DIP SWITCHES 1 & 2 FREQUENCY SETTINGS MUST BE SET DIFFERENTLY FOR EACH LANE.
12. THE PRESENCE TIME SETTING MUST BE SET = MAXIMUM (7 O'CLOCK).
13. SEE THE UNITEC LOOP INSTALLATION GUIDE FOR MORE INFO ABOUT LOOP CONSTRUCTION AND PLACEMENT.

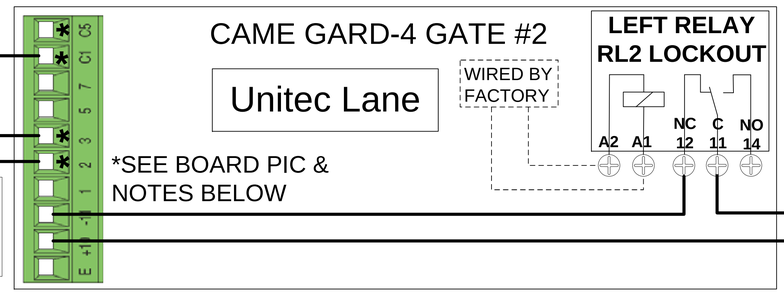
INTEGRATED SERVICES INC.

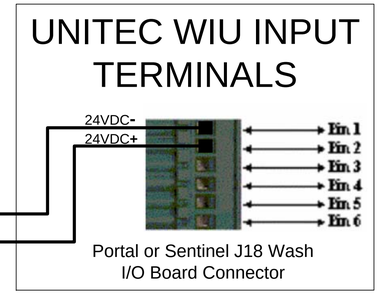
Integrated Services, Inc.

For:	
WashSoft Traffic-Management Site Came	
Page#: 5 of 8	Drawing Date: 4/9/2012
File: Unitec	

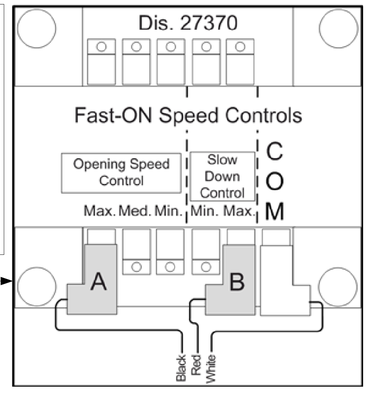
WasSoft Traffic-Management Came Gard-4 Gate Control Wiring Detail

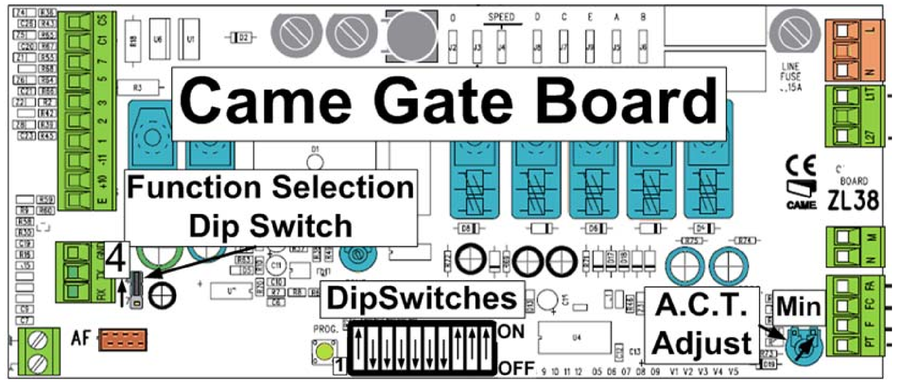






To regulate the speed of the gate opening and closing, move the Fast-On connector from the transformer indicated with “A” to Min, Med, or Max. For Closing slowdowns, move the Fast-On connector “B” to Min or Max. i.e.: Maximum opening speed and Max. closing slowdown is recommended as shown in the drawing to right.





WASHSOFT TRAFFIC-MANAGEMENT rTC TO UNITEC CAME PARKING GATE WIRING DETAIL

NOTES: REVISED 4/9/2012

1. ONE rTC DRY-CONTACT RELAY MODULE ISI PN 800-0713-DC IS REQUIRED TO CONTROL UP TO 4 PARKING GATES.
2. ONE DRY-CONTACT RELAY MODULE, ISI PN 800-0713-DC IS NORMALLY SUPPLIED ON THE LAST NODE IN THE rTC. THE DRY-CONTACT RELAYS CAN BE IDENTIFIED BY A GREEN TERMINAL STRIP SIMILAR TO THE NODE INPUTS. MAKE SURE YOU HAVE ONE DRY-CONTACT RELAY MODULE BEFORE STARTING. IF A DRY-CONTACT RELAY MODULE IS NEEDED, PLEASE CALL ISI SALES AT 800-922-3099
3. ALL rTC NODES HAVE PLUG IN OUTPUT RELAY PACKS THAT CAN BE REMOVED OR REPLACED.
4. THE WASH-IN-USE INPUT IS REQUIRED TO BE WIRED UP ON EACH UNITEC DEVICE.
5. BEFORE OPERATING ANY CAME GARD-4 PARKING GATE, THE INSTALLATION PREPARATION STEPS IN THE FACTORY MANUAL MUST BE COMPLETED.
6. IF THE BARRIER OPENING MUST BE CHANGED THE MOTOR PHASE WIRES MUST BE INVERTED AND THE END CONNECTION MUST BE CHANGED. SEE THE CAME INSTALLATION MANUAL FOR SPECIFIC INFORMATION.
7. *FACTORY WIRING ON GATE BOARD TERMINALS 2, 3 & C5 MUST BE REMOVED PRIOR TO TERMINATING WIRES FROM THE rTC. CAP ALL REMOVED WIRES SO THAT THEY CAN NOT SHORT TO THE GATE BOARD.
8. BEFORE OPERATING THE GATE, THE BARRIER BAR MUST BE BALANCED, THE STOP POSITIONS SET AND ALL GATE BOARD DIP SWITCH OPTIONS SET. THE GATE COVER SENSOR MUST BE ACTIVATED (CLOSED) AND TERM C5 JUMPED TO TERM 3 ONE TIME FOR TWO SECONDS TO RESET THE GATE BOARD.
9. SET THE CAME BOARD DIP SWITCHES 2, 3, 4, 5. 6. & 7 = OFF AND 1, 8, 9 & 10 = ON. SET THE FUNCTION SELECTION DIP SWITCH TO POS. 4 & CONNECT A WIRE BETWEEN TERMINALS 2 & C1 AS SHOWN.
10. THE A.C.T. TIMER ADJUSTMENT ON EACH GATE BOARD MUST BE SET = MINIMUM. SET FAST-ON CONNECTORS AS SHOWN ON DRAWING ABOVE.
11. WIRE TERMINALS 11, 12 & 14 ON RELAY RL1 TO THE UNITEC WIU INPUT AS INDICATED ABOVE. THE WIU INTERFACE MUST ALSO BE ENABLED IN THE UNITEC SET UP SOFTWARE.

INTEGRATED SERVICES INC.

ISI™ Integrated Services, Inc.

For:	
WasSoft Traffic-Management Came Gard-	
Page#: 6 of 8	Drawing Date: 4/9/2012
File: Unitec	

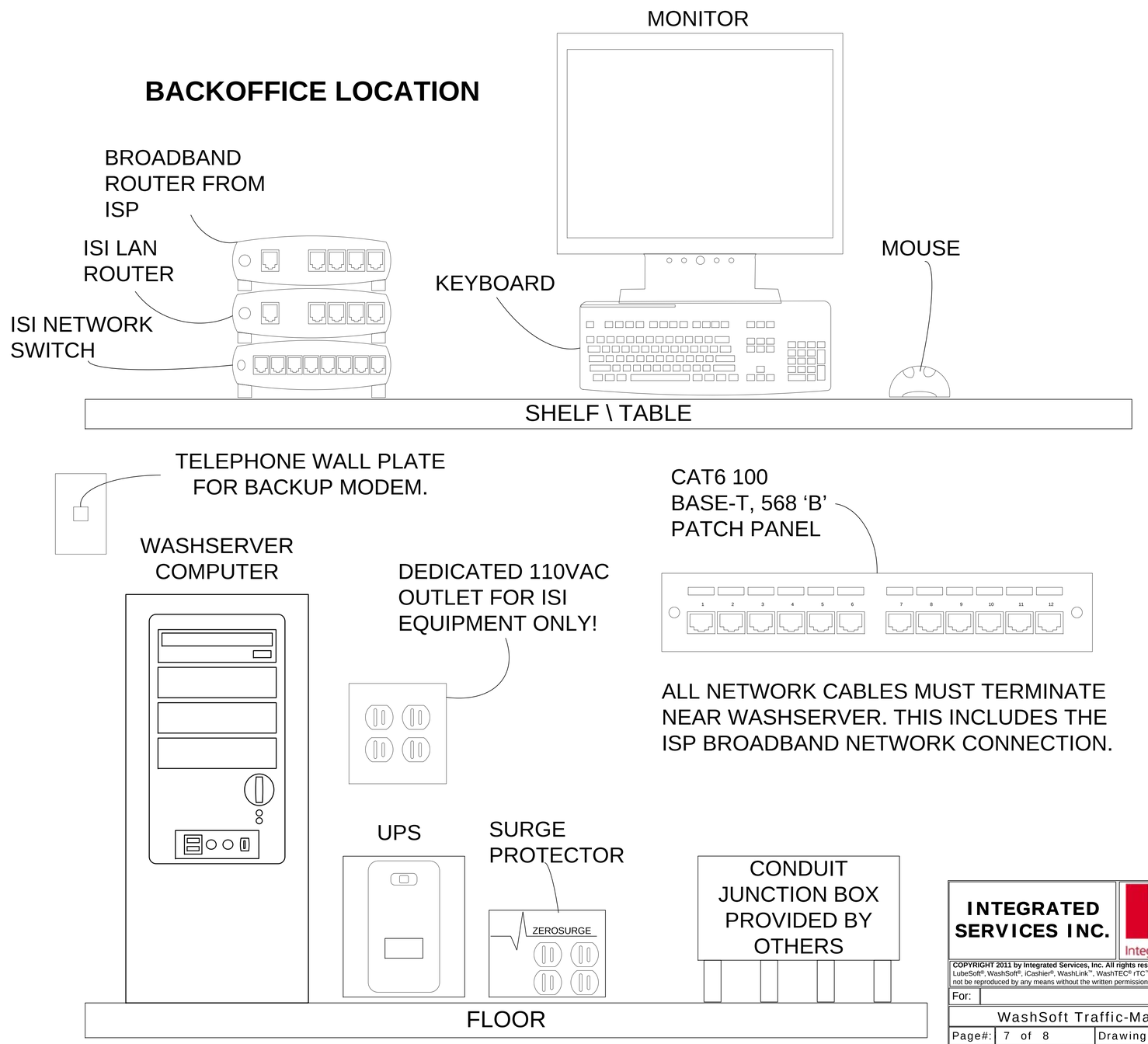
WashSoft Traffic-Management WashServer Area Hardware Layout

WASHSOFT TRAFFIC-MANAGEMENT WASHSERVER AREA LAYOUT DETAIL

THIS DRAWING IS NOT TO SCALE. THIS DRAWING IS INTENDED ONLY TO GIVE THE CAR WASH AN IDEA AS TO THE AMOUNT OF EQUIPMENT THAT NEEDS TO BE LOCATED WITH THE WASHSERVER COMPUTER. PROVIDING ALL SHELVING OR FURNITURE IS THE RESPONSIBILITY OF THE CAR WASH OWNER.

NOTES: Revised 4/9/2012

1. ALL DATA CABLE AND JACKS ARE TO BE CAT6 CERTIFIED.
2. ALL CAT6 NETWORK CABLES MUST BE TERMINATED WITHIN 6 FEET OF WASHSERVER ON CAT6 FEMALE T568 'B' DATA JACKS. USE OF A MULTIPORT PATCH PANEL IS RECOMMENDED.
3. ONE CAT6 CABLE BETWEEN THE WASHSERVER LOCATION AND rTC CONTROLLER IS REQUIRED.
4. ONE CAT6 CABLE BETWEEN THE WASHSERVER LOCATION AND EACH UNITEC AUTOTELLER IS REQUIRED.
5. ONE CAT6 CABLE BETWEEN THE WASHSERVER LOCATION AND EACH OPTIONAL CASHIER STATION IS REQUIRED. ONE SPARE CAT6 CABLE TO EACH CASHIER STATION IS RECOMMENDED.
6. IF THE OPTIONAL ISI WIRELESS HANDHELD GREETER OR CASHIER WILL BE USED AT THE SITE, ONE CAT6 CABLE WILL BE REQUIRED BETWEEN THE WASHSERVER LOCATION AND THE WIRELESS ACCESS POINT LOCATION.
7. WHEN THE ISI WIRELESS HAND HELD CASHIER WILL BE USED THE WIRELESS ACCESS POINT MUST BE MOUNTED WITHIN 50' OF WHERE THE HAND HELD CASHER DEVICE WILL BE USED. THERE MST BE A CLEAR LINE OF BETWEEN THE HAND HELD USER AND HT ACCESS POINT AT ALL TIMES.
7. NO SITE NETWORK CAMERA OR WIFI HOTSPOT APPLICATIONS MAY BE CONNECTED TO USE THE SAME IP SUBNET AS THE WASHSOFT LAN NETWORK. ALL SUCH APPLICATIONS MUST BE ISOLATED FROM THE WASHSOFT NETWORK BY A ROUTER SUPPLIED BY OTHERS.



INTEGRATED SERVICES INC.

ISI™ Integrated Services, Inc.

For:	
WashSoft Traffic-Management	
Page#: 7 of 8	Drawing Date: 4/9/2012
File: Unitec	

WashSoft Traffic-Management Cashier CPU Area Hardware Layout

THIS DRAWING IS NOT TO SCALE. THIS DRAWING IS INTENDED ONLY TO GIVE THE CAR WASH AN IDEA AS TO THE AMOUNT OF EQUIPMENT THAT NEEDS TO BE LOCATED WITH THE WASHSERVER COMPUTER. PROVIDING ALL SHELVING OR FURNITURE IS THE RESPONSIBILITY OF THE CAR WASH OWNER.

NOTES: REVISED 4/9/2012

1. CAT6 CERTIFIED DATA CABLE IS REQUIRED FOR ALL DATA RUNS.

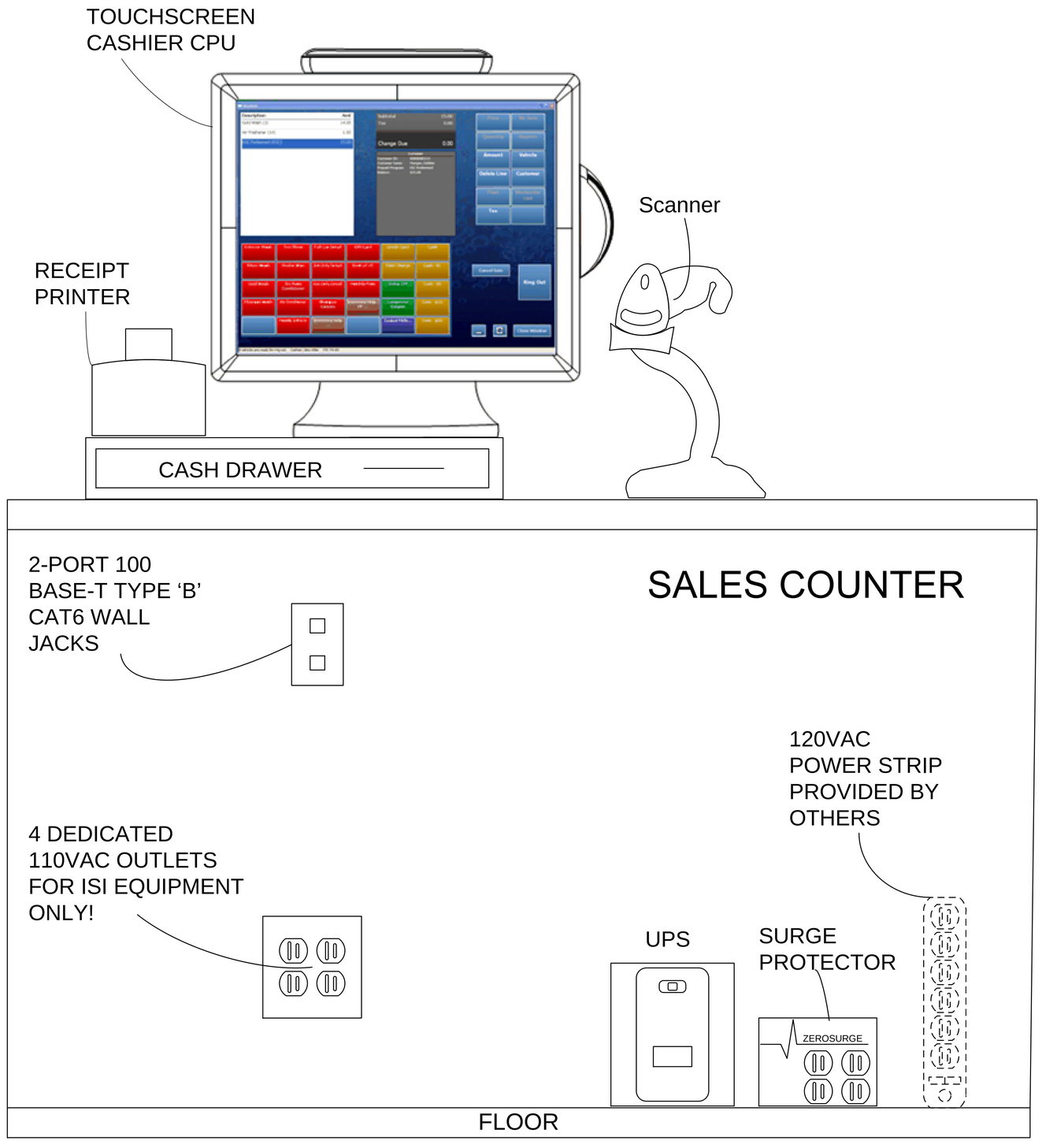
2. TWO CAT6 CABLES REQUIRED BETWEEN EACH CASHIER LOCATION AND THE WASHSERVER LOCATION.

3. ALL CAT6 & CAT6 JACKS MUST BE T-568 TYPE ‘B’

4. CLEAR AIR CIRCULATION MUST BE MAINTAINED AROUND ALL CPU’S AT ALL TIMES.

5. ONE OR MORE MULTI-OUTLET POWER STRIPS ARE REQUIRED TO BE PROVIDED BY OTHERS.

6. THE CASHIERING COUNTER MUST BE A MINIMUM OF 16" DEEP TO FLUSH MOUNT THE WASHSOFT CASH DRAWER.



INTEGRATED SERVICES INC.

ISI™ Integrated Services, Inc.

For:	
WashSoft Traffic-Management Cashier	
Page#: 8 of 8	Drawing Date: 4/9/2012
File: Unitec	

AJ Htg-AC-Sheet Metal 910 E 8th PO Box 888 North Platte, NE 69103	MISCELLANEOUS	Todd Bissell Phone: (308) 532-1500 Fax: (308) 532-9428	Filled 4/13/2012	Ship - UPS Ground
All City Glass 1400 W. 22nd St. Ste A Kearney, NE 68845	Glass Company	Dean Schoene Phone: (308) 338-8833 Fax: (308) 236-8083	Filled 4/16/2012	Ship - UPS Ground
Builders Plan Service 309 West 2nd St Grand Island, Nebraska 68801	Building Permits	Plan Room Phone: (308) 382-9210 Fax: (308) 999-9999	Filled 4/13/2012	Ship - UPS Ground
Butterfield Electric Inc. 1711 Avenue J Gothenburg, NE 69138	ELECTRICAL	Linda Butterfield Phone: (308) 537-4397 Fax: (308) 537-4397	Filled 4/19/2012	Ship - UPS Ground
Central Nebraska Plan Service P.O. Box 1229 111 West 6th Street North Platte, NE 69101	PLAN ROOM	Blake Niesen Phone: (308) 696-3818 Fax: (308) 532-9413	Filled 4/13/2012	Ship - UPS Ground
Chamber Plan Service 1007 2nd St Kearney, NE 68847	PLAN ROOM	head estimator Phone: (308) 237-3101 Fax: (308) 000-0000	Filled 4/13/2012	Ship - UPS Ground
Charlies North Platte Plumbing P.O. Box 1127 1400 E. 8th Street North Platte, NE 69101	MECH/PLUMBING	Charlie no longer with comp Phone: (308) 534-1201 Fax: (308) 532-1547	Filled 4/13/2012	Ship - UPS Ground
Designer Woods 9314 North 45th Street Omaha, NE 68152	Cabinetry	Peter Garcia Phone: (402) 592-5868 Fax: (402) 592-2576	Filled 4/16/2012	Pickup - Customer Pick Up / Omaha
Dicon Construction 11506 Nicholas St Omaha, NE 68154	GENERAL	Drew Klum Phone: (402) 934-2900 Fax: (402) 493-5549	Filled 4/13/2012	Pickup - Customer Pick Up / Omaha
Hastings Builders Bureau 301 S Burlington PO Box 1104 Hastings, NE 68902	PLAN ROOM	Pat Meyer Phone: (402) 461-8400 Fax: (402) 461-4400	Filled 4/13/2012	Ship - UPS Ground
Insulation Systems INC 355 North Pine Street Grand Island, NE 68801	Insulation	Joy Catholos Phone: (308) 384-7856 Fax: (308) 384-0501	Filled 4/17/2012	Ship - UPS Ground
jerry hofstad 86 copper p.o. box 1565 Evansville, WY 82636	Insulation	jerry hofstad Phone: (307) 472-4112 Fax: (307) 472-1906	Filled 4/23/2012	Download - N/A (Downloads or Other)
Kansas Construction News Report 230 Laura Ste 101 PO Box 195 Wichita, KS 67211	PLAN ROOM	Laura Robben Phone: (316) 263-0265 Fax: (316) 263-0267	Filled 4/13/2012	Ship - UPS Ground
Lee Davies Architecture 1212 Burlingtion Blvd North Platte, Nebraska 69101	Architect	Lee Davies Phone: (308) 530-9138 Fax: (123) 123-3456	Filled 4/13/2012	Ship - UPS Ground
Lincoln Builders Bureau 5910 S. 58 St Suite C	PLAN ROOM	Rhonda Gutknecht Phone: (402) 421-8332	Filled 4/13/2012	Delivery - A & D Delivery Lincoln

Lincoln, NE 68516		Fax: (402) 421-8334		
Malcom Roofing 3418 ave E Kearney, Nebraska 68847	Roofing / Siding	John Malcom Phone: (308) 830-2449 Fax: (308) 234-2042	Filled 4/13/2012	Ship - UPS Ground
Masonry Unlimited 3610 Ave I Kearney, NE 68847	Masonry	Dan Gray Phone: (308) 338-1078 Fax: (308) 338-8156	Filled 4/13/2012	Ship - UPS Ground
Mcgraw Hill Dodge/Arkansas 3315 Central Ave. Hot Springs, AR 71913	PLAN ROOM	plan room Phone: (817) 375-2959 Fax: (501) 625-3544	Filled 4/13/2012	Ship - UPS Ground
Mitchell Drywall Inc. 206 W Fremont Drive PO BOx 1329 North Platte, NE 69103	Drywall	Mary Mitchell Phone: (308) 534-4830 Fax: (308) 534-3078	Filled 4/13/2012	Ship - UPS Ground
Morland Enterprises LLC 5101 Scouts Rest Ranch Road North Platte, NE 69101	PLUMBING	Charlie Morland Phone: (308) 534-7040 Fax: (308) 534-4271	Filled 4/13/2012	Ship - UPS Ground
Omaha Builders Exchange 4255 S. 94th St Omaha, NE 68127	PLAN ROOM	Jill Zehr Phone: (402) 593-6908 Fax: (402) 593-6912	Filled 4/13/2012	Delivery - A & D Delivery Omaha
Paulsen, Inc. 1116 East Highway 30 Cozad, NE 69130	GENERAL	Joe Welch Phone: (308) 784-3333 Fax: (308) 784-3110	Filled 4/18/2012	Ship - UPS Ground
Platte Valley Electric - Nebraska 502 West Front Street North Platte, NE 69101	ELECTRICAL	DOUGLASS PARKS Phone: (308)532-7259 Fax: (308)532-0972	Filled 4/13/2012	Ship - UPS Ground
Reed Construction Data 30 Technology Pkwy So. Ste. 500 Norcross, GA 30092	PLAN ROOM	Karen Almodovar Phone: (800) 699-8640 Fax: (800) 508-5370	Filled 4/13/2012	Ship - UPS Ground
Select Carpet and Tile 501 E Francis St PO Box 676 North Platte, NE 69103	Flooring	Gregg Phone: (308) 534-5000 Fax: (308) 534-5001	Filled 4/20/2012	Ship - UPS Ground
Select Carpet and Tile 501 E Francis St PO Box 676 North Platte, NE 69103	Flooring	Gregg Phone: (308) 534-5000 Fax: (308) 534-5001	Filled 4/20/2012	Ship - UPS Ground
Snell Services 2220 West Front Street North Platte, NE 69103	Mechanical/Electrical	Katie Fenton Phone: (308) 532-6874 Fax: (308) 534-0804	Filled 4/13/2012	Ship - UPS Ground
Steele's Roofing & Construction, Inc. 1721 East 6th Street North Platte, NE 69101	GENERAL	Scott Skala Phone: (308) 532-0575 Fax: (308) 534-6268	Filled 4/13/2012	Ship - UPS Ground
Thompson Masonry 1851 County Road 4 Yutan, NE 68073	Masonry	Jean Thompson Phone: (402) 689-0831 Fax: (402) 625-2778	Filled 4/18/2012	Download - N/A (Downloads or Other)
Wayne Dowhower Construction Inc. 1500 E 6th St North Platte, NE 69101	GENERAL	Galvin Parker Phone: (308) 532-9388 Fax: (308) 532-9389	Filled 4/13/2012	Ship - UPS Ground
Weathercraft Co of North Platte PO Box 1949 2401 E 8th St North Platte, NE 69103	Roofing	Fred Savoia Phone: (308) 534-3480 Fax: (308) 532-4625	Filled 4/13/2012	Ship - UPS Ground

Modern Muffler Auto Center
& Super Suds Car Wash
1402 South Dewey Street
North Platte Nebraska

LEE DAVIES ARCHITECTURE

PROJECT #12-037

Thursday, April 19, 2012 at 10:00 am

Pre-Bid Walk Through Sign In Sheet

Company	Address	Phone	Email
Kirk Nichols Consulting		530-3963	
Steele's Roofing & Construction		532-0575	scottsteeleconst@msn.com
Ken Kaskie	602 East Walker Road	534-5131	ken.kaskie@twinriverstesting.com
Bob M	425 East 35th Street Kearney	308-238-4726	tevormcaley@hotmail.com
Mike Robb	2220 West Front Street	532-6870	mikerobb@windstream.net
Snell Services		532-6870	bmorrison2@windstream.net
Mitchell Drywall	206 West Fremont Drive	534-4830	contactus@mitchelldrywall.net
Dowhower Construction	1500 East 6th Street	532-9388	gdparker@windstream.net
Platte Valley Electric	502 East 8th Street	534-1201	rogeranderson621@gmail.com
AJ Sheetmetal	910 East 8th	532-1500	steen@a-jsheetmetal.com
Larry's Glass	211 West 5th	532-7675	larrysglass@glassandalotmore.net
Garden Glove	1800 East 12th	532-8821	gardenglove@internet-usa.net
Weathercraft		534-3480	fred@roofwcohd.com