Application for URBAN DESIGN COMMITTEE Review

Department of Planning and Development Review
Planning & Preservation Division
900 E. Broad Street, Room 510
Richmond, Virginia 23219
(804) 646-6335
http://www.richmondgov.com/CommitteeUrbanDesign

Application Type

- ☑ Addition/Alteration to Existing Structure
- ☑ New Construction
- ☐ Streetscape
- ☐ Site Amenity
- ☐ Encroachment
- ☐ Master Plan
- ☐ Sign
- ☐ Other

Review Type

- ☐ Conceptual
- ☑ Final

Project Name: Richmond DPW N. Hopkins Road

Project Address: 3502 N. Hopkins Road Richmond, VA 23224

Brief Project Description (this is not a replacement for the required detailed narrative) : For this development, the existing radio shop at the N. Hopkins Rd. Complex will be renovated and expanded to approximately 18,000 S.F. in order to include more office space. This development also includes the construction of a new office/warehouse building that will serve as the Traffic Signal/Sign Shop that will be approximately 28,800 S.F.

Applicant Information

(on all applications other than encroachments, a City agency representative must be the applicant)

Name: Dexter Goode Email: louis.goode@richmondgov.com

City Agency: DPW Capital Projects Phone: 646-7531

Address: 900 E. Broad Street, Richmond VA 23219

Main Contact (if different from Applicant): _____

Company: _____ Phone: _____

Email: _____

Submittal Deadlines

All applications and support materials must be filed no later than 21 days prior to the scheduled meeting of the Urban Design Committee (UDC). Please see the schedule on page 3 as actual deadlines are adjusted due to City holidays. **Late or incomplete submissions will be deferred to the next meeting.**

Filing

Applications can be mailed or delivered to the attention of "Urban Design Committee" at the address listed at the top of this page. **It is important that the applicant discuss the proposal with appropriate City agencies, Zoning Administration staff, and area civic associations and residents prior to filing the application with the UDC.**

UDC Background

The UDC is a ten member committee created by City Council in 1968 whose purpose is to advise the City Planning Commission on the design of projects on City property or right-of-way. The UDC provides advice of an aesthetic nature in connection with the performance of the duties of the Commission under Sections 17.05, 17.06 and 17.07 of the City Charter. The UDC also advises the Department of Public Works in regards to private encroachments in the public right-of-way.

Dewberry Engineers Inc.
4805 Lake Brook Drive, Suite 200
Glen Allen, VA 23060-9278
804.290.7957
804.290.7928 fax
www.dewberry.com

March 19, 2015

Urban Design Committee
Department of Planning and Development Review
Planning & Preservation Division
900 E. Broad Street, Room 510
Richmond, VA 23219

RE: City of Richmond Department of Public Works – N. Hopkins Road Complex

Dear Urban Design Committee:

The City of Richmond Department of Public Works is submitting this application for final approval of the construction of one (1) new building and renovation of a second building on the Hopkins Road Complex. The Conceptual Plan was reviewed and approved conditionally by the UDC at the March 5th meeting with the following comments:

- The final plans include a landscaping plan, showing plant species, quantity, location and size at the time of installation.
- That the applicant considers planting an allee of trees in the planting strips on either side of the central corridor of the site.
- That the final plans include a lighting plan, showing make, model and finish for any light pole and fixture, as well as fixture light source and color temperature.
- That the outdoor employee break area adjacent to the Traffic Signal/Sign Shop building be located in a landscaped area (either planted or taking advantage of existing vegetation).
- That a similar outdoor employee break area be located adjacent to the Radio Shop.
- That the applicant considers proving wayfinding signage internal to the site to direct visitors to the various buildings on site.

The site design team has considered and addressed each of these comments and provides the following responses:

- The final site plans include a detailed landscape plan and planting schedule specifying plant type, size and quantity. The final landscape design incorporates Red Maple and Japanese Zelkova trees in landscape islands around the new development area. Northern Bayberry and Red Knock Out Rose shrubbery are also within the interior landscape islands.
- The design team considered including trees along the central site road and the final site plan calls for Northern Bayberry shrubs along the entrance road to provide an “allee feel”. However, larger plants are not possible along this corridor due to overhead power lines and underground gas lines along the eastern side of the road and an underground sanitary sewer line on the western side. The landscape designer referenced the “Protecting Trees Procedure” document dated July 27, 2011 which was drafted as a joint venture between the City Departments of Public Utilities and

Public Works. The document addresses the potential conflict between urban plantings and overhead/underground utilities and outlines specific clearances surrounding the utilities. The landscape design team took these specifications into consideration and included Crape Myrtle 'Natchez' trees, considered small trees by the "Protecting Trees Procedure" document, along the site entrance road. However, the specifications call for small trees to be no less than two (2) lateral feet from any underground water line, gas, sewer or stormwater line, or streetlight utility. These specified clearances combined with the proposed fence located within the island on the side of the Proposed Traffic Signal building, do not allow for uniform planting of trees within this area. The landscape design includes 26 Crape Myrtle 'Natchez' trees spaced an average of 20' on center, where possible, to create an allee along the entrance road.

- The final site plan calls for the addition of three freestanding (3) light poles on the site. Two (2) will be on the Building 4 portion of the project and one (1) additional light pole in the rear of Building 3. The fixtures will be Cimarron LED fixtures, matching the existing fixtures and poles on site. The lighting temperature is specified as 3000k. Cut sheets for this fixture are attached to this submittal. In addition to freestanding light poles, the buildings will include wall packs to light the areas adjacent to the building. Cut sheets for these fixtures are also attached to this submittal. Fixture and pole colors will be selected to blend with the surrounding development and proposed building facades.

- The outdoor break area associated with Building 4 has been located in a landscape area between Buildings 4 and the existing building. These break area will service both buildings and the landscape plan includes a shade tree to provide cover.

- A similar outdoor break area has been included in the rear of the Radio Shop expansion. Landscape treatments to add interest and shade are also reflected in the landscape plan.

- Wayfinding signage has been incorporated into the final site plan. This signage is intended to direct employees to the new facilities.

As part of the project design process, the Department of Public Works, in conjunction with the design team, performed a cost estimate of the conceptual design documents. The results of that estimate showed the project to be approximately $1.5 million over the approved project budget. In order to align the budget and proposed features, minor architectural revisions were made. The Building 3 addition no longer includes splitface CMU. Instead, the building will be metal panel, matching the existing exterior conditions. Also, the direction of the roof slope on the addition has been changed from a single slope pitched away from the existing building to a dual slope roof. The roof on the Building 3 addition was modified to address structural concerns.

The revised exterior treatment of Building 4 has removed the splitface CMU block from the high-bay (eastern) portion of the building, but has been retained on the lower bay (western) portion facing Hopkins Road. Additionally, a canopy has been extended from the east face of the building to provide protection for bucket trucks.

The latest building interior plan reflects three (3) interior offices – all located within the existing portion of the building. The current architectural plan indicates the "System Manager" office has existing windows and access to natural light. The "Supervisor" and "Supervisor 2" offices have windows that provide views into the installation areas. The existing roof in the installation areas have opaque panels that allow natural light into the space. Both supervisor offices will have access to natural light via these windows and panels.

Construction Schedule

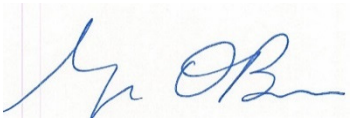
The construction schedule remains unchanged from the Conceptual Design submittal. Construction is slated to commence in June 2015. The relocation of City operations and occupancy of the new facilities is scheduled to occur in December 2015. After the occupation of the new facilities at both the Commerce Road Complex and the N. Hopkins Road Complex, building abatement and demolition, soil remediation and general site work will proceed on the Boulevard / Parker Field Complex.

Project Budget and Funding Sources

As stated previously, Conceptual Design construction estimates for both the N. Hopkins Road and Commerce Road sites exceed the approved project budget by approximately $1.5 million. The Department of Public Works and design team are working to reduce the scope and align costs with the approved budgets. Due to site constraints, there is limited opportunity to reduce construction costs on the Hopkins Road portion of the project and reductions have been made to the architectural treatment of the buildings without sacrificing quality.

The Commerce Road Complex and N. Hopkins Road Complex projects are considered one project in the City budget. The total project construction budget inclusive of Commerce Road and N. Hopkins Road is estimated to be $8 million, utilizing funding source 500598-50001-0601-1122-SV0400-102952.

Sincerely,



Meaghan O'Brien, PE
Project Manager

PLANT SCHEDULE

KEY	QUANTITY		NAME	SIZE	REMARKS	SPACING
DECIDUOUS TREES						
AR	8		ACER RUBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE	2 1/2" CAL.	B&B	PER PLAN
ZS	7		ZELKOVA SERRATA JAPANESE ZELKOVA	2 1/2" CAL.	B&B	PER PLAN
CM	26		LAGERSTROEMIA 'NATCHEZ' NATCHEZ CRAPEMYRTLE	2" CAL.	B&B	PER PLAN
SHRUBS						
MP	102		MYRICA PENSYLCANICA NORTHERN BAYBERRY	2' HT.	CONT.	PER PLAN
RR	58		ROSA RADRAZZ 'RED KNOCK OUT' RED KNOCK OUT ROSE	2' HT.	CONT.	PER PLAN

MATERIAL LEGEND

- HEAVY DUTY PAVEMENT
- LIGHT DUTY POROUS PAVEMENT
- NEW BUILDINGS
- LANDSCAPED AREAS
- NEW CONCRETE AREAS
- SITE STORAGE AREAS
- STORMWATER MANAGEMENT AREA
- EXISTING ASPHALT

nbj ARCHITECTURE
A Professional Limited Company
GROVE PARK SQUARE
11537-B NUCKOLS ROAD
Glen Allen, Virginia 23059
☎ (804) 273-9811 fax: (804) 273-9843

Dewberry
Dewberry Engineers Inc.
4805 Lake Brook Drive, Suite 200
Glen Allen, Virginia 23060
PHONE 804.965.7600
FAX 804.965.7607
www.dewberry.com

CITY OF RICHMOND
FOUR NEW DPW FACILITIES
COMMERCE AND HOPKINS ROAD

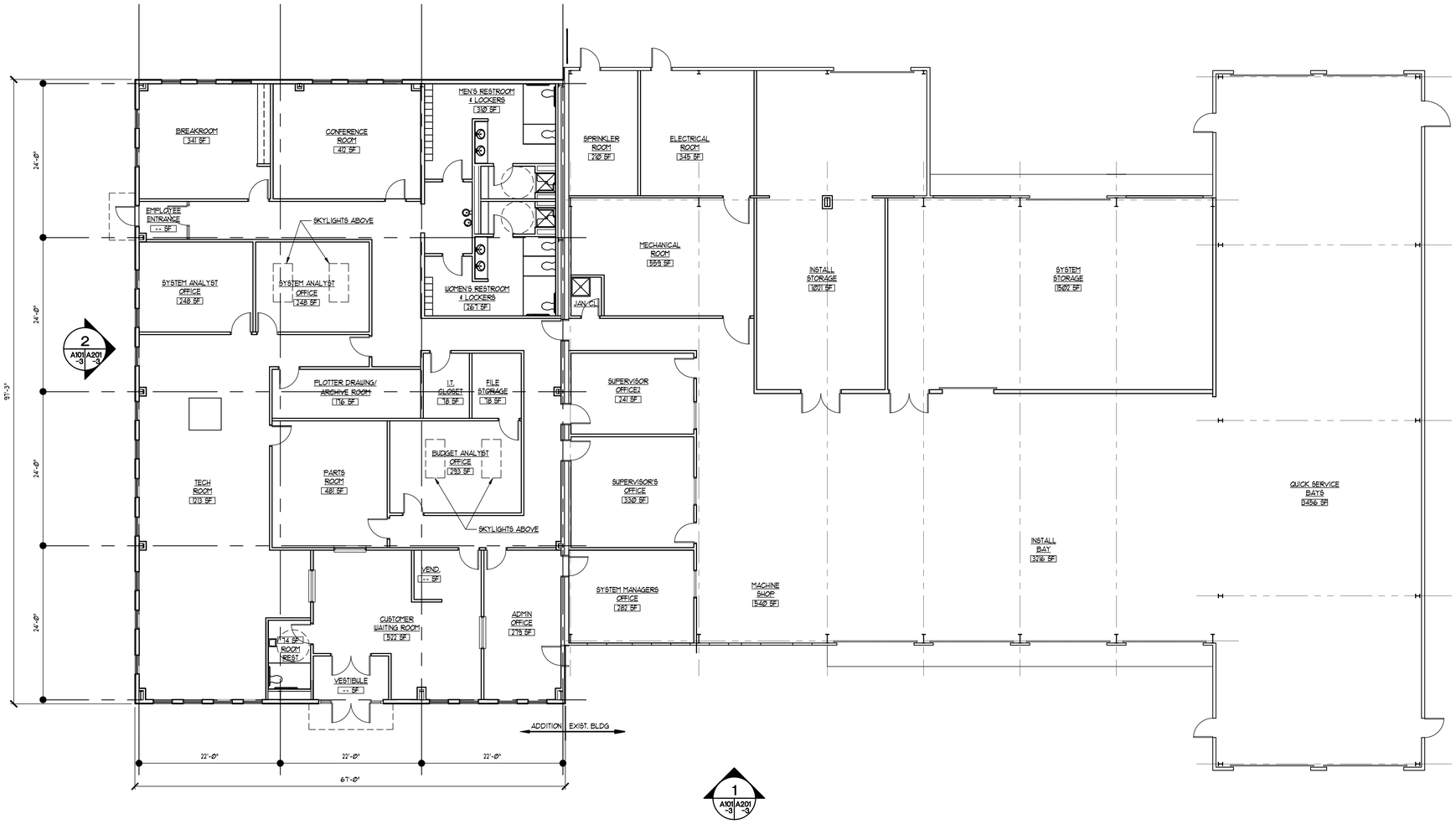
SITE + LANDSCAPING PLAN
NORTH HOPKINS ROAD

Date: MARCH 2015

REVISIONS	
NO.	DATE

Sheet 1B

File Name
B - SITE + LANDSCAPING PLANS.dwg



1 A101 3 | A101 3 BUILDING 3 – RADIO SHOP FLOOR PLAN

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

0 1 5 10 20 30

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

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Glen Allen, Virginia 23059
(804) 273-9811 fax: (804) 273-9843

CITY OF RICHMOND
FOUR NEW DPW FACILITIES
HOPKINS ROAD COMPLEX
RICHMOND, VA 23224
PC:O-28651

BUILDING 3
RADIO SHOP
FLOOR PLAN

Date:
FEBRUARY 20, 2015

REVISIONS	
NO.	DATE

SCHEMATIC DESIGN SUBMISSION

Sheet
A101-3

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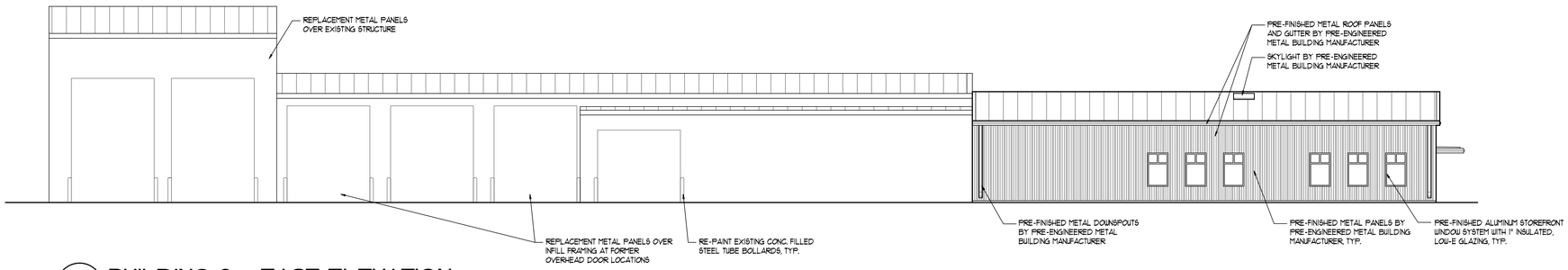
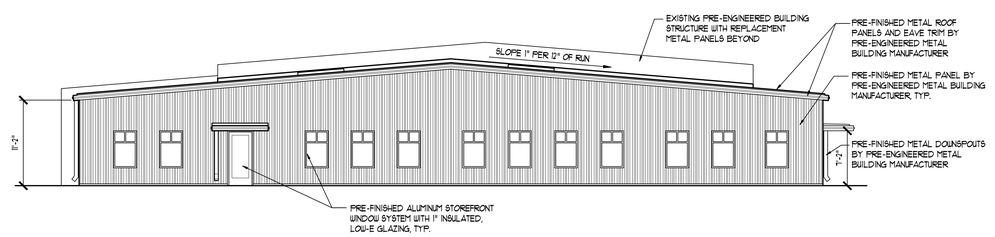


3 A101 A201 3|3 BUILDING 3 – EAST ELEVATION

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

Ø 1 5 10 20 30

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

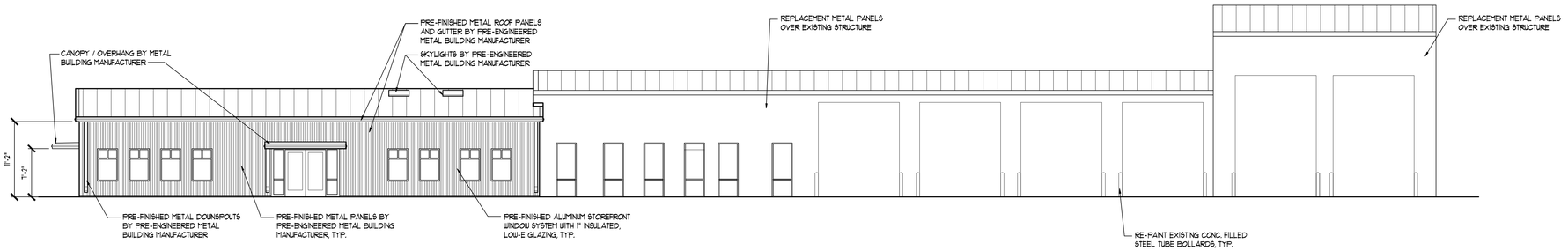


2 A101 A201 3|3 BUILDING 3 – NORTH ELEVATION

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

Ø 1 5 10 20 30

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



1 A101 A201 3|3 BUILDING 3 – WEST ELEVATION

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

Ø 1 5 10 20 30

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

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CITY OF RICHMOND
FOUR NEW DPW FACILITIES
HOPKINS ROAD COMPLEX
RICHMOND, VA 23224
PC:O-28651

BUILDING 3
RADIO SHOP
ELEVATIONS

Date:
APRIL 01, 2015

REVISIONS

NO.	DATE

Sheet
A201-3

File Name
H-DPW A201-3.DWG

NORTH ELEVATION

PRE-FINISHED METAL PANEL

WEST ELEVATION

CITY OF RICHMOND
FOUR NEW DPW FACILITIES
COMMERCE AND HOPKINS ROAD
BUILDING - 3

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PRE-FINISHED METAL PANEL

EAST ELEVATION

CITY OF RICHMOND
FOUR NEW DPW FACILITIES
COMMERCE AND HOPKINS ROAD
BUILDING - 3

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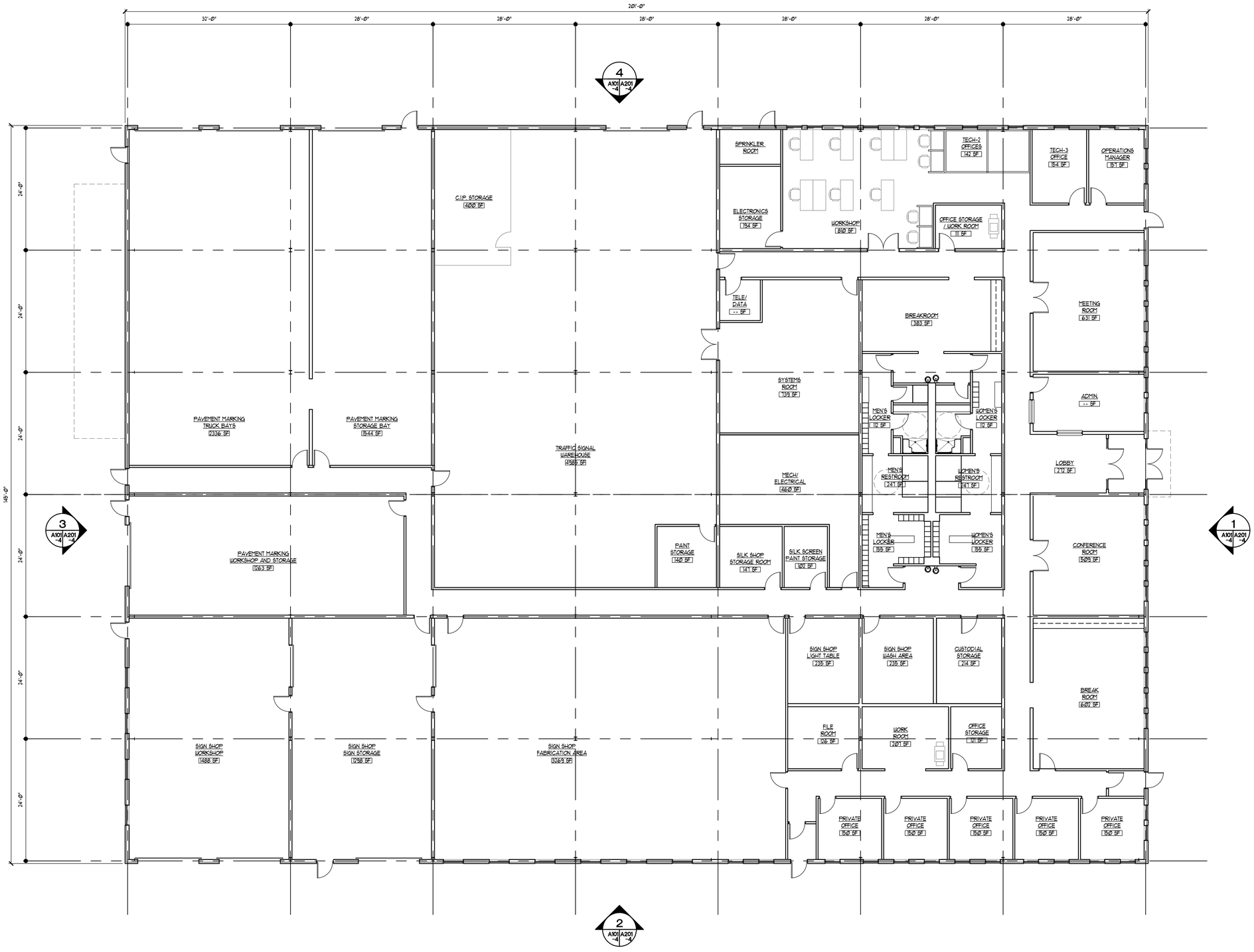

1 A101 | A101 4.4

BUILDING 4 - SIGN AND PAVEMENT PARKING SHOPS AND TRAFFIC SIGNAL SHOP FLOOR PLAN

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

0 1 5 10 20 30

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

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RICHMOND, VA 23224
PC:O-28651

BUILDING 4
SIGN AND PAVEMENT MARKING
SHOPS AND TRAFFIC SIGNAL
SHOP FLOOR PLAN

Date:
FEBRUARY 20, 2015

REVISIONS	
NO.	DATE

SCHEMATIC DESIGN SUBMISSION

Sheet
A101-4

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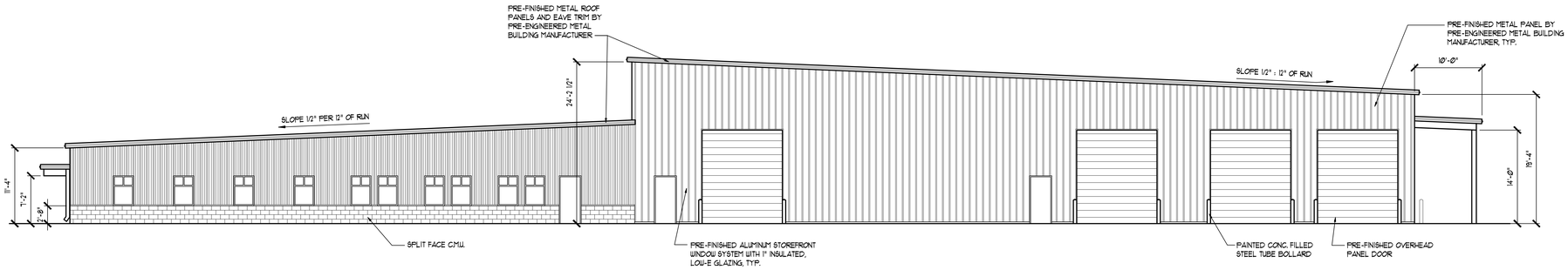
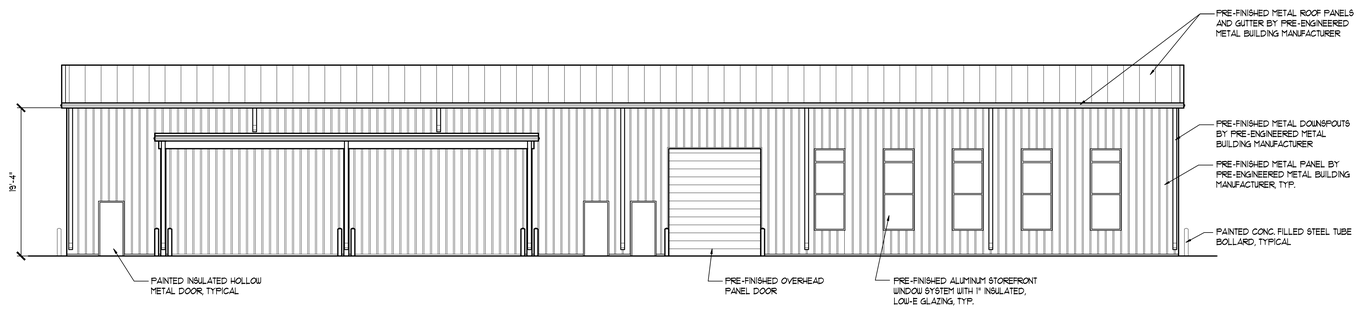


4 A101 A201 4/4 BUILDING 4 – SOUTH ELEVATION

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

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



3 A101 A201 4/4 BUILDING 4 – EAST ELEVATION

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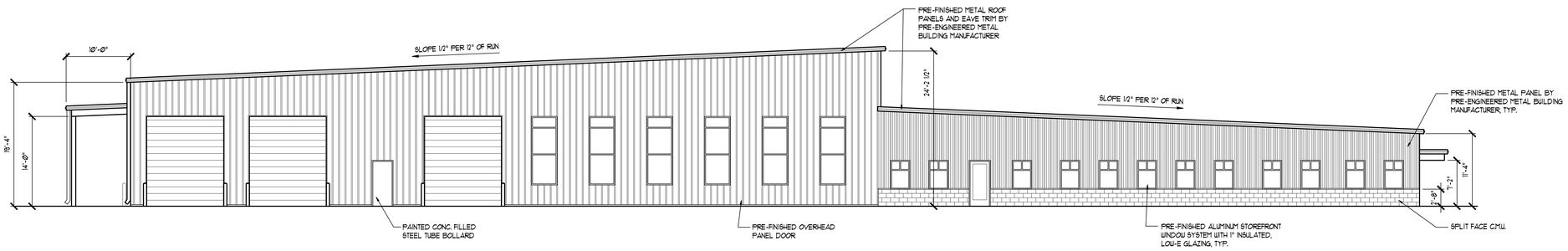
SCALE: 1/8" = 1'-0"



2 A101 A201 4/4 BUILDING 4 – NORTH ELEVATION

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

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

1 A101 A201 4/4 BUILDING 4 – WEST ELEVATION

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

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

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BUILDING 4
SIGN AND PAVEMENT MARKING
SHOPS AND TRAFFIC SIGNAL
SHOP ELEVATIONS

Date:
FEBRUARY 20, 2015

REVISIONS

NO.	DATE

SCHEMATIC DESIGN SUBMISSION

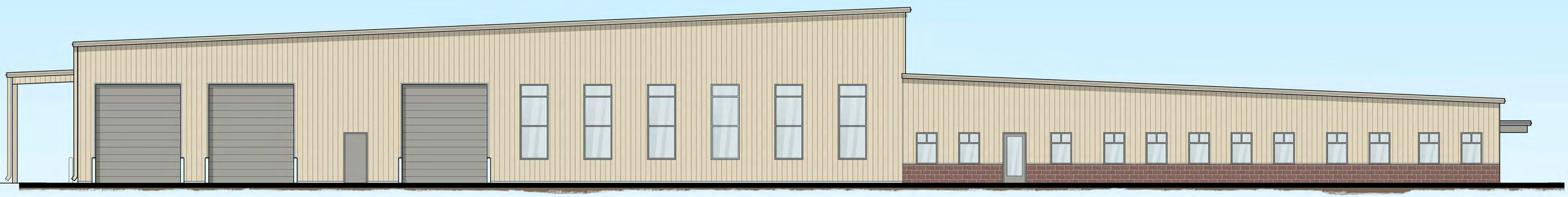
Sheet
A201-4

File Name
H-DPW A201-4.DWG

PRE-FINISHED METAL PANEL

SPLIT FACE C.M.U

WEST ELEVATION



NORTH ELEVATION

CITY OF RICHMOND
FOUR NEW DPW FACILITIES
COMMERCE AND HOPKINS ROAD
BUILDING - 4

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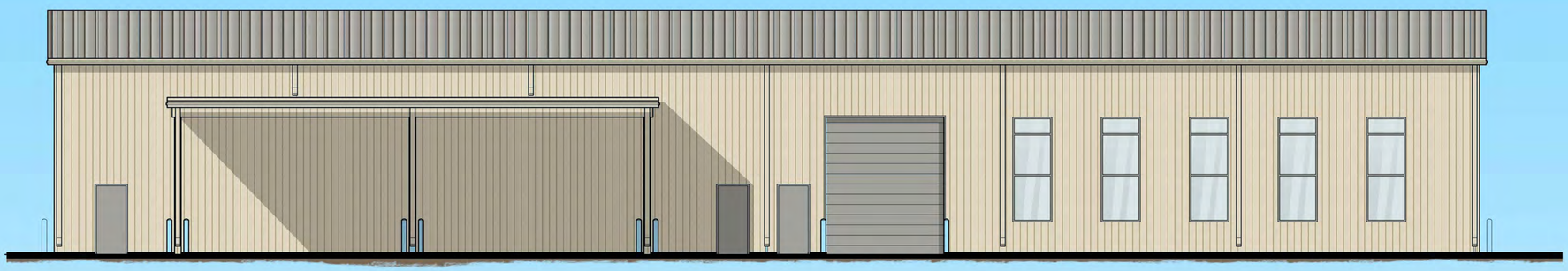
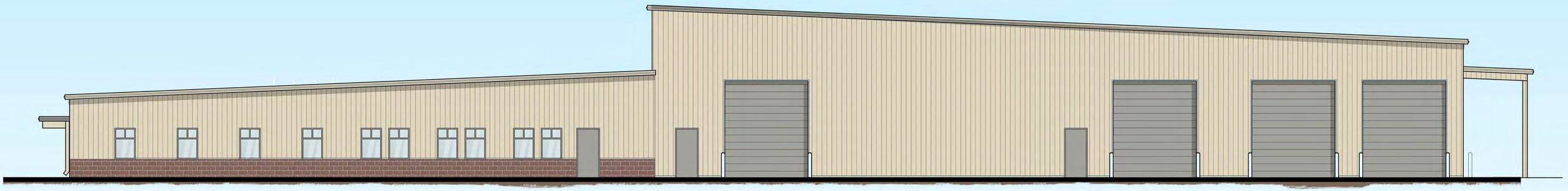


PRE-FINISHED METAL PANEL

SPLIT FACE C.M.U

EAST ELEVATION



SOUTH ELEVATION

CITY OF RICHMOND
FOUR NEW DPW FACILITIES
COMMERCE AND HOPKINS ROAD
BUILDING - 4

nbj ARCHITECTURE

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TRP LED ARCHITECTURAL WALLPACK

NEW

Cat.#		SPAULDING LIGHTING
Job	Type	Approvals

SPECIFICATIONS

Applications:
- Architectural wallpack in stylish Trapezoid shape with molded contours to accentuate building architecture. Provides excellent illumination in energy-saving LED systems.

Construction:
- Die-cast aluminum housing and door
- Seven powder coat standard finishes, plus custom color options

LED:
- 30 high power LEDs deliver up to 5,062 lumens
- Up to 105 lumens per watt
- Variety of IES distribution patterns - Type II, III, and IV (Forward Throw)
- 3000K - 80 CRI, 4000K - 70 CRI, and 5000K - 67 CRI, CCT nominal

Operating Temperature:
- -40°C/-40°F to 40°C/104°F for 350mA
- -30°C/-22°F to 40°C/104°F for 530mA

Electrical:
- Two driver options: 34w at 350mA (1 driver) and 53w at 525mA (1 driver)
- 120-277VAC, 50/60Hz
- Power factor ≥ 90%

Electrical (Cont.):
- THD (Total Harmonic Distortion) <20%
- 10 KA, 10 KV, 270 joules surge suppressor

Controls:
Drivers are 0-10V dimming standard. Photocell and occupancy sensor options available for complete on/off and dimming control.

Listings:
- UL1598 listed for use in wet locations
- 4K and 5K models meet DesignLights Consortium (DLC) qualifications, consult DLC website for more details: http://www.designlights.org/QPL
- Zero uplight (U0), dark sky, neighbor friendly
- Drivers IP66 and RoHS compliant

TRP-BBU Egress Wallpack:
Designed to meet strict 1fc minimum requirements. At 12ft mounting height 1fc covers 16x16ft area, well beyond the 10x10ft standard; No uplight, external test button; 120V or 277V only; Rated -20°C to 35°C

Warranty:
For more information visit: http://www.hubbelloutdoor.com/resources warranty/

PRODUCT IMAGE(S)

TRP

TRP with Motion Sensor

TRP with BBU

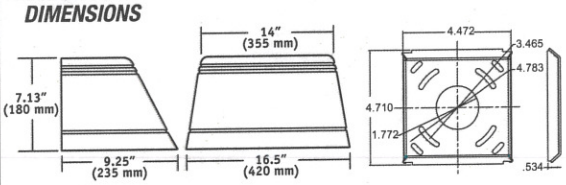
SHIPPING INFORMATION

Catalog Number	G.W(kg)/ CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
TRP	16 (7.3)	18.5 (47)	9.5 (24)	11.5 (29)

CERTIFICATIONS/LISTINGS

c UL us · jda · LED · DLC QPL LISTED

DIMENSIONS



Weight: 13.2 lbs 5.98 kg

Mounting Plate Dimensions

ORDERING INFORMATION

ORDERING EXAMPLE: TRP-30L5K-053-2-U-DB

CHOOSE

TRP	-	30L	-	3K	-	035	-	2	-	U	-	GR	-		-	
FAMILY		# OF LEDS		CCT		DRIVE CURRENT		DISTRIBUTION		VOLTAGE		FINISH		CONTROL OPTIONS		OPTIONS

FAMILY
- TRP Trapezoid

 # OF LEDS
- 30L 30 High brightness LEDs

CCT
- 3K[4] 3000K
- 4K 4000K
- 5K 5000K

DRIVE CURRENT
- 035[6] 350mA
- 053 525mA

DISTRIBUTION
- 2 Type II
- 3[6] Type III
- 4 Type IV

VOLTAGE
- U 120V-277V
- 1[1,6] 120V
- 2[1] 208V
- 3[1] 240V
- 4[1,6] 277V

FINISH
- CC[3] Custom Color
- BL Black
- DB Bronze
- FG Forest Green
- GR Gray
- PS Platinum
- RD Red
- WH White

CONTROL OPTIONS
- PC[1] Photocontrol (Must specify individual voltage)
- SCO[2,5] Motion sensor On/Off control, No light output when no motion detected
- SCP[2,5] Programmable motion control, factory default is 10% light output

Controls Guide

OPTIONS
- BBU[1,6] Integral battery for 120 or 277V only rated for -20°C to 35°C (Must specify individual voltage)
- F[1] Fusing (Must specify individual voltage)

[1] Must specify individual voltage for BBU, PC and Fusing options
[2] Must order minimum of one remote control to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120V or 277V only
[3] Consult factory for Custom Color option
[4] DLC qualification 4K and 5K models only
[5] PC option not applicable, included in sensor.
[6] BBU only available in TRP, 350mA, Type III, 120V or 277V

ACCESSORIES - Order separately

Catalog Number	Description
SCP-REMOTE[2]	Remote control for SCP option. Order at least one per project to program and control.

CIMARRON LED

Cat.#

Job

Type

SPAULDING LIGHTING

Approvals

SPECIFICATIONS

Construction:
- Stylish vertically finned die-cast solid top housing for maximum heat dissipation; Stops collection of unsightly debris from gathering on top of the housing
- Rugged lower die-cast aluminum heat sink accelerates thermal management and optimizes PCB and optical performance
- Separate optical and electrical compartment for optimum component operation
- One piece die cut silicone gasket ensures weather proof seal around each individual LED for IP65 rating
- Backlight Control (BC) option available for 85% spill light reduction, doesn't change fixture appearance or EPA, recommended for Type III and Type IV distributions
- Stamped bezel provides mechanical compression to seal the optical assembly
- Complements the Hubbell Southwest series of outdoor fixtures
- Weight - 45.0 pounds, EPA - 1.3 ft^2
- Suitable for applications requiring 3G testing prescribed by ANSI C136.31

Optics:
- Choice of 72 high brightness LED configurations with individual acrylic lenses specially designed for IES Type II, III, IV and V distributions
- Auto optics designed for front row 1A and interior rows 2A (see distribution under ordering and page 2)
- CCT: 3000K (80 CRI), 4000K (70 CRI), 5100K (67 CRI), and turtle friendly Amber LED options
- CRI: 70

Electrical:
- Universal input voltage 120-277 VAC, 50/60 Hz
- Integral step-down transformer for 347V & 480V
- Ambient operating temperature -40˚ C to 40˚ C
- Automatic thermal self-protection
- Drivers have greater than 90% power factor and less than 10% THD
- Optional continuous dimming to 10% or dual circuitry available
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- 1050 mA driver available with 90L configuration for increased lumen output
- LED electrical assembly, including PR devices, consumes no power in the 'off' state
- Field replaceable surge protection device provides 20KA and 10KV protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3. The SPD is designed with a clamping voltage of 1600V at 20KA using industry standard 8/20µs waveform.

Controls:
- Drivers are 0-10V dimming standard. Photocell and occupancy sensors available for complete on/off and dimming control

Lumen maintenance:
- L90 at 60,000 hours (Projected per IESNA TM-21-11)

Installation:
- Two die-cast aluminum arm designs: The decorative arm offers a sleek upswept look while the straight arm follows the housing's contoured lines for continuity of style
- Fixture ships with arm installed for ease of installation and mounts to #2 drill pattern
- Wall bracket, mast arm fitter and pole accessories are also available allowing easy mounting for virtually any application

Finish:
- TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness

Warranty:
Five year limited warranty (for more information visit: http://www.hubbelloutdoor.com/resources/warranty/

Listings:
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations
- Models meet DesignLights Consortium (DLC) qualifications, consult DLC website for more details: http://www.designlights.org/QPL
- IDA approved • IP65

CERTIFICATIONS/LISTINGS

C SP US · IDA APPROVED · LED · LED lighting facts LED Product Partner · DLC QPL LISTED · Turtle Friendly

PRODUCT IMAGE(S)

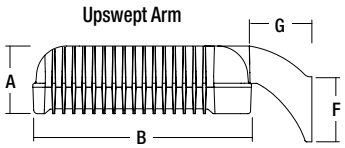

90 LED 3/4 VIEW

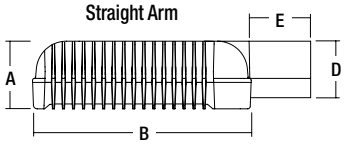

30 LED

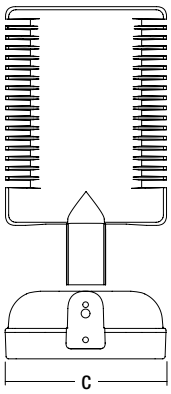

60 LED


90 LED

DIMENSIONS







A	B	C	D	E	F	G
6 3/4" 171mm	21 3/4" 552mm	16" 406mm	6 5/8" 168mm	6 5/16" 160mm	5 5/8" 143mm	6 1/8" 155mm

ORDERING INFORMATION SEE NEXT PAGE

HUBBELL Lighting

ORDERING INFORMATION ORDERING EXAMPLE: CL1-A-90LU-5K-3-DB-RPA3

CL1	-	A	-	90L	X	-	3K	-	2	-		-	XX	-	

SERIES
CL1 Cimarron LED

NO. OF LEDS
90L 90 High brightness LEDs
60L 60 High brightness LEDs
30L 30 High brightness LEDs

MOUNTING
A Arm mount construction (6" straight rigid arm included & acceptable for 90° configurations)
AD Decorative arm mount const. (6" decorative upswept arm incl. & acceptable for 90° configurations)
MAF Mast arm fitter for mounting to standard 2 3/8" mast arm bracket, includes 6" straight rigid arm

VOLTAGE
U[3] Universal 120V-277V, 50/60 Hz
1 120V
2 208V
3 240V
4 277V
5 480V, 60 Hz
F 347V, 60 Hz
E[4] 220V, 50 Hz

CCT
3K 3000K
4K 4000K
5K 5100K
AM[7] Amber (590 nm available for "Turtle Friendly" applications (consult factory)

DISTRIBUTION
2 Type II
3 Type III
4 Type IV
5M Type V Medium
5S Type V Short
5W Type V Wide
2L Type II Rotated 90° left
3L Type III Rotated 90° left
4L Type IV Rotated 90° left
2R Type II Rotated 90° right
3R Type III Rotated 90° right
4R Type IV Rotated 90° right
1A Auto Front Row Type I
1AR Auto Front Row Type I Rotated 90° right
1AL Auto Front Row Type I Rotated 90° left
2A Auto Front Row Type II
2AR Auto Front Row Type II Rotated 90° right
2AL Auto Front Row Type II Rotated 90° left

DRIVE CURRENT
Leave blank for 700mA (standard)
035 350mA Amber CCT only
105 1050 mA (use with 90L only for higher lumen output)

COLOR
DB Dark Bronze
BL Black
WH White
GR Gray
PS Platinum Silver
RD Red (premium color)
FG Forest Green (premium color)
CC Custom Color

OPTIONS
BC[6] Backlight control
BL[1,2,5] Bi-level control
CD[2] Continuous dimming
WB Wall bracket
RPA3 3" Round pole adapter
RPA4 4" Round pole adapter
RPA5 5" Round pole adapter
RPA6 6" Round pole adapter
F(X)[3,4] Fusing (replace X with voltage: 1-120V, 2-208V, 3-240V, 4-277V, 5-480V, 6-347V)
SSB Stainless steel LED bezel
VG Vandal guard

CONTROL OPTIONS
SCPW Wide Lens
WIR WiSCAPE
WIRPC WiSCAPE motion control
TCM TOTUS control module
SCP[8,9] Programmable motion control, factory default is 10%
Controls Guide

PR(X)[5] NEMA Photo cell receptacle (replace X with voltage: U=120-277, 5=480, 6 =347)

Notes: 1- For BL option 90L and 60L; N/A 347V & 480V
2 - BL & CD cannot be combined
3 - Fuse option not available with universal voltage
4 - Select F3 fusing option for 220V
5 - Photocell receptacle not available with BL option
6 - Recommended for Type III and IV distributions only
7 - Available in 350mA drive current only Type IV, 5M
8 - 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, must order minimum of one remote control to program dimming settings (see accessories)
9 - 120V/277V/347V/480V only

ENERGY SAVING DATA

ENERGY DATA	
Power Factor	>.9
Total Harmonic Distortion	<10%

LIGHT ENGINE	INPUT WATTS		LUMENS DELIVERED						DRIVERS CURRENT
	120V-277V	347V-480V	TYPE 2	TYPE 3	TYPE 4	TYPE 5M	TYPE 5S	TYPE 5W	
30L-5K	70	87	6384	6164	6641	7108	6999	6619	2@700mA
60L-5K	140	157	13300	12842	13125	13185	13675	12954	4@700mA
90L-5K	210	227	19684	19006	19202	20592	19610	18973	6@700mA
90L-5K-105	336	363	26974	25351	26548	25793	27445	25195	6@1050mA
30L-4K	70	87	6089	6109	6104	6417	6439	6046	2@700mA
60L-4K	140	157	11583	11468	12036	12038	12581	11807	4@700mA
90L-4K	210	227	17143	16973	17648	18521	20220	17394	6@700mA
90L-4K-105	336	363	23896	23912	24199	24583	25357	23128	6@1050mA
30L-3K	70	87	4606	4668	4686	4858	4902	4601	2@700mA
60L-3K	140	157	9013	9175	9216	9409	9461	8844	4@700mA
90L-3K	210	227	13360	13601	13575	13923	14004	13902	6@700mA
90L-3K-105	336	363	17645	17612	17469	17950	18271	17330	6@1050mA

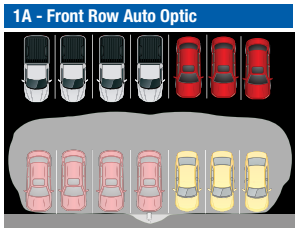
AUTOMOTIVE DEALERSHIP OPTICS

For Automotive Dealership applications Spaulding Lighting has developed two optics designed for enhanced and proper lighting of the auto dealership merchandise and the front row 1A and interior rows 2A (See CL1 distribution information for details)

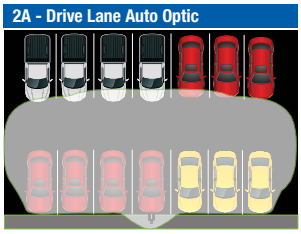
Optic 1A
- Maximum illumination on front row display
- Maximum pole spacing

Optic 2A
- Excellent front row illumination and drive lane
- Optimal uniformity for drive lane and interior rows

1A - Front Row Auto Optic



2A - Drive Lane Auto Optic



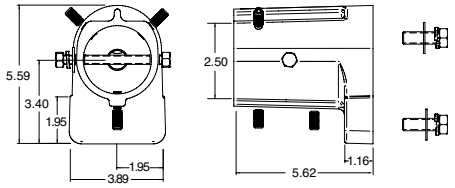
ACCESSORIES SEE NEXT PAGE

ACCESSORIES

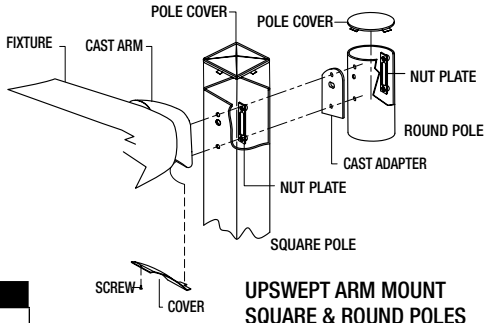
Catalog Number	Description
SCP-REMOTE[9]	Remote control for SCP option. Order at least one per project to program and control.

Catalog Number	Description
CR-RPA3-XX[1]	Round pole adapter for straight arm (3¼ - 3¾")
CR-RPA4-XX[1]	Round pole adapter for straight arm (3⅞ - 4½")
CR-RPA5-XX[1]	Round pole adapter for straight arm (5")
CR-RPA6-XX[1]	Round pole adapter for straight arm (6")
CRD-RPA2-XX[1]	Round pole adapter for upswept arm (2¾ - 3⅛")
CRD-RPA3-XX[1]	Round pole adapter for upswept arm (3¼ - 3¾")
CRD-RPA4-XX[1]	Round pole adapter for upswept arm (3⅞ - 4½")
CRD-RPA5-XX[1]	Round pole adapter for upswept arm (5")
CRD-RPA6-XX[1]	Round pole adapter for upswept arm (6")
WB-CR-XX[1]	Wall bracket
TPLB-XX[1]	Twin parallel luminaire bracket
MAF-CL-XX[3]	Horizontal mast arm fitter for 2 3/8" OD arm. Mounts to standard 6" arm (ordered with fixture)

1 Replace XX with color choice, eg.: DB for Dark Bronze
2 When ordering poles, specify Pole Drill Pattern #2
3 Fixture must include standard 6" arm



MAF – HORIZONTAL MAST ARM FITTER



UPSWEPT ARM MOUNT
SQUARE & ROUND POLES

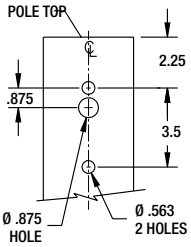
MOUNTING ACCESSORIES

Catalog Number	Description
ARM-CL-K-TA-XX[1]	Adjustable mounting arm for single fixture (2-3/8 tenon) – 5 lbs. 2.3 kgs.
ARM-CL-TK-TA-XX[1]	Adjustable mounting arm for two fixtures at 180° (2-3/8 tenon) – 7 lbs. 3.2 kgs.
ARM-CL-K-S-XX[1]	10" adjustable arm – .5 lbs. .05 kgs. – 5.75 lbs. 2.6 kgs.

1 Replace XX with color choice, eg.: DB for Dark Bronze
2 Fixture must include standard 6" straight arm

ARM-CL-K-TA-XX
ARM-CL-TK-TA-XX

ARM-CL-K-S-XX



#2 DRILL PATTERN FOR POLES

TENON TOP POLE BRACKET ACCESSORIES

(2 3/8" OD tenon) (RSS version requires 4" round pole adapter)

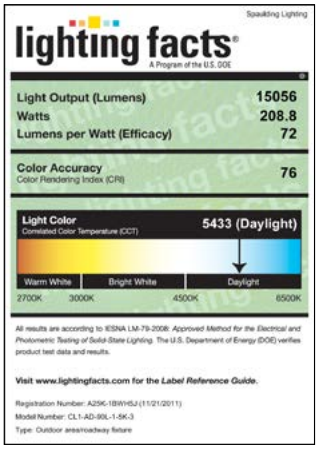
Catalog Number	Description
SETA-XX[1]	Square pole tenon adapter (4 at 90 degrees)
RETA-XX[1]	Round pole tenon adapter (4 at 90 degrees)
TETA-XX[1]	Hexagonal pole tenon adapter (3 at 120 degrees)

1 Replace XX with color choice, eg.: DB for Dark Bronze

PHOTOCONTROL EQUIPMENT

Catalog Number	Description
PTL-1	Photocontrol - twist-lock cell (120V)
PTL-8	Photocontrol - twist-lock cell (120-277V)
PTL-5	Photocontrol - twist-lock cell (480V)
PTL-6	Photocontrol - twist-lock cell (347V)
PSC	Shorting cap - twist-lock

LIGHTING FACTS



HUBBELL® Lighting

Square Non-Tapered Steel Pole Specification

Pole Shaft

The pole shaft shall be fabricated from weldable grade carbon steel structural tubing which has uniform wall thickness of 11 gauge (.1196"), 7 gauge (.1793"), or 3 gauge (.2391"). The pole shaft material shall conform to ASTM A-500 Grade B with minimum yield strength of 46,000 psi. Each section is one-piece construction with a full-length longitudinal weld and is uniformly square in cross-section with flat sides, small corner radii and excellent torsional properties.

Base Plate

The base plate is fabricated from a structural quality hot rolled carbon steel plate that meets or exceeds ASTM A-36 with a minimum yield strength of 36,000 psi. The base plate telescopes the pole shaft and is circumferential welded top and bottom. The base plate has slotted bolt holes for a 1/2" variation in the anchor bolt setting.

Hand Hole

An oval reinforced hand hole, having a nominal 3" x 5" X .237" wall, will be installed 18" above the base plate. A hand hole cover and attaching hardware is included with each hand hole assembly. A ground lug will be welded inside the pole opposite the hand hole. The 3" x 5" hand hole and ground lug comes standard on all poles unless otherwise specified.

Anchor Bolts

Anchor bolts are fabricated from a commercial quality hot rolled carbon steel bar that meets or exceeds minimum yield strength of 55,000 psi. Anchor bolts are sized according to each pole design and are furnished with 2 galvanized hex nuts and 2 galvanized flat washers. Anchor bolts for galvanized steel poles shall have 4" minimum galvanized on the threaded end to ASTM A-153. Prime finish poles are normally furnished with non-galvanized anchor bolts unless otherwise specified. Anchor bolts will ship with the poles unless otherwise noted.

Pole Top

Each pole assembly is provided with either a 2-3/8" O.D. x 5" tenon (other size tenons are available) or a removable pole cap. The pole top assembly will be determined by the type of brackets and/or fixtures to be supplied on each pole.

Design

The selection of the correct pole design is predicated on the specific loading requirements of each application. The poles located in the steel pole chart are designed to withstand dead loads and theoretical dynamic loads developed by sustained winds of 80 MPH through 100 MPH times the 1.3 gust factor. Effective Projected Area (EPA) is the actual adjusted projected area of the fixtures and mounting equipment taking into account the appropriate shape factor to result in an area having a coefficient of drag equal to unity (1.0). The combined EPA and the weight of the luminaire, light support brackets, platforms and any other attachments cannot exceed the rated EPA or allowable weight on that pole.

Welding

All welds shall be of the highest quality and performed by American Welding Society certified welders.

Finish

All poles, mounting brackets and platforms are furnished with a coating of red oxide/zinc primer, factory painted, or hot dipped galvanized to ASTM A-123 as specified. Miscellaneous hardware will be galvanized to ASTM A-153. Exterior finish coatings are available by special request.

American LitePole

Phone: (866) 474-7200 • Fax: (817) 924-7049

Submitted by Lighting Virginia-Central

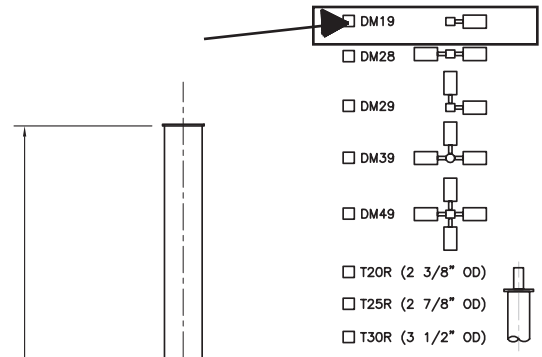
ADAMS LIGHTING VIRGINIA PARNELL

Job Name:
1801 Commerce Rd - City of Richmond DPU Stormwater Division

Catalog Number:
SNS-25-40-11-AB-PC(XX)-DM19

Notes:

Type:
SGL POLE
LV - CENTRAL14-15625

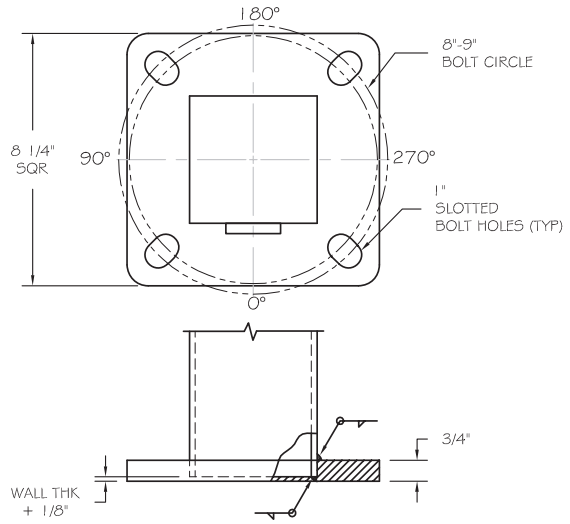


POLE TOP OPTIONS

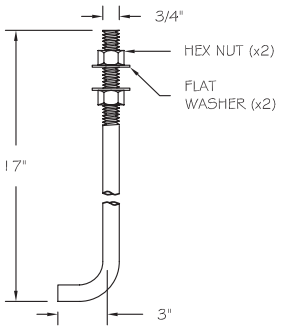
DRILLED FOR SINGLE FIXTURE @ 90 DEGREES

PAINTED TO MATCH SPAULDING FIXTURES (PCXX)

ANCHOR BOLTS



BASE PLATE DETAIL



* PROJECTION:
  4" MIN
  5" MAX
* ANCHOR BOLT TEMPLATE:
  ABT-850-4
* FULLY GALVANIZED PER:
  ASTM A-153

ANCHOR BOLT DETAIL

WIND (MPH)	80	90	100		
EPA	4.8	2.6	1.0		
WEIGHT	150	100	50		

LOADING CHART

COMPONENT	SPECIFICATION
POLE SHAFT	ASTM A-500 GRADE C
BASE PLATE	ASTM A-36
ANCHOR BOLTS	ASTM F-1554 GRADE 55
MISC. STEEL	ASTM A-36

SPECIFICATIONS

1. ALL HARWARE TO BE GALVANIZED TO ASTM A153.
2. POLE ASSEMBLY TO BE PAINTED OR GALVANIZED .
3. ALL WELDING TO CONFORM TO AWS D1.1 MOST RECENT EDITION.
4. POLE DESIGN IS BASED AGAINST COMMERCIAL GRADE STANDARDS.
5. DESIGN WIND SPEEDS IN LOADING CHART INCLUDE 1.3 GUST FACTOR.
6. POLES SHOULD BE MONITORED FREQUENTLY FOR SIGNS OF HARMONIC VIBRATION, WHICH WILL CAUSE STRUCTURAL FATIGUE. CONSULT FACTORY FOR A DAMPING DEVICE THAT CAN HELP MINIMIZE THE EFFECTS OF VIBRATION.

GENERAL NOTES

POLE MARK

TYPE:

FOR APPROVAL

BY: DATE:

American LitePole

AMERICAN LITE POLE
2800 S. HULEN, SUITE 200
FORT WORTH, TX 76109
817-924-3682 PH.
817-924-7049 FAX

REV.	DATE	BY	REVISION DESCRIPTION

PROJECT NAME:

DESCRIPTION:
SQUARE STRAIGHT STEEL
25' X 4" X 11 GA

SCALE:	DATE:	DWG BY:
NONE	08/06/07	BM
PO NUMBER:	QTY:	CHKD BY: CKR
DRAWING NUMBER: SNS-**25'**-40-11-AB		REV: -