



# PLANNING COMMISSION

Wednesday, May 08, 2024 at 5:30 PM

1 Benjamin Franklin Way Franklin, Ohio 45005

[www.FranklinOhio.org](http://www.FranklinOhio.org)

## AGENDA

1. CALL TO ORDER
2. ROLL CALL
3. PLEDGE OF ALLEGIANCE
4. APPROVE THE CLERK'S JOURNAL AND ACCEPT THE TAPES AS THE OFFICIAL MINUTES
  - A. [April 10, 2024, Meeting Minutes](#)
5. OATH OR AFFIRMATION
6. OLD BUSINESS
7. NEW BUSINESS
  - A. **PC 24-06 Major Subdivision Application - Sixth Street & Riley Blvd., Final Plat** - The City of Franklin is requesting approval of a proposed major subdivision for a lot combination and right-of-way dedication to facilitate future development of the vacant land located along Sixth Street & Riley Blvd. This property is located in the MU-1 zoning district.
  - B. **PC 24-07 - Major Site Plan - 650 Harrison Avenue** - The applicants Gary D. Lee and Tony D. Lee with Redemption Pentecostal Church, are requesting approval of a major site plan to construct an addition to their existing church located at 650 Harrison Street. This property is located in the TN-1 zoning district.
  - C. **PC 24-08 Major Site Plan Revision - Franklin High School Parking Lot** - Parcels #0431178001, 0431178011, 0431178010, and 0431178003 (140 East 6<sup>th</sup> Street). The applicant, SHP c/o Mark Demko is requesting approval of a major site plan revision to PC 22-02 in order to demolish the existing 89 space parking lot located to the northwest of the school along parcels #0431178003, 10, & 11 and construct a new 96 space parking lot predominately on parcel #0431178001 and abutting East 6<sup>th</sup> Street and Anderson Street. This property is located in the MU-1 & CV-1 zoning districts.
8. DISCUSSION
9. ADJOURNMENT



# PLANNING COMMISSION

Wednesday, April 10, 2024 at 5:30 PM

1 Benjamin Franklin Way Franklin, Ohio 45005

www.FranklinOhio.org

## CLERK’S JOURNAL

### 1. CALL TO ORDER

The meeting was called to order at 5:30 PM.

### 2. ROLL CALL

Present: Dr. Sarah Nathan, Paul Ruppert, Christine Pirot, David Hopper, Mayor Brent Centers, Jason Hall, Brian Rebholz  
Staff: Barry Conway, Jonathan Westendorf, Cindi Chibis  
Guests: Cameron Goschinski, Ryan Cook

### 3. PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by Dr. Nathan.

### 4. APPROVE THE CLERK’S JOURNAL AND ACCEPT THE TAPES AS THE OFFICIAL MINUTES

The Clerk's Journal was accepted as the official minutes of the March 13, 2024, meeting. Written minutes were accepted with two revisions.

Motion made by Ruppert, Seconded by Doctor Nathan.  
Voting Yea: Nathan, Ruppert, Pirot, Hopper, Hall, Rebholz  
Voting Abstaining: Mayor Centers

### 5. OATH OR AFFIRMATION

The Oath was administered to all guests.

### 6. OLD BUSINESS

### 7. NEW BUSINESS

**PC 24-05 - Reinvent Franklin 2040 Comprehensive Plan** – In 2021, the City of Franklin retained the Warren County Regional Planning Commission to assist with the creation of a citywide comprehensive plan. The Comprehensive Plan is a policy document that presents a unified vision for the future of the City. Staff is requesting Planning Commission to forward a recommendation of approval of the Reinvent Franklin 2040 to City Council.

Cameron Goschinski approached the podium, confirmed that he has been sworn in, and provided his address. He explained that he was in attendance as a representative of the Warren County Regional Planning Commission (WCRPC) to answer questions about the 2040 Reinvent Franklin Comprehensive Plan, as presented by Hadil Lababidi, Planner II, WCRPC, at the March Planning Commission meeting.

Rebholz stated that he was impressed with both the depth and the quality of the Plan. Stating that collectively we have done a fantastic job.

Pirot asked if Commission members should share suggestions for minor clerical changes, such as punctuation or spelling, in the public meeting, or if there was a preferred alternative method to provide non-substantive revisions.

Mayor Centers responded that instead of detailing recommended clerical revisions today, the Commission had an option to adopt the Plan for Council approval with clerical, non-material amendments.

Pirot said that although Franklin is located between Dayton and Cincinnati, it appeared to her that in the Plan Document we are strongly aligned with Dayton. She asked what propelled us to make that choice.

Westendorf responded that this is likely due to the tremendous support received from and allegiance to MVRCP throughout the planning Process, which resulted in increased funding opportunities. He stated that efforts to actively market Franklin to both the Dayton/Montgomery County area, as well as to Cincinnati/Warren County area, are underway.

Pirot suggested that if using this document to support our marketing strategy we may want to consider revising the language in the *Introduction* on page 14 of the Plan, to more clearly indicate that we are in overlapping metropolitan areas.

Mayor Centers agreed that Franklin has a foothold in both places and suggested that before the Document is finalized the recommendation be considered.

Hall stated that Franklin has a long history of supporting our Veterans. He suggested that housing support for Veterans be added to page 99, and that local resources available for Veterans as well as Franklin's designation as a Purple Heart City, be added to the *Quality of Life* section.

Dr. Nathan highlighted areas within the Plan that she found particularly compelling, (e.g. a call-out to the community's spirit of optimism; *Quality of Life* - importance of the Public Library, *Implementation* - developing a 48-hour City Guide, and a neighborhood awards program, City Employee Residence Incentive Program). She also suggested that we consider ways that the Franklin Fund can support some of these initiatives.

Westendorf agreed and reminded Commission members that he closed last night's Town Hall with a call to action to encourage creative thinking on how community members and organizations can contribute to City development.

Hopper said that he is astounded by the amount of thoughtful planning that went into the comprehensive document and is impressed with the overall plan for Franklin. He described the document as an in-depth blueprint that provides guidance for residents, City staff, Boards and Commission, and for City Council. Hopper said that the Plan incorporates cutting-edge modern thinking and theory in ways that remain applicable to our community's unique strengths and challenges. Hopper stated that this Plan helps us make Franklin better while at the same time not forgetting about the people who live here, or what makes Franklin uniquely Franklin. Hopper used

grocery stores reviewed on page 99 of the Plan to illustrate this concept. Hopper concluded his comments by saying that he was “extremely impressed”.

Ruppert said that he remembers when downtown Franklin was vibrant and bustling, explaining that he has wondered over the years what we could do to save the town. Ruppert stated that the only thing that has kept the town alive was the resident’s remarkable spirit, saying that “what we are doing is fantastic and I’m proud to be part of the change”. He highlighted examples of successes already happening such as water savings of over 300 thousand gallons a day resulting from infrastructure improvements currently underway downtown. He said that with these changes Franklin will be a remarkable place to live and work.

Hopper said that this process is a testament of how government and private sector capital can work together to improve the Community-it’s a reciprocal process. This cooperation is a critical piece in a virtuous cycle. He stated that we are collectively creating an environment where individuals can thrive and grow.

Westendorf expressed his appreciation of the positive comments. He agreed that WCRPC has done an excellent job. He explained that he had high expectations and realizes that we have not always been easy on them, but the results are a testament to the amount of work that went into the planning process. Although the staff contributed in significant ways, he reminded Commission members that this really is a work product of the Community. The Plan grew out of two years of community input. We asked and this is what the Community told us that they wanted. “I will forever be grateful to this community for showing up, participating and for dreaming big. Together we will make this happen”.

Discussion regarding Plan revisions ensued. Suggestions included, but were not limited to, a date change on page 20, the removal of the reference to Main Street Franklin on page 151, inclusion of Ohio Means Jobs on page 153.

Hearing no further discussion, Hopper entertained a motion to recommend approval of the Reinvent Franklin 2040 Comprehensive Plan, subject to administrative edits.

Motion made by Nathan, Seconded by Hall  
Voting Yea: Nathan, Ruppert, Pirot, Hopper, Centers, Hall, Rebholz

**8. DISCUSSION**

Westendorf announced that he and Mayor Centers are hosting Walking Tours of Downtown Streetscape Project at 9:00 AM on Saturday, April 27, and 5:30 PM on Tuesday, April 30. He explained that the Walking Tours are an interactive exercise designed to highlight planned construction projects, answer citizen questions, and address resident concerns. Westendorf stated that this is a historic opportunity-outside of a natural disaster it isn’t often that we get the chance to reinvent a community. He said that he is so proud of the community and that it is wonderful to see our citizens, staff, Boards and Commissions and Council working together to achieve our dream.

**9. ADJOURNMENT**

Meeting adjourned at 6:05 PM.

Motion made by Pirot, Seconded by Dr. Nathan  
Voting Yea: Nathan, Ruppert, Pirot, Hopper, Centers, Hall, Rebholz



# PLANNING COMMISSION STAFF REPORT

To: Planning Commission Members  
From: Liz Fields, AICP, Planner  
Meeting Date: May 8, 2024

**PC 24-06                      Major Subdivision, Final Plat – Lot Combination & Right of Way Dedication**

Property Information: Location: Sixth Street and Riley Boulevard  
Zoning: MU-1  
Current Use: Vacant Land

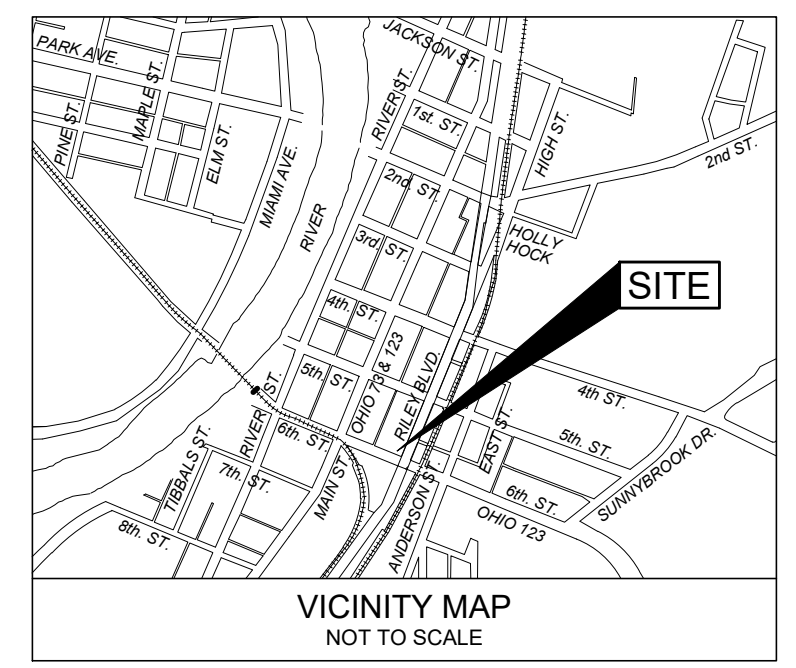
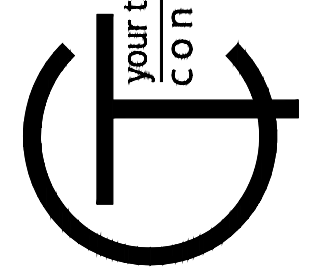
**Project Overview:** The City of Franklin is requesting approval of a proposed major subdivision for a lot combination and right-of-way dedication to facilitate future development.

**Comments:** The major subdivision proposes the replat of Lots 596 through 601 and part of Lots 602 and 603 along Sixth Street and Riley Boulevard into one lot that will be approximately 0.8907 acres and the dedication of approximately 0.0873 acres along Sixth Street and Riley Boulevard as public right-of-way.

**Recommendation:** Staff recommends that the Planning Commission forward a recommendation of approval of the major subdivision for a lot combination and right-of-way dedication to Franklin City Council.

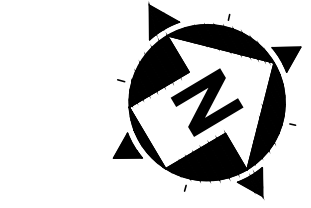
PRELIMINARY

your trusted advisor  
engineers  
architects  
planners  
consultants

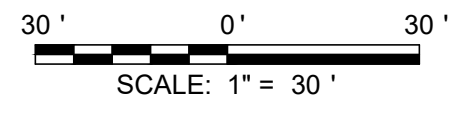
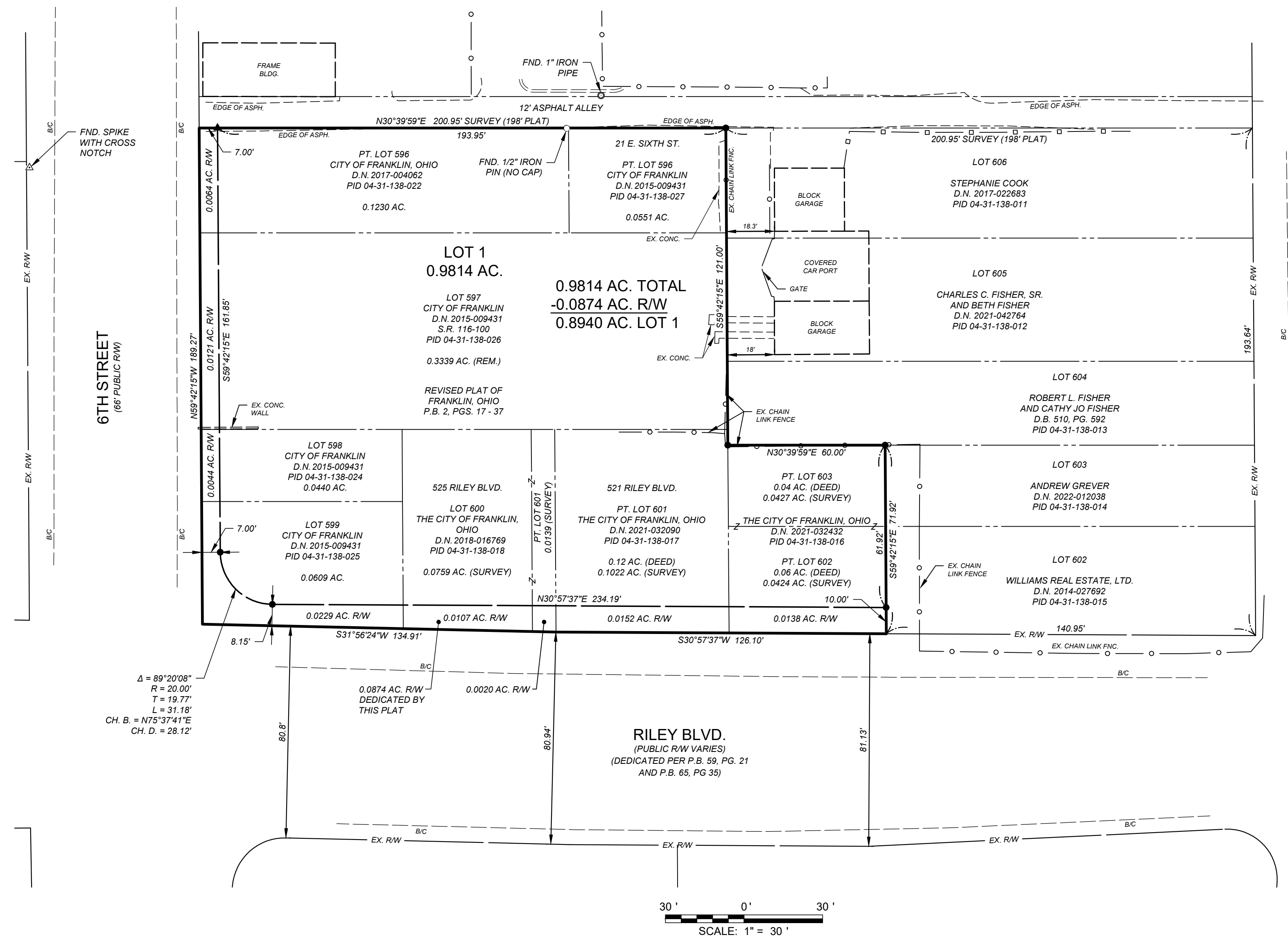


# FRANKLIN DOWNTOWN REVITALIZATION PHASE 1

BEING A REPLAT OF LOTS 596 THROUGH 601 AND PART OF LOTS 602 AND 603 AS RECORDED IN REVISED PLAT OF FRANKLIN, OHIO, PLAT BOOK 2, PAGES 17 - 37 SITUATED IN: SECTION 31, TOWN 2 EAST, RANGE 5 NORTH, B.T.M. CITY OF FRANKLIN FRANKLIN TOWNSHIP WARREN COUNTY, OHIO APRIL, 2024



NORTH AND BEARING SYSTEM BASED ON NAD83 (2011) OHIO STATE PLANE, SOUTH ZONE (3402), US FOOT



**OWNER / CLIENT**  
CITY OF FRANKLIN, A.K.A. CITY OF FRANKLIN, OHIO  
1 BENJAMIN FRANKLIN WAY  
FRANKLIN, OH. 45005

**PROPERTY ADDRESS**  
SIXTH ST. AND RILEY BLVD.  
FRANKLIN, OH. 45005

**SURVEYOR'S ADDRESS**  
CT CONSULTANTS, INC.  
INTEGRITY TOWER BUILDING  
4420 COOPER ROAD, SUITE 200  
CINCINNATI, OH. 45242

### CLOSURE

North: 572227.2427' East: 1459758.4272'  
Segment #1 : Line  
Course: N59°42'15"W Length: 189.27'  
North: 572322.7228' East: 1459595.0053'  
Segment #2 : Line  
Course: N30°39'59"E Length: 200.95'  
North: 572495.5702' East: 1459697.4976'

Segment #3 : Line  
Course: S59°42'15"E Length: 121.00'  
North: 572434.5300' East: 1459801.9729'  
Segment #4 : Line  
Course: N30°39'59"E Length: 60.00'  
North: 572486.1391' East: 1459832.5752'  
Segment #5 : Line  
Course: S59°42'15"E Length: 71.92'  
North: 572449.8580' East: 1459894.6732'

Segment #6 : Line  
Course: S30°57'37"W Length: 126.10'  
North: 572341.7242' East: 1459829.8019'  
Segment #7 : Line  
Course: S31°56'24"W Length: 134.91'  
North: 572227.2392' East: 1459758.4303'  
Perimeter: 904.15' Area: 0.9814acres  
Error Closure: 0.0047  
Course: S41°56'46"E Error North: -0.00350 East: 0.00315  
Precision 1: 192372.34

**OWNER CONSENT AND DEDICATION**  
WE THE UNDERSIGNED, BEING ALL THE OWNERS AND LIEN HOLDERS OF THE PROPERTY HEREIN PLATTED, DO HEREBY VOLUNTARILY CONSENT TO THE EXECUTION OF SAID PLAT, THEREBY CONVEYING TITLE, IN FULL TO THE PUBLIC AND DEDICATE THE STREETS AND EASEMENTS, INCLUDING EXTRATERRITORIAL EASEMENTS, AS APPLICABLE, TO THE PUBLIC USE FOREVER.

PRINTED NAME	SIGNATURE	TITLE

### CERTIFICATE OF NOTARY PUBLIC

THIS IS AN ACKNOWLEDGEMENT CERTIFICATE; NO OATH OR AFFIRMATION WAS ADMINISTERED TO THE SIGNER WITH REGARD TO THIS NOTARIAL ACT.  
STATE OF OHIO, COUNTY OF WARREN, SS:  
BE IT REMEMBERED THAT ON THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2024 A.D., BEFORE ME A NOTARY PUBLIC IN AND FOR SAID STATE, PERSONALLY APPEARED BEFORE ME \_\_\_\_\_ OF \_\_\_\_\_ WHO REPRESENTED THAT THEY ARE DULY AUTHORIZED IN THE PREMISES AND WHO ACKNOWLEDGED THAT THEY DID SIGN THE FOREGOING INSTRUMENT AND THAT THE SAME IS THEIR VOLUNTARY ACT AND DEED FOR THE USES AND PURPOSES IN SAID INSTRUMENT MENTIONED. IN TESTIMONY WHEREOF, I HERETO SET MY HAND AND AFTER MY NOTARIAL SEAL ON THE DAY AND DATE AFORESAID.

NOTARY PUBLIC \_\_\_\_\_ MY COMMISSION EXPIRES \_\_\_\_\_

### SURVEYOR'S NOTES

DATA SOURCES INCLUDE DOCUMENTS CITED HEREON.  
EXISTING MONUMENTATION IS IN GOOD, USEABLE CONDITION UNLESS OTHERWISE NOTED HEREON.  
SET MONUMENTATION IS AS NOTED HEREON.  
NO TITLE COMMITMENT WAS PROVIDED FOR THIS SURVEY, AND IS SUBJECT TO ANY ADDITIONAL INFORMATION FOUND BY A TITLE EXAMINATION.  
LINES OF OCCUPATION, WHERE THEY EXIST, GENERALLY AGREE WITH BOUNDARY LINES.  
ALL PLAT AND DEED REFERENCE ARE TO THE WARREN COUNTY, OHIO RECORDER'S OFFICE.

### SURVEYOR'S CERTIFICATION

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE BY CT CONSULTANTS, UNDER MY DIRECTION, IN ACCORDANCE WITH THE OHIO MINIMUM SURVEYING STANDARDS.  
FIELD WORK COMPLETED ON MARCH 25, 2024

TERRY W. COOK  
OHIO REGISTERED PROFESSIONAL SURVEYOR  
NO. 7950 IN THE STATE OF OHIO

**WARREN COUNTY AUDITOR**  
TRANSFERRED ON THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2024.  
BY \_\_\_\_\_  
DEPUTY WARREN COUNTY AUDITOR

**WARREN COUNTY RECORDER**  
FILE NUMBER \_\_\_\_\_  
RECEIVED ON THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2024 AT \_\_\_\_\_ M.  
RECORDED ON THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2024 AT \_\_\_\_\_ M  
RECORDED IN PLAT BOOK NUMBER \_\_\_\_\_, PAGE \_\_\_\_\_  
FEE \_\_\_\_\_  
BY \_\_\_\_\_  
DEPUTY WARREN COUNTY RECORDER

**CITY ENGINEER**  
I HEREBY APPROVE THIS PLAT ON THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2024.  
\_\_\_\_\_  
CITY ENGINEER

**CITY MANAGER**  
I HEREBY APPROVE THIS PLAT ON THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2024.  
\_\_\_\_\_  
CITY MANAGER

**CITY COUNCIL**  
BENJAMIN FRANKLIN WAY, AS SHOWN HEREON, ACCEPTED BY THE COUNCIL OF THE CITY OF FRANKLIN, OHIO ON THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 2024, A.D.  
ORDINANCE NO. \_\_\_\_\_

**PLANNING COMMISSION**  
I HEREBY CERTIFY THAT ON THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 2024, THIS PLAT WAS APPROVED BY THE PLANNING COMMISSION OF THE CITY OF FRANKLIN, OHIO.  
\_\_\_\_\_  
CHAIRMAN

**DEED REFERENCE**  
SITUATED IN SECTION 31, TOWN 2 EAST, RANGE 5 NORTH, CITY OF FRANKLIN, FRANKLIN TOWNSHIP, WARREN COUNTY, OHIO, CONTAINING 0.9814 ACRES AND BEING LOTS 596, 597, 598, 599, 600, 601, PART OF LOT 602 AND PART OF LOT 603, REVISED PLAT OF FRANKLIN, OHIO, AS RECORDED IN PLAT BOOK 2, PAGES 17 - 37 AND DESCRIBED IN THE DEEDS RECORDED IN D.N. 2017-004062, D.N. 2015-009431, D.N. 2018-016769, D.N. 2021-032090, D.N.2021-032432.

**ACREAGE SUMMARY**

PT. LOT	ACREAGE	PID	D.N.
PT. LOT 596	0.1230 AC.	PID 04-31-138-022	D.N. 2017-004062
PT. LOT 596	0.0551 AC.	PID 04-31-138-027	D.N. 2015-009431
LOT 597	0.3339 AC.	PID 04-31-138-026	D.N. 2015-009431
LOT 598	0.0440 AC.	PID 04-31-138-024	D.N. 2015-009431
LOT 599	0.0609 AC.	PID 04-31-138-025	D.N. 2015-009431
LOT 600	0.0759 AC.	PID 04-31-138-018	D.N. 2018-016769
PT. LOT 601 (N)	0.1022 AC.	PID 04-31-138-017	D.N. 2021-032090
PT. LOT 601 (S)	0.0139 AC.	PID 04-31-138-018	D.N. 2018-016769
PT. LOT 602	0.0424 AC.	PID 04-31-138-016	D.N. 2021-032432
PT. LOT 603	0.0427 AC.	PID 04-31-138-016	D.N. 2021-032432
LOT 1	0.8940 AC.		
DEDICATED R/W	0.0874 AC.		
TOTAL	0.9814 AC.		

- SURVEYOR'S LEGEND**
- 5/8" x 30" IRON PIN SET, CAPPED  
\*CT CONS. COOK OH PS 7950\*
  - ▲ MAG SPIKE SET
  - IRON PIN FOUND (SIZE NOTED)
  - IRON PIPE FOUND (SIZE NOTED)
  - △ SPIKE FOUND

PROJECT NO.	241154
DISCIPLINE	SURVEY
SHEET NAME	RE-PLAT
SHEET	OF
1	1



# PLANNING COMMISSION STAFF REPORT

To: Planning Commission Members

From: Liz Fields, AICP, Planner

Meeting Date: May 8, 2024

## PC 24-07 Major Site Plan – Redemption Pentecostal Church Expansion

Property Information: Location: Parcels #0431253006 (650 Harrison Street)  
Zoning: TN-1  
Proposed Building Addition Size: 1,409 square feet  
Proposed Number of Parking Spaces: 19 spaces

**Project Overview:** The applicants Gary D. Lee and Tony D. Lee are requesting approval of a major site plan to construct an addition to their existing church located at 650 Harrison Street.

**Comments:** Site Plan: The proposed site plan includes the development of the building addition located at the front of the existing church facility. The proposed building addition will allow the church to expand their main auditorium by approximately 700 square feet while also providing ADA accessible bathroom facilities and a fellowship hall. Additionally, the existing parking lot is proposed to be restriped.

Landscape Plan: Additional landscaping is not proposed as part of this major site plan. The existing landscaping and buffering was approved as part of a minor site plan in 2023.

Parking: With the inclusion of the building addition, the total number of parking spaces required under the UDO is 23 spaces. A total of 19 spaces are proposed as the existing parking lot will be restriped and reconfigured to accommodate the building addition. Due to the irregular lot shape and configuration it would not be feasible for the applicant to meet the parking requirement under the UDO. For this reason, along with the availability of on-

street parking along Harrison Avenue, staff recommends that the Planning Commission consider waiving the parking requirement as authorized under Subsection 1107.11(g)(4).

Lighting: A lighting plan was not submitted as part of the application.

Building Design: The design of the addition differs from the existing block building by incorporating light gray vinyl siding along the left, right, and rear elevations and gray brick along the front elevation. The front elevation, which will contain the new entrance for the church, also includes a decorative arched entryway that is mirrored by a similarly styled window to the right of the entrance. Additional ornamentation is included in the form of projecting brick bump outs along the corners of the front elevation that wrap around to the left and right elevations. The roofing material on the addition will be shingle. While vinyl is not permitted as a siding material in the Downtown Districts, the majority of the vinyl is located on the right and rear elevations which are not visible from the right-of-way, and the majority of the left elevation which does face the right-of-way will consist of block. Staff believes that the applicant has largely met the intent of the design standards for the Downtown Districts and the design is consistent with the existing character of the area. As such, staff recommends that the Planning Commission consider waiving the materials requirements as authorized under Subsection 1107.11(d)(7).

**Recommendation:** Staff recommends that Planning Commission approve the Major Site Plan with the following conditions:

- 1) The applicant shall comply with the comments from the City of Franklin Fire Department.

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City of Franklin  
Division of Fire and EMS  
45 E. Fourth St, Franklin, Ohio 45005  
(937) 746-4542 www.FranklinOhio.org

Steve Scott, Plans Examiner  
Warren County Building & Zoning  
406 Justice Drive  
Lebanon, OH 45036

Steve,

February 28, 2024

Redemption Pentecostal Church  
650 Harrison Ave  
Franklin, OH 45005

The following are comments regarding business above for permit application dated 02/21/24.

Ohio Fire Code 2017

- **OFC 507.1**-Provide water flow data from nearest fire hydrant to building to show Available Fire Flow.
- **OFC 507.3**-Show that Available Fire Flow meets or exceeds Needed Fire Flow based on an approved method. Franklin Fire Division will accept Needed Fire Flow calculations based on OFC Appendix B. The City of Franklin has not adopted the OFC Appendix B, but will accept as an approved method.
- **OFC 507.5**-Show fire hydrant that is no farther than 400ft from all exterior walls of building. Please show location of fire hydrants and distance to all exterior walls of the building.
- Water supply requirements shall be approved by the Franklin Fire Division-AHJ prior to the start of construction.
- Site plan needed to show grade and access around building including creek that runs along side the building. Fire Department shall have 10ft wide level access to all exterior walls of the building.
- Utility/electric panel room shall have emergency egress lighting.
- **OFC 1007.1.1** – Fellowship hall 2 exit door separation does not appear to be no less than 1/2 the diagonal dimension of the room.

Thank you.

Bob Turner  
Fire Inspector  
Franklin Fire Department

1. Need the square footage of the existing and proposed additions to the building (dimensions indicated but does not list the actual SF).  
The square footage of the existing building is 950 sq ft.. The total square footage of the proposed addition is 1,363 square ft.. Which would bring the total square footage of the building to 2,313 sq ft.
2. Need a statement explicitly addressing the topics stated under requirement number 5 of the Major Site Plan Application.
  - A. Whether the proposed use fully complies with all applicable requirements of the UDO;  
Yes, as far as we understand the proposed addition does comply with the UDO. With the proposed addition there will be no encroachment of property lines, etc. It is just an addition to make our existing church building more user friendly
  - B. Whether the proposed use or addition will adequately protect adjacent property, or residential uses located on the same property, from the potential adverse effects of a non-residential use;  
There are no residential uses on the same property. We have fully complied with the UDO which required us to install a privacy/decorative fence and a landscaped buffer area between the Church property and the only adjacent residential property. The proposed addition will effect none of this.
  - C. Whether the proposed use or addition will be detrimental to the use and character of surrounding properties;  
The small proposed addition will not alter or effect any of the surrounding properties. The proposed addition will have an even more curb appeal and a positive impact on the character of the surrounding properties.
  - D. Whether the proposed use or addition will provide safe conditions for pedestrians and motorists and prevents the dangerous arrangement of pedestrian and vehicular ways;  
The proposed addition will not change the existing use of the property in any way, the pedestrian and vehicular ways are none effected by the proposed addition.
  - E. Whether the proposed use will provide adequate parking and/or loading facilities and lighting systems;  
The proposed addition will only take away approximately 25' from the existing parking lot, leaving us with adequate parking. The lighting will be the same as it is now.
  - F. Whether the proposed use will provide adequate utility, waste disposal, storm water drainage, water and sanitary services;  
The proposed addition will consist of re-locating the men's and women's restrooms, and installing a sink in the 'Fellowship Hall' area, all of which will be plumbed into the existing city sewer as the existing bathrooms are now. The proposed addition will have no effect on storm water drainage, etc.
  - G. Whether the proposed use will provide safe ingress and egress for emergency services vehicles;  
The proposed addition will have no effect on the existing safe ingress and egress for emergency service vehicles if ever needed.
  - H. Whether the proposed use will provide required landscaping fencing, or walls.  
As previously stated, we have already complied with the UDO on the requirements of landscaping, fencing, etc., and the proposed addition will have no effect on any of this.

## **Proposed Addition**

### **Property Location:**

650 Harrison Ave  
Franklin, OH 45005

It was our goal and vision when we purchased the dilapidated property at 650 Harrison Ave. Franklin, OH to turn it into a positive piece of property that would compliment the surrounding neighborhood, and also the city of Franklin. After the much-needed renovations to the property, and meeting all of the standards of the city ordinances and building requirements, we feel we have accomplished our goal.

Our opening service was Sunday, March 19, 2023. To be able to bring our church to its full potential we are hereby requesting approval for the proposed addition.

### **The reasons for our proposed addition:**

- We will be able to have ADA compliant bathrooms to better accommodate those that attend with special needs.
- We will gain a much-needed Fellowship Hall that can be used for Sunday School classes, etc.
- We will also gain approximately 700 sq ft. to the main auditorium.
- It will give us a much better entry into our church.
- We also believe it will give an attractive curb appeal to our property.

The property has adequate parking.

### **The proposed addition:**

- Will not encroach on any property lines.
- Will not affect any surrounding properties.
- Will not change any exterior lighting.
- Will not change any existing landscaping.
- Will not have any effect on any traffic flow.

It is our goal to be compliant with any required codes. Our objective is to be an asset to the city of Franklin.

**The Congregation of Redemption Pentecostal Church thanks you in advance!**

Pastor, Gary D. Lee

Assistant Pastor, Tony D. Lee

# PROPERTY SURVEY

Section 7, Item B.

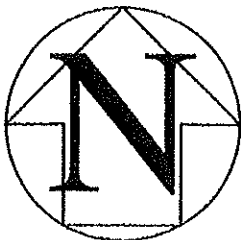
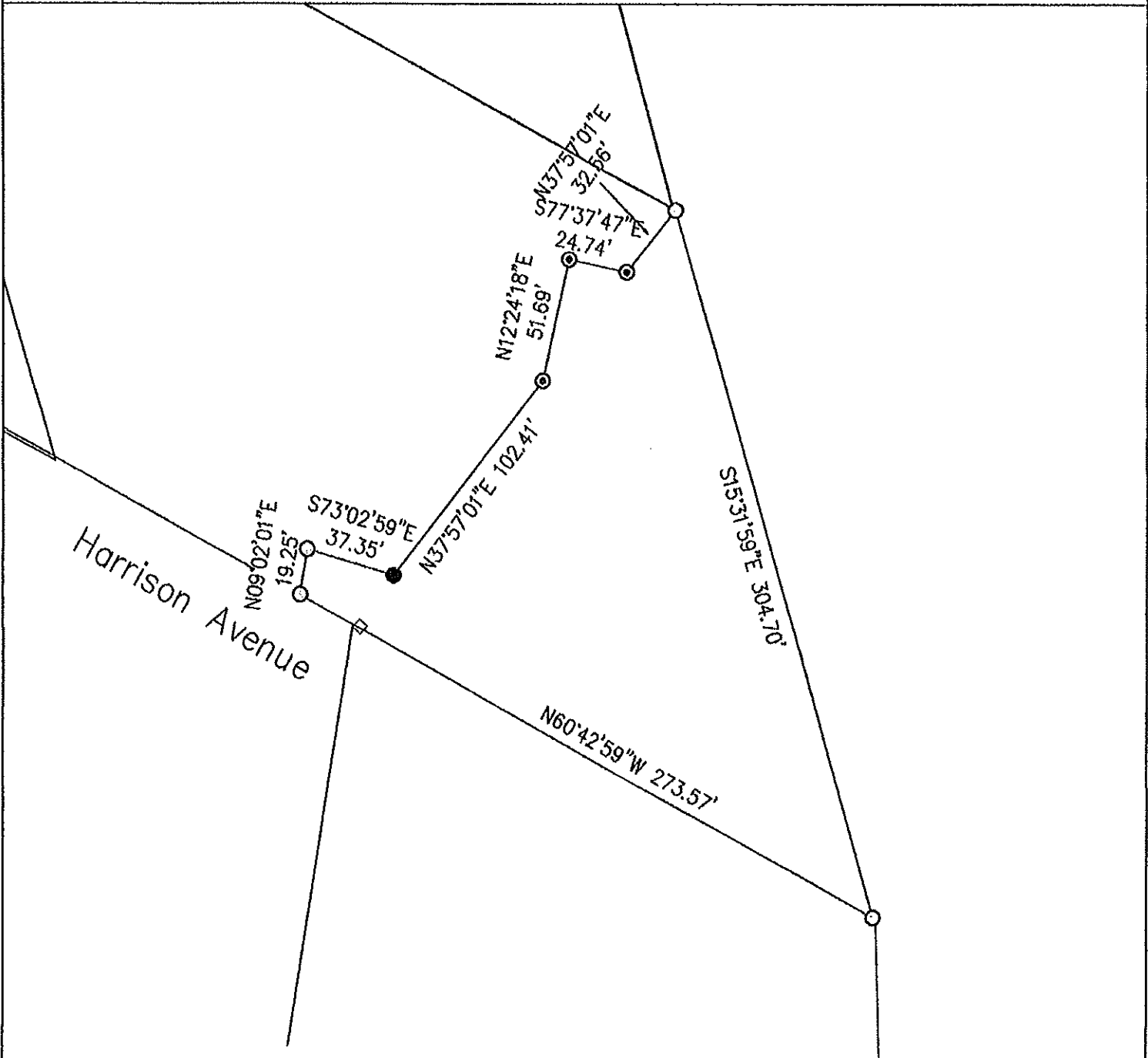
for  
Tony Lee

City of Franklin, Ohio  
Warren County

650 Harrison Avenue

Prepared By  
**Cosler Engineering**  
630 South Orchard Lane, Suite D  
Beavercreek, Ohio 45434

January 13, 2023



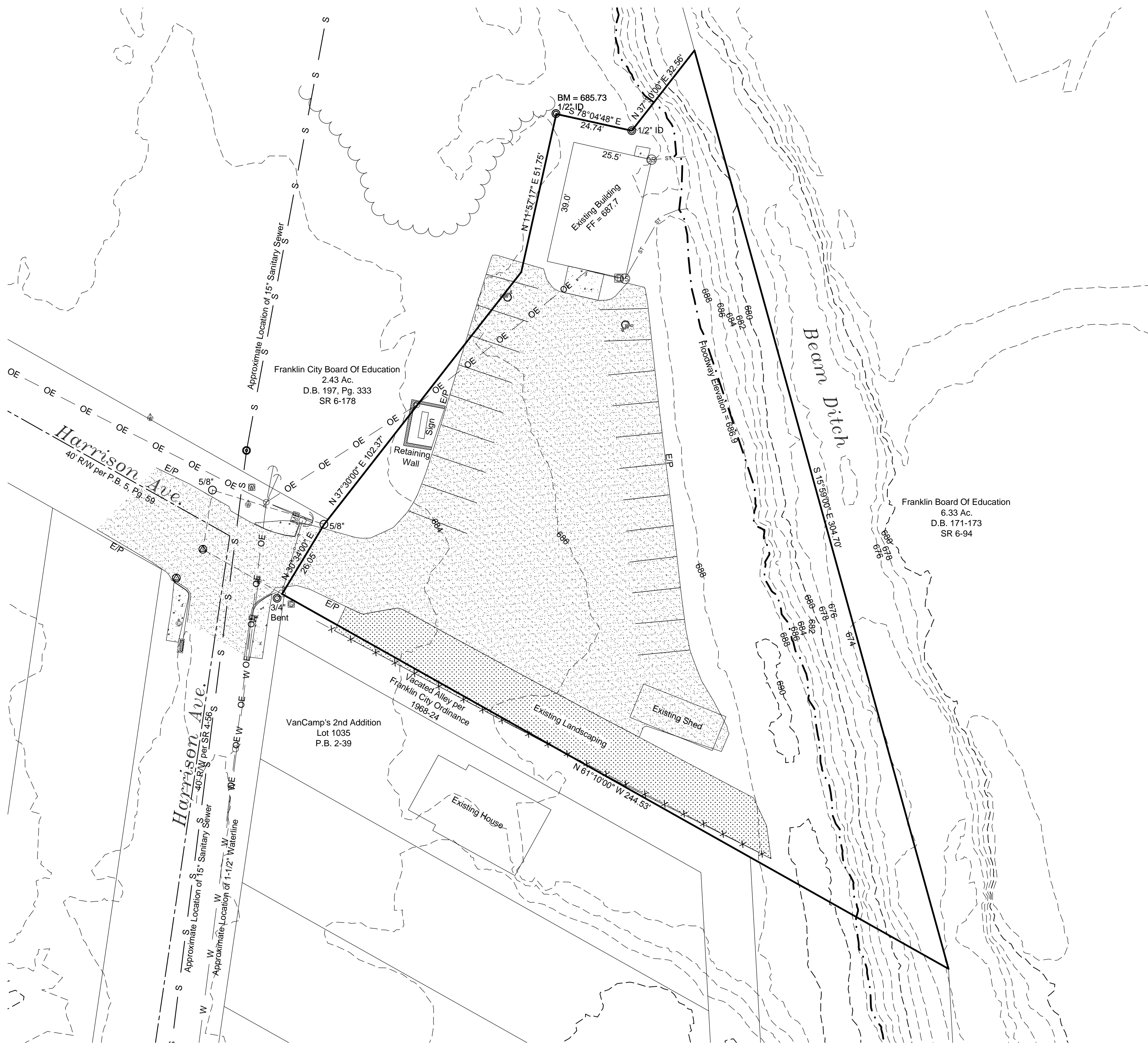
GRAPHIC SCALE IN FEET  
Scale: 1" = 60'

By: *Mitchell W. Cosler*

Ohio Registered Survey No. 6393

# Redemption Pentecostal Church Addition

Site Plan  
Section 31, Town 2E, Range 5N  
Franklin Township, Warren County, Ohio  
0.6283 Acres April 2024



Notes :

- Owner: Gary D. Lee & Tony Lee  
203 Johnson Trail  
Dayton, Ohio 45439  
Phone - 785-265-1731  
  
Property Address: 650 Harrison Ave,  
Franklin, Ohio 45005
- Present Zoning - TN-1  
Existing Use - Existing Church  
Proposed usage - Addition to Church Building
- Parking stalls are 9' by 18' typical. Required number of parking spaces is 19. A total of 19 existing parking spaces are proposed, 2 spaces are designated handicap accessible.
- Utilities:  
Existing sanitary sewer - City of Franklin.  
Existing water service - City of Franklin.  
Existing electric service to be relocated to side of building.  
Telephone service to be underground.
- No new Signage is proposed.
- Lighting Plan shall conform to Section 1111.07 (d) of the City of Franklin Municipal Code.
- Landscape plan shall conform to Section 1111.06 of the City of Franklin Municipal Code. No new landscaping is proposed.
- Bench Mark - Iron Pipe near the NE corner of the existing building.  
Elevation = 685.73
- Area to be disturbed = 0.055 acres (2400 S.F.)  
Impervious area to be removed = 1437 S.F.  
Impervious area to be added = 1409 S.F.  
Change in impervious area = - 28 S.F.  
No stormwater detention is proposed.
- Contours shown on this page are from Warren County GIS data.

General Notes

All existing utilities are shown in their approximate locations according to the best available information. The contractor shall be required to field locate exact locations and elevations of existing underground utilities prior to setting grade and alignment.

All work shall conform to the City of Franklin Construction and Material Specifications. No construction shall commence until City of Franklin permits have been issued as required.

48 hours prior to any construction, excavation or digging, the contractor shall call and notify the Ohio Utilities Protection Service (OUPS) at 1-800-362-2764. All other agencies which might have underground utilities in this area and are not members of OUPS shall be notified directly by the contractor.

### General Notes for Sediment & Erosion Control Measures

This project is subject to inspection for compliance with the City's storm water ordinance. Additional measures may be required if violations of the ordinance occur. All measures shall comply with City standards and the Rainwater and Land Development manual by ODNR. All sediment and erosion control measures shall be inspected and repaired once a week and after every 1/2 inch of rain. Records of such inspection shall be kept at job site and be available for immediate review upon request. Refer to the Rainwater and Land Development manual for complete installation requirements.

### Construction Sequence

- Place Silt Fence
- Clearing and Stripping
- Rough Grade Building
- Building Foundation
- Final Grade
- Final Seeding and Soil Stabilization

### Storm Water Pollution Prevention Plan (SWP3)

The total disturbed area for this site is less than 1 acre. The generally contractor shall implement storm water and erosion control measures as detailed in Chapter 8 of the ODNR Rainwater and Land Development Manual.

### Sediment Basins, Traps or Ponds

No sediment basin, trap or pond is proposed for this site.

### Preserving Existing Vegetation

Whenever possible, preserve existing trees, shrubs, and other vegetation. To prevent root damage do not grade, place soil piles or park vehicles near trees marked for preservation. Place plastic mesh or snow fence around trees to protect the area below their branches to the drip line.

### Silt Fence

Shall be installed on the contour and be continuous. To prevent water ponded by silt fence from flowing around the ends, each end shall be constructed upslope such that the ends are at a higher elevation. Silt fence seams between sections of silt fence shall be overlapped with the end stakes of each section wrapped together before driving into the ground. See Ohio Department of Natural Resource's specifications.

Remove sediment if deposits reach half the fence height or a maximum of 8 inches. Fence shall be entrenched no less than 6 inches. The trench shall be cut with a trencher, cable laying machine, or other suitable device, which will ensure an adequately uniform trench depth. Silt fence shall be a minimum of 16 inches, but less than 36 inches above the original ground elevation.

### Soil Piles

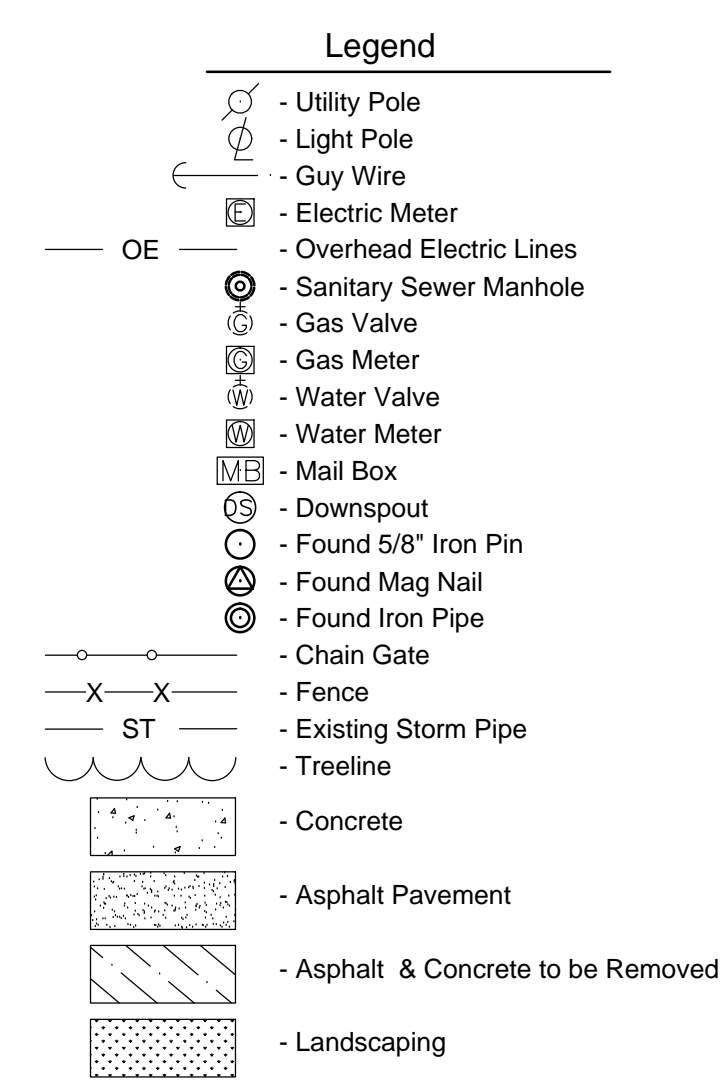
Locate away from any street, driveway, stream, lake, wetland, ditch or drainage way. Temporary seed such as annual rye is recommended for topsoil piles and shall comply with revegetation note. Surround with properly installed silt fence.

### Revegetation

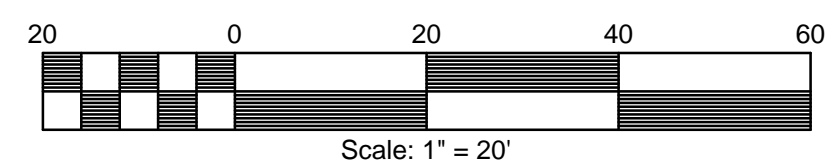
Disturbed soils that are to be dormant for more than 30 days are to be covered with temporary vegetation and/or mulch within 7 days of earthwork. All areas adjusted to final grade, shall be seeded within 7 days. All areas that can be brought to final grade shall be immediately graded and seeded. Soil stabilization shall comply with Ohio Department of Natural Resource's latest edition of Rainwater and Land Development, Ph.:(614) 265-6651.

### EROSION & SEDIMENT CONTROL MEASURES

- Permanent soil stabilization shall be installed on denuded areas within seven (7) days after final grade is reached. Stabilization practices will be as follows: Roadway - Base Course Installed (CRS), Graded Areas -Permanent Seeding (PV) and Mulch (M).
- Temporary soil stabilization shall be required on any denuded area which will not be regraded for longer than thirty (30) days. Temporary soil stabilization shall be applied within seven (7) days after rough grading. Stabilization practices will include: Temporary Seeding (TS) and/or Mulch (M), Construction Entrance (CE).
- Soil stockpiles shall be stabilized or protected with sediment trapping measures to prevent soil loss. Stabilization practices will include: Temporary Seeding (TS) and/or Mulch (M) and the placement of Silt Fence (SF) as shown on the Erosion and Sediment Control Plan.
- A permanent vegetative cover (PV) shall be established on denuded areas not otherwise permanently stabilized after final grading.
- All culvert entrances shall be protected by the use of Straw Bale Barriers (SBB), Silt Fence (SF) or Stone Barriers (SB) to prevent the accumulation and transportation of sediment. All catch basins shall have Inlet Protection (IP) measures installed.
- The placement, construction, inspection, maintenance and repair of all Erosion and Sediment Control Measures shall comply with the Technical Standard and Specification of the most recent edition of the handbook "Water Management and Sediment Control for Urbanizing Areas" developed by the Soil Conservation service, U.S. Department of Agriculture.

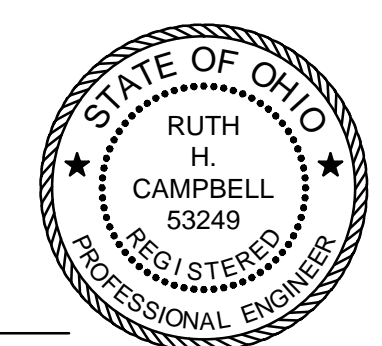


All monumentation straight and in good condition, except as noted hereon.



Redemption Pentecostal Church

Ruth H. Campbell - Registered Engineer - 53249



Existing Site

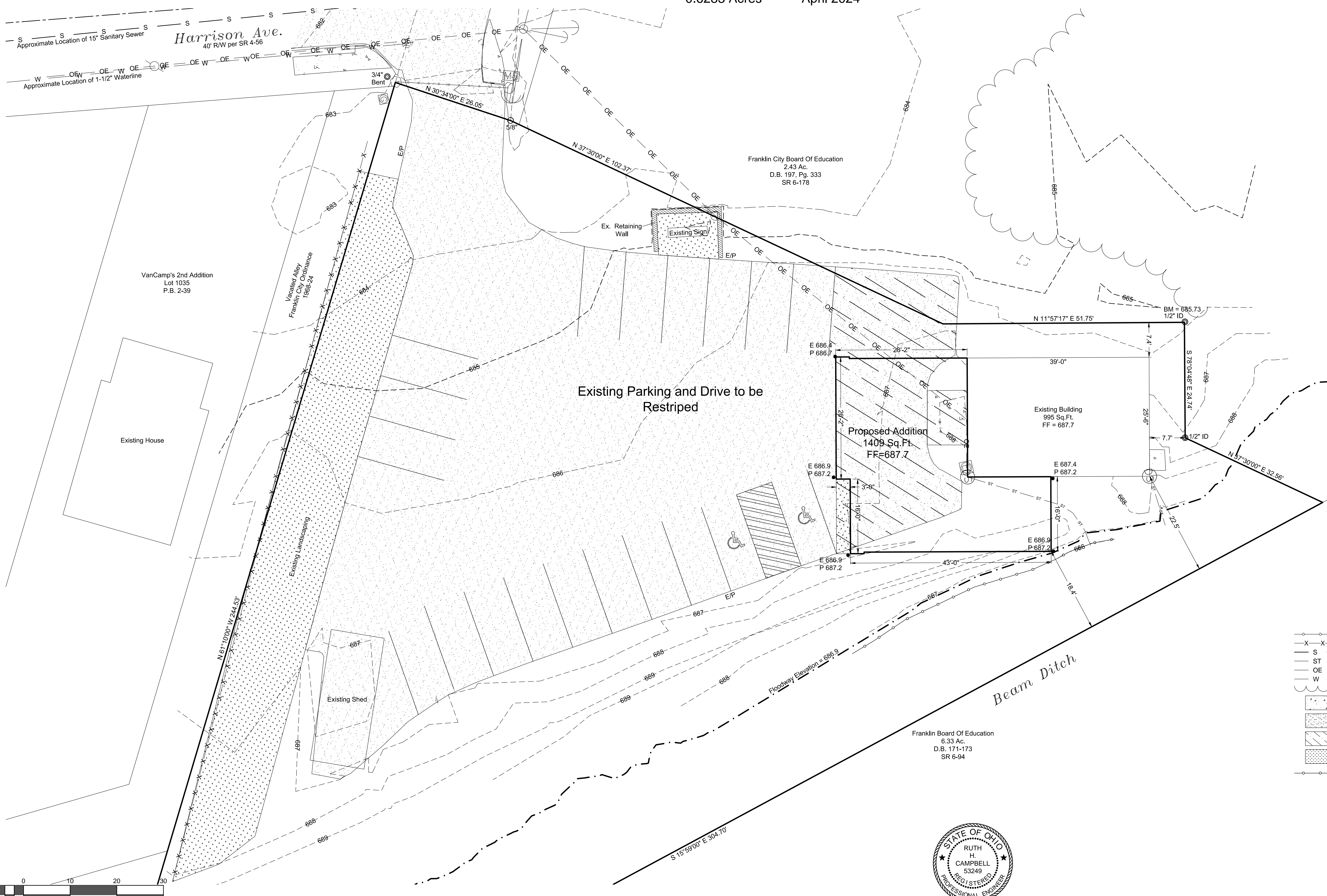
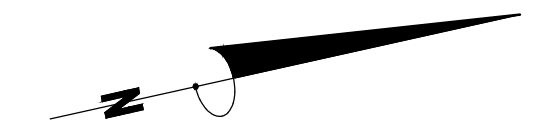
REVISIONS	DESIGNED BY:	RC	HORIZ. SCALE:	1" = 20'
	DATE:	04/10/2024	VERT. SCALE:	NA
	PROJECT NO.:	2407	SHEET NO.:	1 of 2
	PROJECT			
	Redemption Pentecostal Church			

WYCO CONSULTING, INC.

10 Stadia Drive  
Franklin, Ohio 45005  
937-743-9926

# Redemption Pentecostal Church Addition

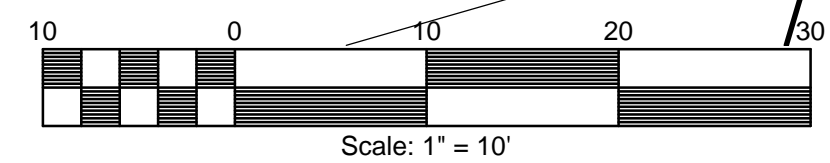
Site Plan  
Section 31, Town 2E, Range 5N  
Franklin Township, Warren County, Ohio  
0.6283 Acres April 2024



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Property Address: 650 Harrison Ave.  
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  - Present Zoning - TN-1  
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Proposed usage - Addition to Church Building
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Existing sanitary sewer - City of Franklin.  
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Existing electric service to be relocated to side of building.  
Telephone service to be underground.
  - No new Signage is proposed.
  - Lighting Plan shall conform to Section 1111.07 (d) of the City of Franklin Municipal Code.
  - Landscape plan shall conform to Section 1111.06 of the City of Franklin Municipal Code. No new landscaping is proposed.
  - Bench Mark - Iron Pipe near the NE corner of the existing building.  
Elevation = 685.73
  - Area to be disturbed = 0.055 acres (2400 S.F.)  
Impervious area to be removed = 1437 S.F.  
Impervious area to be added = 1409 S.F.  
Change in impervious area = - 28 S.F.  
No stormwater detention is proposed.
  - Contours shown on this page are from actual survey data of existing site.

- Legend
- Utility Pole
  - Light Pole
  - Guy Wire
  - Existing Electric Meter
  - Gas Meter
  - Water Meter
  - Existing Downspout
  - Found 5/8" Iron Pin
  - Found Iron Pipe
  - Chain Gate
  - Fence
  - Existing Sanitary
  - Existing Storm Pipe
  - Existing Overhead Electric Line
  - Existing Water Line
  - Treeline
  - Concrete
  - Asphalt Pavement
  - Asphalt & Concrete to be Removed
  - Landscaping
  - Proposed Silt Fence

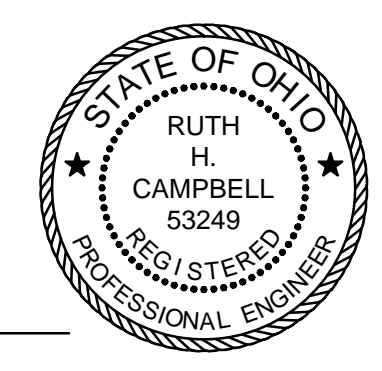
All monumentation straight and in good condition, except as noted hereon.



Scale: 1" = 10'

Redemption Pentecostal Church

Ruth H. Campbell - Registered Engineer - 53249

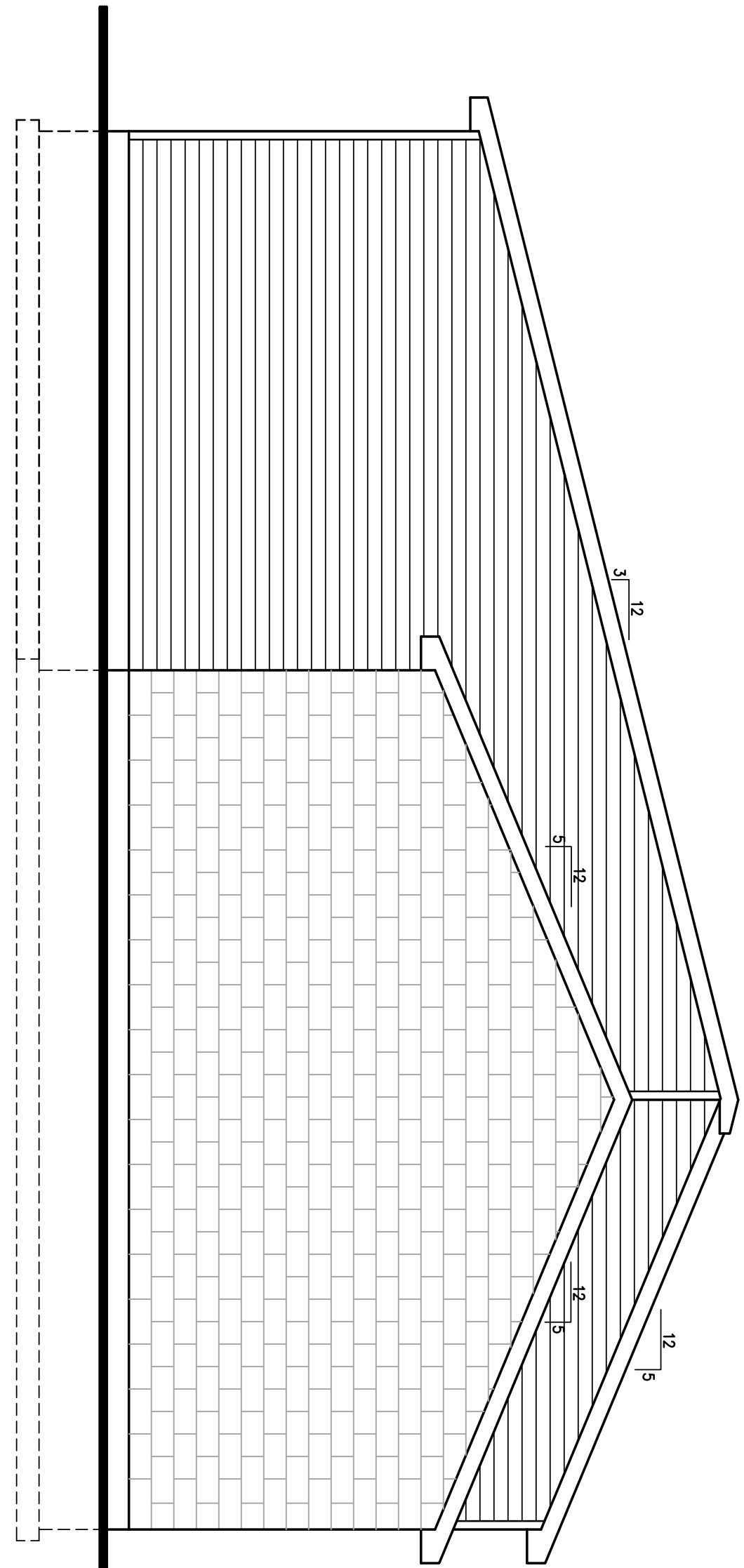


## Proposed Site

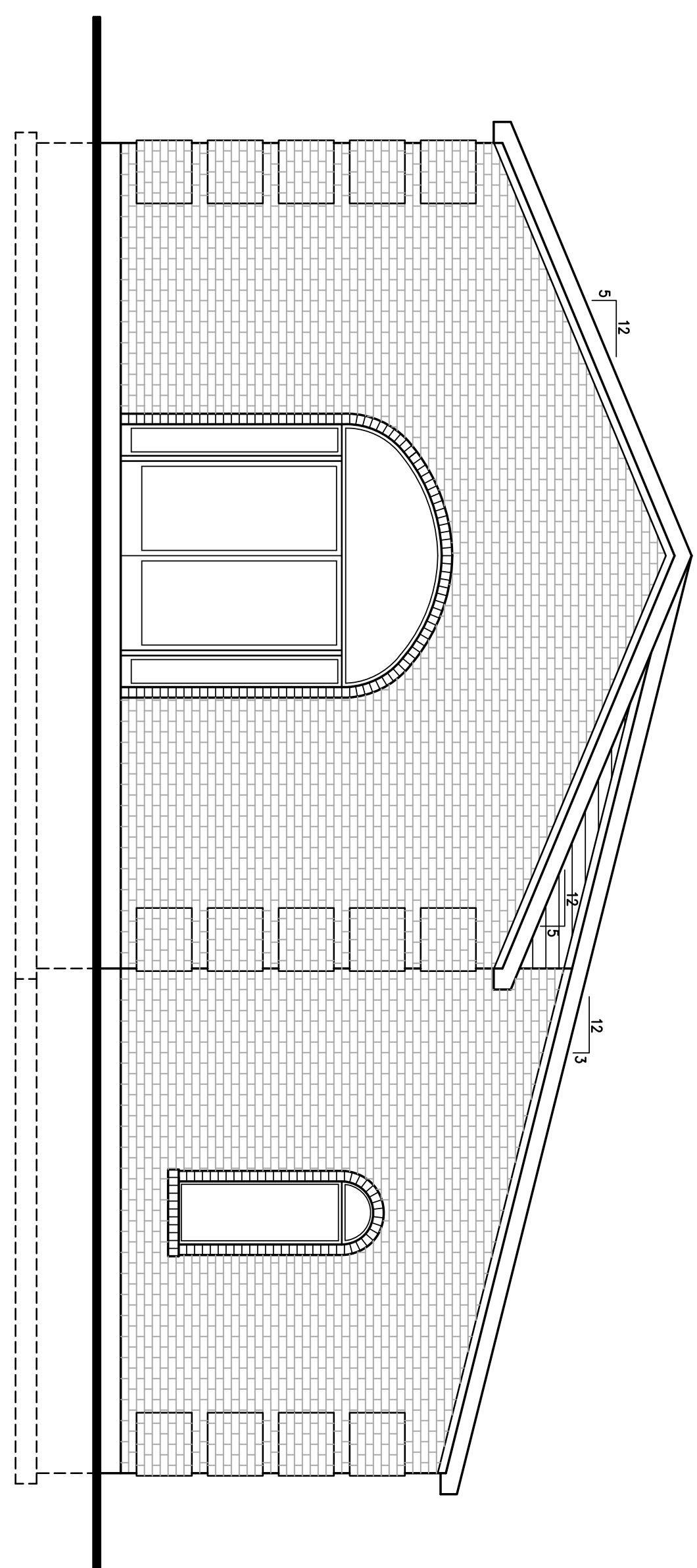
REVISIONS	DESIGNED BY:	HORIZ. SCALE:
	RC <td>1" = 10'</td>	1" = 10'
	DATE: 04/10/2024	VERT. SCALE: NA
	PROJECT NO.: 2407	SHEET NO.: 2 of 2
	PROJECT Redemption Pentecostal Church	

### WYCO CONSULTING, INC.

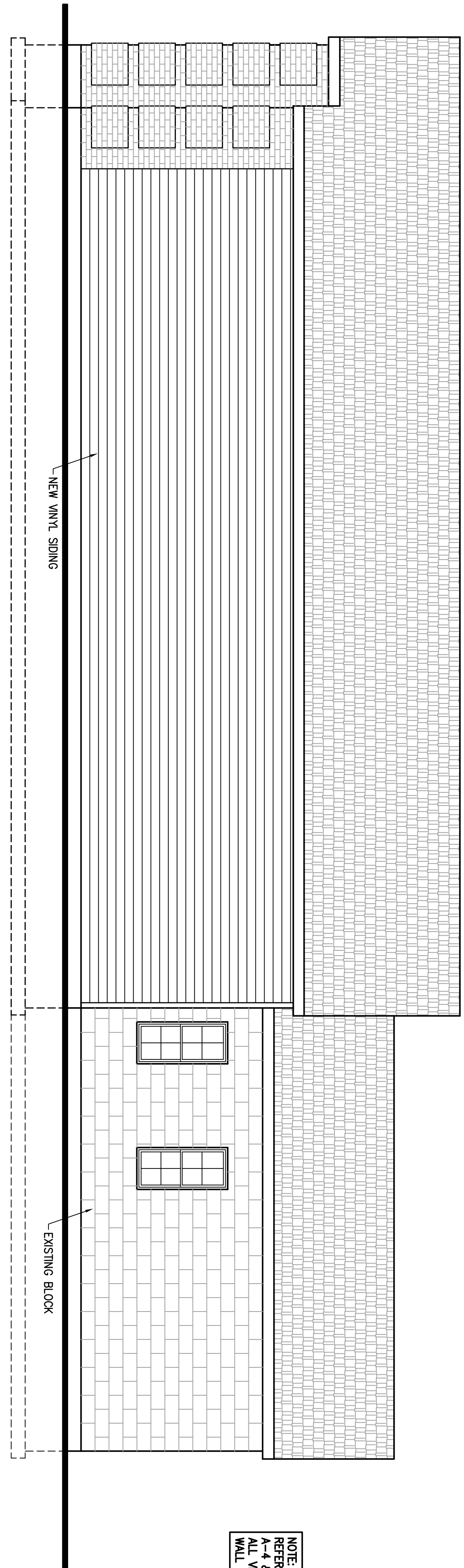
10 Stadia Drive  
Franklin, Ohio 45005  
937-743-9926



REAR ELEVATION  
1/4"=1'-0"

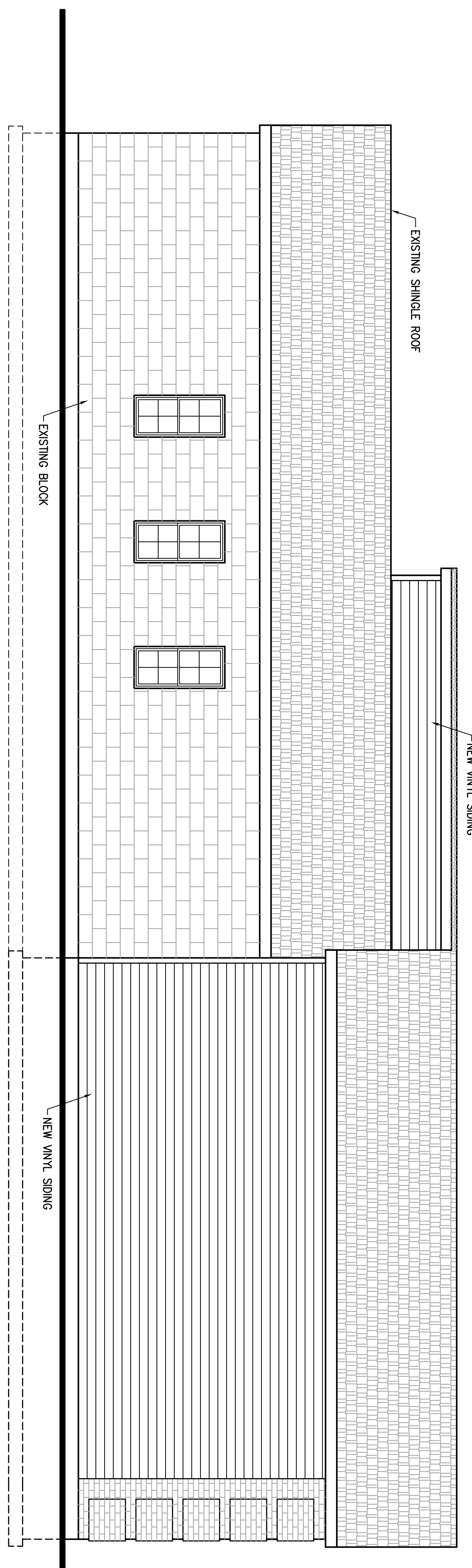


FRONT ELEVATION  
1/4"=1'-0"

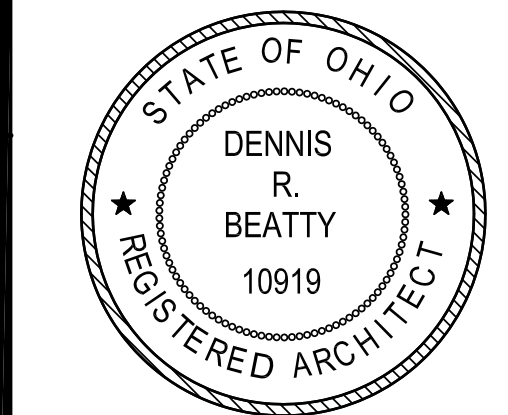


RIGHT ELEVATION  
1/4"=1'-0"

NOTE:  
REFER TO SHEETS  
A-1 & A-2 FOR  
ALL VERTICAL  
WALL DIMENSIONS

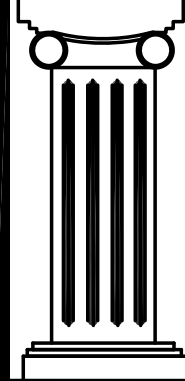


LEFT ELEVATION  
1/4"=1'-0"



Revisions:


**Dennis R. Beatty**  
architect  
1900 FIRST AVENUE  
MIDDLETOWN, OHIO 45044  
Tel : 513/424-8383 Fax : 513/424-8343  
email : architect@cinci.rr.com  
▪ Residential ▪ Commercial ▪ Industrial



PROPOSED BUILDING ADDITION  
**REDEMPTION PENTECOSTAL CHURCH**  
650 HARRISON AVENUE  
FRANKLIN, OHIO 45005

EXTERIOR ELEVATIONS

Date: 2-29-2024  
Scale: AS NOTED  
Drawn: S.F.  
Check: D.B.  
Job: 24010  
Sheet Number:

**A-6**



# PLANNING COMMISSION STAFF REPORT

To: Planning Commission Members

From: Liz Fields, AICP, Planner

Meeting Date: May 8, 2024

## PC 24-08 Major Site Plan Revision – Franklin High School Parking Lot

**Property Information:** Location: Parcels #0431178001, 0431178011, 0431178010, and 0431178003 (140 East 6<sup>th</sup> Street)  
Zoning: MU-1 & CV-1  
Proposed Number of Spaces: 96 parking spaces

**Project Overview:** The applicant SHP c/o Mark Demko is requesting approval of a major site plan revision to PC 22-02 in order to demolish the existing 89 space parking lot located to the northwest of the school along parcels #0431178003, 10, & 11 and construct a new 96 space parking lot predominately on parcel #0431178001 and abutting East 6<sup>th</sup> Street and Anderson Street.

**Comments:** Site Plan: The proposed revision rotates the existing parking lot 90 degrees and provides a net increase of six standard parking spaces and one accessible parking space based on the approved Site Plan. At this time, no other development is proposed on parcel #0431178003 which will be left as open space. Access to the proposed parking lot will utilize the existing drives along East 6<sup>th</sup> Street and 7<sup>th</sup> Street. The applicant has not provided information regarding the need to demolish the existing parking facilities and reconstruct them with along East 6<sup>th</sup> Street other than stating that it is to serve the high school.

Landscape Plan: The proposed landscaping plan includes perimeter buffering landscaping along East 6<sup>th</sup> Street and Anderson Street in the form of evergreen shrubs as well as a four-foot-high decorative metal fence with masonry piers that will match the color and style of the high school. The interior of the



parking lot is proposed to contain landscaped islands which include low deciduous shrubs and large deciduous trees.

Parking: The proposed parking area increases the number of parking spaces over that which was approved by the Planning Commission in PC 22-02 to provide seven additional parking spaces. The applicant has not provided information regarding the need for additional parking spaces or why the reconfiguration of the parking lot is necessary.

Lighting: The applicant has submitted a lighting plan for the revision which conforms to the requirements of the UDO.

Conformance with Adopted Plans: Major changes to major site plans are reviewed under the same process as major site plans. Section 1115.08(k) lists standards for major site plan approvals. The first approval standard is that the site plan complies with “all applicable” UDO requirements. Section 1107.11 of the UDO deals with downtown zoning districts, and states the intent and purpose of the downtown districts is “to implement the vision and recommendations of the Downtown Franklin Master Plan . . . .” The proposed revision to construct a parking lot that abuts East 6<sup>th</sup> Street and Anderson Street does not conform with the recommendations of the Downtown Franklin Master Plan which includes discouraging street front parking as a high priority action item for the Mixed Use Planning Area. The action item specifically states, “As new development, redevelopment, and infill development occurs within the district, promote active street fronts with parking areas to the side and rear of the building.” Additionally, the Mixed Use Planning Area is envisioned to be a dynamic, walkable district that includes a variety of uses which provide an attractive and engaging gateway into Downtown Franklin. The parking lot at the proposed location does not support this vision.

Comments from Technical Review Committee: The Franklin Fire Division has submitted the following comments regarding the proposed Major Site Plan revision if it is to be approved:

1. The Franklin Fire Division requests that the new drive be widened from 24 feet to 26 feet to allow for fire aerial apparatus room to set up and still allow one vehicle to pass. We do understand that the current entrance appears to be 24 feet but request the rest of the new drive be widened to 26 feet as much as is practical.
2. In consideration of the collapse zone in the area of the auxiliary gymnasium, the building is 31 feet tall in this location and should have a collapse zone of 46.5 feet. The total area needed to account for the collapse area and maintain a fire department access road would be 49.5 feet from the curb for a 20-foot-wide access road and 55.5 feet from the curb for a 26 foot wide fire department access to be maintained in the existing parking lot.

**Recommendation:**

Staff recommends that Planning Commission deny the Major Site Plan revision for the following reasons:

1. The applicant has not provided sufficient information regarding the need for a parking lot revision that is counter to the recommendations of the Downtown Franklin Master Plan for an increase in seven parking spaces.
  2. The applicant has provided no information on the proposed use of the remainder of the parcel #0431178001. Staff requests that the applicant provide additional context to how the remainder of the site is to be developed.
-



312 PLUM STREET, SUITE 700 | CINCINNATI, OH 45202 | 513.381.2112

March 27, 2024

Barry Conway, City Engineer  
City of Franklin  
Building and Zoning Division  
1 Benjamin Franklin Way  
Franklin, Ohio 45005

RE: Major Site Plan Application Narrative – 140 East Sixth Street, Franklin, Ohio 45005

Dear Mr. Conway:

Franklin City Schools proposes site improvements on the parcels to the west of the new Franklin High School building located at 140 East Sixth Street. The School District intends to begin work Summer of 2024. The site consists of multiple parcels which will be consolidated. Demolition and abatement of the structures on these parcels has already taken place. In addition, all required right-of-way dedications will be made.

The proposed site improvements consist of a paved parking area on the northern portion of the site, along East Sixth Street, that reconfigures existing parking to serve the new Franklin High School building. The parking count will be 98 regular spaces and 5 accessible spaces, an increase of 14 regular and 1 accessible space for the parking area it will be replacing. General illumination and security lighting will be provided throughout the parking areas. The remainder of the site will be graded out to provide a lawn area

Landscaping and screening is provided to address parking as required. 4' high decorative metal fencing with masonry piers, matching color and style of the new High School, is proposed along East Sixth Street on the north, and Anderson Street on the west along the full extent of the parking area. Evergreen shrubs will be planted between the fencing and the parking area to further screen the parking. Landscaped islands within the parking area will be planted with low deciduous shrubs and large deciduous trees at each island.

Storm water drainage, electric and technology will all serve the new facility. Emergency and Service vehicle access to the High School shall be maintained and will continue to have a safe path for entry and exit from the site.



312 PLUM STREET, SUITE 700 | CINCINNATI, OH 45202 | 513.381.2112

Thank you for your time and attention.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark A. Demko". The signature is fluid and cursive, starting with a large loop on the left and ending with a small flourish on the right.

Mark A. Demko, AIA,  
Project Architect  
Phone: 513.381.2112  
Email: mdemko@shp.com













**E SHP**  
233 Fairfield Avenue, Ste. 100  
Franklin, Ohio 45005  
614.223.2124  
1036 N. 4th Street, Ste. 111  
Franklin, Ohio 45001  
614.223.2124  
312 Plum Street, Ste. 700  
Franklin, Ohio 45002  
614.223.2124

**FRANKLIN CITY SCHOOLS**  
**FRANKLIN HS - SITE IMPROVEMENTS**  
140 E 6th Street, Franklin, OH 45005  
**FRANKLIN CITY SCHOOLS**  
754 E 4th Street, Franklin, OH 45005

ISSUANCES

NO.	DATE	DESCRIPTION
11-06-23	03-15-2024	DESIGN DEVELOPMENT
03-15-24	03-15-2024	PLANNING COMMISSION

LOCATION PLAN

DATE 03-15-2024  
COMM NO. 2020108.03

**C130**

**PROPOSED LEGEND**

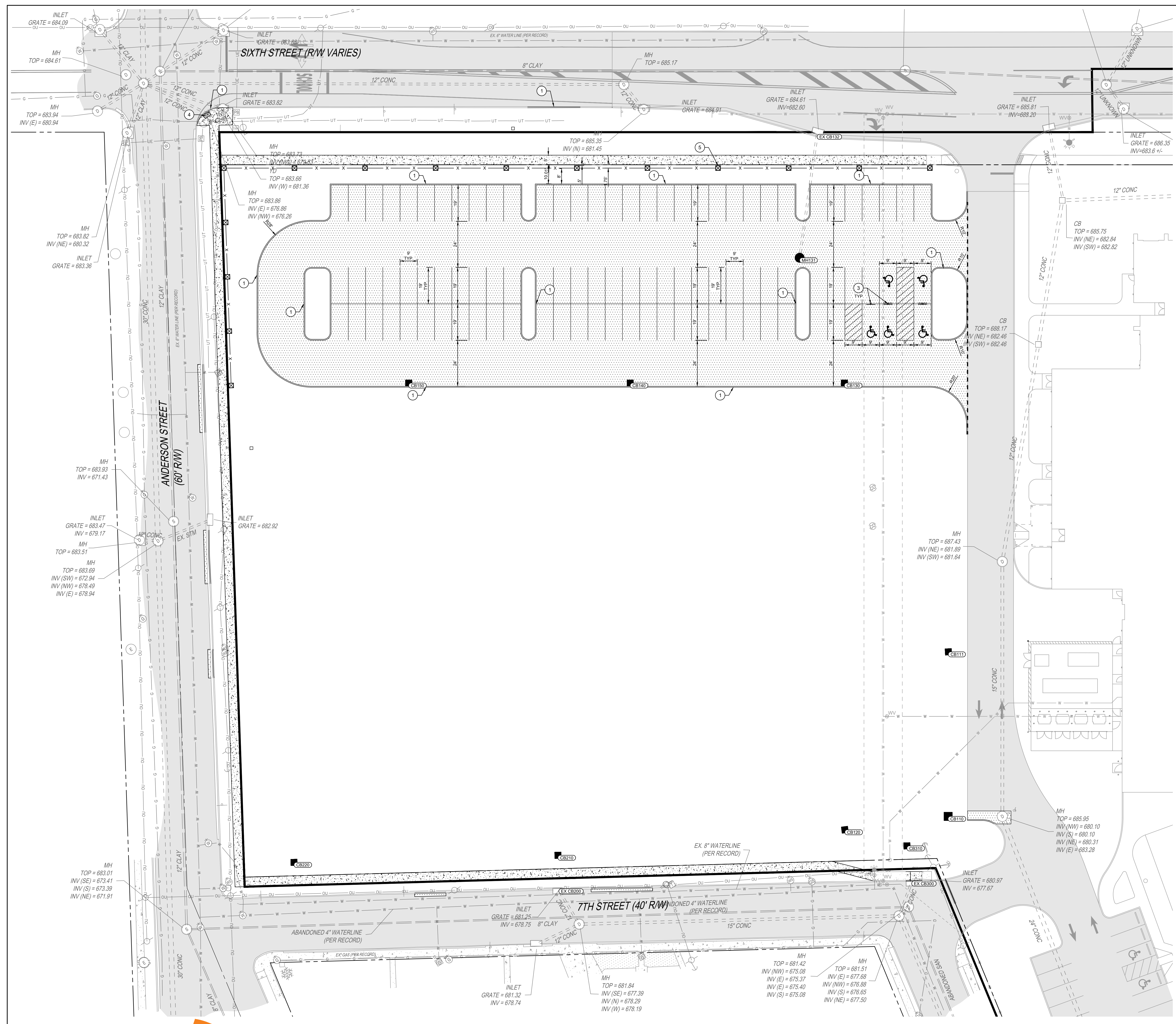
- STANDARD DUTY ASPHALT PAVEMENT PER DETAIL 1/C100
- CONCRETE WALK PER DETAILS 2/C100 AND 3/C100
- CATCH BASIN

**PARKING COUNT TABLE**

TYPE	COUNT
91 STANDARD PARKING SPACES	
5 ACCESSIBLE PARKING SPACES	

- LOCATION PLAN KEYNOTES**
- 1 BARRIER CURB PER DETAIL 4/C100
  - 2 CURB AND GUTTER PER DETAIL 5/C100
  - 3 ACCESSIBLE PARKING SIGN PER DETAIL 6/C100
  - 4 DETECTABLE WARNINGS PER DETAIL 8/C100
  - 5 COLUMN + FENCE, REFER LANDSCAPE DETAILS L200

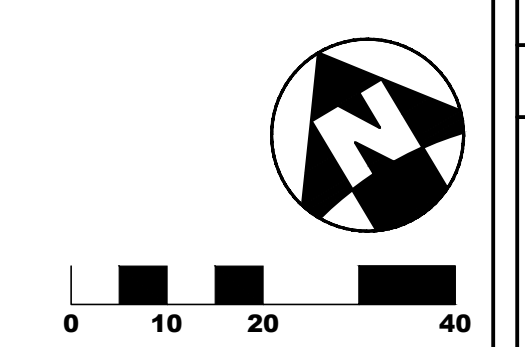
- LOCATION PLAN GENERAL NOTES:**
- A. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT AND/OR BACK OF CURB, UNLESS OTHERWISE NOTED
  - B. ALL STANDARD PARKING SPACES ARE TO BE 9' X 19' UNLESS OTHERWISE NOTED
  - C. PARKING LOT STRIPING SHALL BE 4" WIDE HIGHWAY-TYPE APPLIED IN ACCORDANCE WITH THE PLAN. CAR STRIPING SHALL BE WHITE.
  - D. ALL RADII TO BE 4' UNLESS OTHERWISE NOTED
  - E. ALL CATCH BASINS SET IN PAVEMENT SHALL BE INSTALLED WITH A CONCRETE APRON AND FINGER DRAINS PER DETAIL 7/C100



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West Chester, OH 45089  
513.779.7851









**E SHP**  
233 Fairfield Avenue, Ste. 100  
Columbus, Ohio 43215  
614.223.2124  
614.223.2125

**FRANKLIN CITY SCHOOLS**  
**FRANKLIN HS - SITE IMPROVEMENTS**  
140 E 6th Street, Franklin, OH 45005  
**FRANKLIN CITY SCHOOLS**  
754 E 4th Street, Franklin, OH 45005

ISSUANCES

NO.	DATE	DESCRIPTION
11-06-23		DESIGN DEVELOPMENT
03-15-24		PLANNING COMMISSION

GRADING PLAN

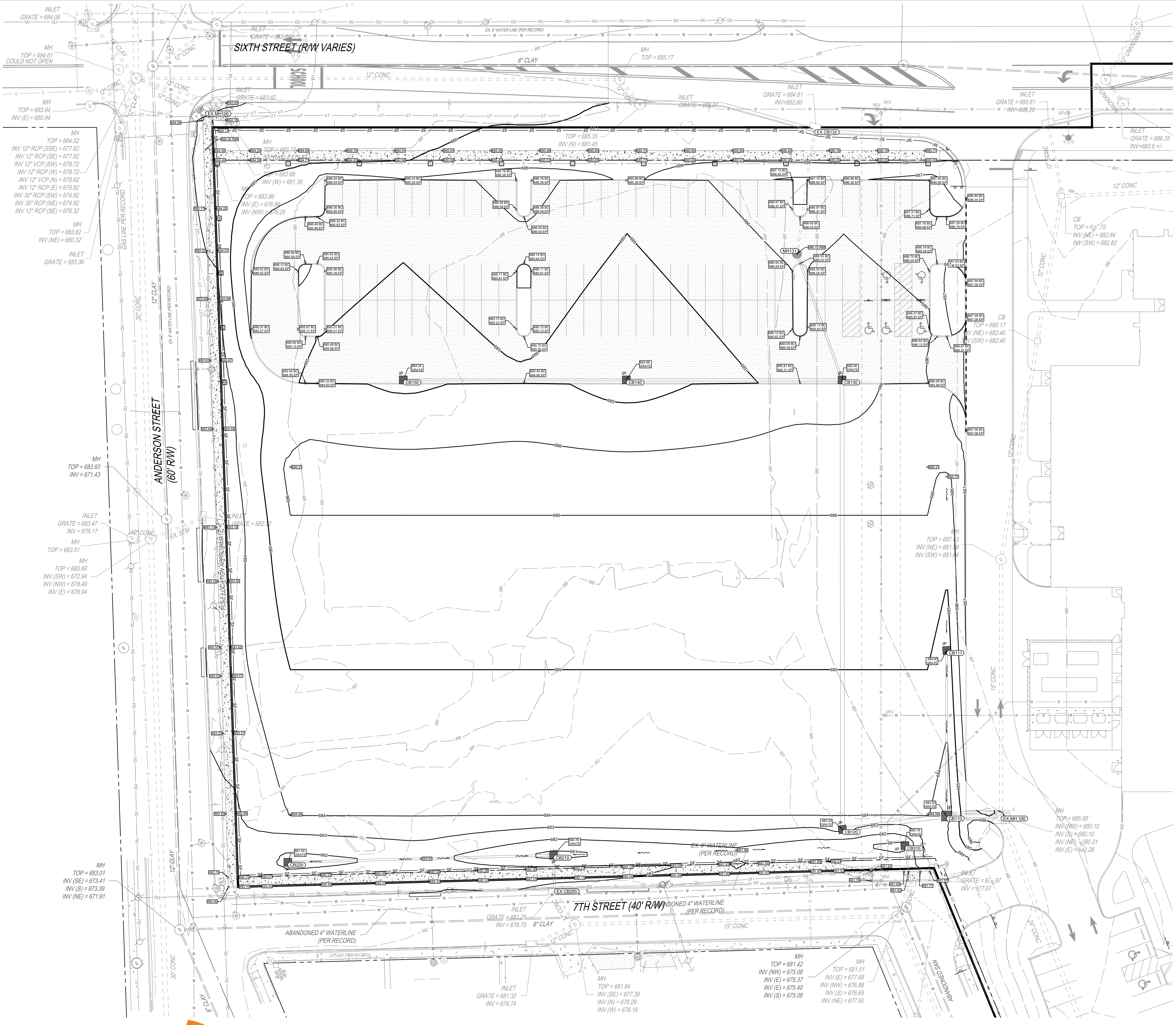
DATE 03-15-2024  
COMM NO. 2020108.03

**C150**

- GRADING LEGEND**
- 1215 — EXISTING MAJOR CONTOUR
  - 1216 — EXISTING MINOR CONTOUR
  - 1215 — PROPOSED MAJOR CONTOUR
  - 1216 — PROPOSED MINOR CONTOUR
  - × 1215.00 — PROPOSED SPOT ELEVATION
  - — PROPOSED SWALE
  - — 100-YEAR FLOOD ROUTE

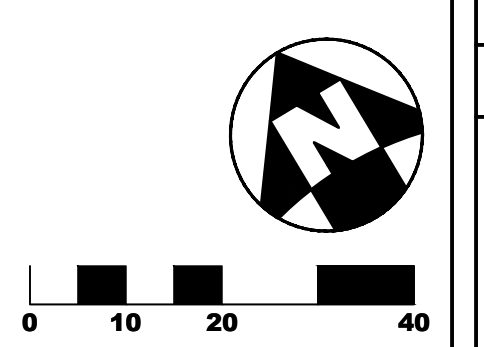
- SPOT ELEVATION LEGEND**
- × 1215.00 — FINISHED GRADE ELEVATION
  - × 1215.00 BC — BACK OF CURB ELEVATION
  - × 1215.00 EC — EDGE OF CONCRETE ELEVATION
  - × 1215.00 EP — EDGE OF PAVEMENT ELEVATION
  - × 1215.00 RM — MANHOLE / CLEANOUT RIM ELEVATION
  - × 1215.00 TC — STORM INLET TOP OF CASTING ELEVATION
  - × 1215.00 — GRATE — CATCH BASIN GRATE ELEVATION

- EROSION CONTROL LEGEND**
- IP — INLET PROTECTION
  - SF — SILT FENCE



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West Chester, OH 45089  
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NOTE: UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

PROJECT DATA

PROJECT DESCRIPTION
NEW PARKING LOT AND LAWN AREA. IMPROVEMENTS TO INCLUDE HARDSCAPE, UTILITIES, AND LANDSCAPING
LATITUDE: N 39°32'22.11"
LONGITUDE: W 84°18'10.72"

CONSTRUCTION SEQUENCE

- TO COMPLETE THE EXCAVATION AND CONSTRUCTION OF THE PROPOSED JOB IMPROVEMENTS. COORDINATION OF THE CONTRACTORS WORK CREWS WILL BE REQUIRED. THE EXISTING DITCHES WILL PERFORM TEMPORARY SEDIMENT CONTROL AND STORAGE DURING THE PROPOSED CONSTRUCTION. WORK WILL GENERALLY PROCEED FROM DOWNSTREAM TO UPSTREAM IN THESE WORK AREAS. THE GENERAL CONSTRUCTION SEQUENCE IS AS FOLLOWS:
A) INSTALL EROSION CONTROL ITEMS.
B) STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL THROUGH THE INCREMENTAL WORK AREA.

EMERGENCY ACTION & SPILL PREVENTION PLAN

THE SCOPE OF WORK COVERED BY THIS PLAN INCLUDES EMERGENCY RESPONSE TO SPILLS, CONTAINMENT OF SPILLED LIQUIDS, EMERGENCY NOTIFICATION NUMBERS, AND SOIL EXCAVATION FOR SPILL CLEAN-UP.

IN THE EVENT OF A SPILL EVENT THE EMPLOYEE SHALL ASSESS THE SPILL AND IMMEDIATELY NOTIFY THE SAFETY OFFICER AND SUPERVISOR IN CHARGE, OR OTHER INDIVIDUALS AS LISTED BELOW.

Table with 3 columns: TITLE, NAME, PHONE NUMBER. Includes Site Superintendent and Project Engineer.

IMMEDIATELY AFTER NOTIFICATION, THE EMPLOYEE WILL BE DIRECTED BY THE SAFETY OFFICER, OR RESPONSIBLE PARTY TO START CONTAINMENT PROCEDURES TO PREVENT THE MATERIAL FROM REACHING THE STORM SEWERS, DRAINAGE DITCH, AND OTHER OUTLETS USING THE FOLLOWING ACTIONS OR ANY OTHER MEANS NECESSARY WITHOUT COMPROMISING WORKER SAFETY:
1) CLEAR PERSONNEL FROM THE SPILL AREA AND ROPE OFF AREA.
2) STOP THE SPILL.
3) USE SORBENT MATERIALS, PLUG PUTTY, OR HOLE PUTTY AS NECESSARY TO CONTROL THE SPILL AT THE SOURCE.
4) CONSTRUCT A TEMPORARY CONTAINMENT DIKE OF SORBENT MATERIALS OR DIRT TO CONTAIN SPILL.

SPILL KITS WILL BE LOCATED ON THE PROJECT AS DESIGNATED ON THE SWPPP PLAN.

UPON COMPLETION OF CONTAINMENT OPERATIONS, PROPER CLEAN-UP PROCEDURES WILL BE IMPLEMENTED IN ACCORDANCE WITH REGULATORY PROCEDURES.

IF THE SPILL EXCEEDS 25 GALLONS, THE FOLLOWING ORGANIZATIONS SHALL BE CONTACTED WITHIN 30 MINUTES OF THE INCIDENT:

Table with 2 columns: Organization Name, Contact Information. Includes Ohio EPA Emergency Response Center.

GENERAL NOTES

THE CONTRACTOR IS HEREBY ADVISED THAT STRICTER POLLUTION CONTROL STANDARDS AND ENFORCEMENT HAVE BEEN IMPOSED BY THE OHIO EPA SINCE MARCH 10, 2003 AND WITH REVISIONS IN APRIL 2018 AND IN APRIL 2023. ALSO, MANY PRIVATE CITIZEN ENVIRONMENTAL GROUPS, WHO HAVE BEEN KNOWN TO FILE CIVIL LEGAL ACTIONS, ARE PRESENT IN THE AREA AND OBSERVE ALL CONSTRUCTION OPERATIONS.

THE CONTRACTOR SHALL INFORM ALL SUBCONTRACTORS OF THE REQUIREMENTS AND RESPONSIBILITIES OF THE SWPPP AND SHALL DOCUMENT ALL SUCH NOTIFICATIONS AND/OR DISCUSSIONS.

THE CONTRACTOR WILL BE REQUIRED TO PARTICIPATE IN SEDIMENT AND EROSION CONTROL INSPECTIONS ON A WEEKLY BASIS AND SIGN AN APPROVED INSPECTION SHEET THAT SHALL BE KEPT ON FILE AT THE JOB SITE.

UNLESS OTHERWISE NOTED, STANDARDS AND SPECIFICATIONS ESTABLISHED IN THE LATEST EDITION OF THE OEPA "RAINWATER AND LAND DEVELOPMENT" HANDBOOK SHALL GOVERN THE EROSION AND SEDIMENT CONTROL INSTALLATIONS SPECIFIED ON THIS PLAN.

THIS PROJECT WILL INVOLVE SEVERAL CONSTRUCTION PHASES AND SEQUENCING THROUGHOUT ITS LIFETIME. IT IS VERY IMPORTANT THAT ALL TEMPORARY SEDIMENT AND EROSION CONTROL (S&EC) FIELD METHODS ALONG WITH THIS PLAN, ARE UPDATED TO REFLECT THE ACTUAL FIELD CONDITIONS, CURRENT WEATHER CONDITIONS AND SITE GRADE CHANGES. THE ENGINEER OR THE OHIO EPA CAN AND WILL MODIFY THIS PLAN AS NECESSARY.

THE CONTRACTOR WILL VOLUNTARILY SELF REPORT ANY POTENTIAL VIOLATIONS OF THE OEPA NPDES PERMIT TO THE ENGINEER AND THE OEPA.

THE CONTRACTOR SHALL REMOVE EXISTING GROUND COVER ONLY AS NECESSARY FOR THE PROJECT PHASE CURRENTLY UNDER CONSTRUCTION.

CONSTRUCTION AND DEMOLITION DEBRIS SHALL BE PROPERLY DISPOSED OF ACCORDING TO OHIO EPA REQUIREMENTS.

THE CONTRACTOR WILL BE REQUIRED TO BUILD SEDIMENT BASINS OR SEDIMENT TRAPS OR USE EQUAL METHODS TO DETAIN AND CLEAN WATER TO ACCEPTABLE EPA STANDARDS BEFORE RELEASING THE WATER BACK INTO THE STREAM.

THERE SHALL BE NO TURBID DISCHARGES TO SURFACE WATERS, RESULTING FROM DEWATERING ACTIVITIES. SEDIMENT-LADEN WATER MUST PASS THROUGH A SETTLING POND, FILTER BAG, OR OTHER COMPARABLE PRACTICE, PRIOR TO DISCHARGE.

NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.

ALL PROCESS WASTEWATER (EQUIPMENT WASHING, LEACHATE FROM ON-SITE WASTE DISPOSAL, ETC.) SHALL BE COLLECTED AND DISPOSED OF AT A PUBLICLY OWNED TREATMENT WORKS.

ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH ALL LOCAL EROSION/SEDIMENT CONTROL, WASTE DISPOSAL, SANITARY AND HEALTH REGULATIONS.

OTHER EROSION CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND IMPLEMENTATION OF ADDITIONAL EROSION CONTROL ITEMS, AT THE ENGINEER'S DISCRETION.

NO SOIL, ROCK, DEBRIS OR OTHER MATERIAL SHALL BE DUMPED OR PLACED IN ANY AREAS NOT ADEQUATELY PROTECTED BY EROSION CONTROL INSTALLATIONS.

IT IS PREFERRED TO USE PERMANENT EROSION CONTROL ITEMS AS SHOWN IN THE PLANS TO CONTROL CONSTRUCTION POLLUTION WHEN POSSIBLE. OTHERWISE, THE TEMPORARY POLLUTION PREVENTION ITEMS ARE TO BE USED.

MOST TEMPORARY S&EC METHODS, INCLUDING BUT NOT LIMITED TO, SILT FENCE AND DITCH CHECKS MAY ALL HAVE TO BE PERIODICALLY REMOVED AND REPLACED, OR MOVED FROM THE EXISTING ROAD DITCH OR STRIPPED AREAS AS WORK PROGRESSES. ANY CHANGES SHALL BE NOTED IN THE PLAN BY RED LINE AND DATED ON A CORRECTIVE ACTION LOG.

ALL TEMPORARY SEDIMENT CONTROLS AND STORM WATER QUALITY METHODS WILL BE BUILT/INSTALLED AS THE PROJECT PROGRESSES TO ELIMINATE UNNECESSARY DISTURBANCE AND REDUNDANCY. ALL TEMPORARY CONTROLS SHALL BE IN PLACE AND FUNCTIONING PROPERLY WHEN THREATENING WEATHER IS IMMINENT.

"TEMPORARY STABILIZATION" MEANS THE ESTABLISHMENT OF TEMPORARY VEGETATION, MULCHING, GEOTEXTILES, SOD, PRESERVATION OF EXISTING VEGETATION AND OTHER TECHNIQUES CAPABLE OF QUICKLY ESTABLISHING COVER OVER DISTURBED AREAS TO PROVIDE EROSION CONTROL BETWEEN CONSTRUCTION OPERATIONS.

"PERMANENT STABILIZATION" MEANS THE ESTABLISHMENT OF PERMANENT VEGETATION, DECORATIVE LANDSCAPE MULCHING, MATTING, SOD, RIP RAP AND LANDSCAPING TECHNIQUES TO PROVIDE PERMANENT EROSION CONTROL ON AREAS WHERE CONSTRUCTION OPERATIONS ARE COMPLETE OR WHERE NO FURTHER DISTURBANCE IS EXPECTED FOR AT LEAST A YEAR.

OFF-SITE TRACKING OF SEDIMENTS SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ALL PAVED STREETS ADJACENT TO THE SITE WILL BE SWEEP DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARP.

STABILIZATION PRACTICES

PERMANENT SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA GUIDELINES AS SET FORTH IN PART II.B OF OHIO EPA PERMIT NO.: OHC000006. (SEE TABLE 1)

Table 1: Permanent Stabilization. Columns: Area Requiring Permanent Stabilization, Time Frame to Apply Erosion Controls. Rows: Any areas that will lie dormant for one year or more, Any areas within 50 feet of a surface water of the state and at final grade, Any other areas at final grade.

TEMPORARY SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA GUIDELINES AS SET FORTH IN PART II.B OF OHIO EPA PERMIT NO.: OHC000006. (SEE TABLE 2)

Table 2: Temporary Stabilization. Columns: Area Requiring Temporary Stabilization, Time Frame to Apply Erosion Controls. Rows: Any disturbed areas with 50 feet of a surface water of the state and not at final grade, For all construction activities, any disturbed areas that will be dormant for more than 14 days but less than one year, and not within 50 feet of a surface water of the state.

ALL DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).

SEEDING & MULCHING

MULCH AND/OR OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 14 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.

MULCH SHALL CONSIST OF UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1000 SQ. FT. (TWO TO THREE BALES). THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1000-SQ.-FT. SECTIONS AND PLACE TWO 45-LB. BALES OF STRAW IN EACH SECTION.

MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH:

- 1) MECHANICAL-USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL, SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 IN.
2) MULCH NETTINGS-USE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING SUGGESTIONS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.
3) SYNTHETIC BINDERS-FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATERS OF THE STATE.
4) WOOD CELLULOSE FIBER - WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB./ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB./100 GAL. OF WOOD CELLULOSE FIBER.

Table: Temporary Seeding & Mulching for Erosion Control. Columns: Seed Type, Per 1,000 sq ft, Per Acre. Rows: Perennial Ryegrass, Tall Fescue, Annual Ryegrass, Small Grain Straw, Fertilizer.

NOTE: OTHER APPROVED SPECIES MAY BE SUBSTITUTED

STOCKPILE

SILT FENCING SHALL BE INSTALLED AROUND TEMPORARY SPOIL STOCKPILES. THESE STOCKPILES SHALL BE STRAW MULCHED AND/OR TEMPORARILY SEEDED WITHIN 7 WORKING DAYS IF LEFT DORMANT FOR 14 DAYS OR LONGER.

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, CONSTRUCTION ENTRANCE(S) AND SILT FENCE WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. SEDIMENT CONTROL DEVICES SHALL BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED LONGER THAN 14 DAYS AND/OR WITHIN 7 DAYS OF ANY GRUBBING ACTIVITIES. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 14 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 2 DAYS OF THE LAST DISTURBANCE IF THE AREA IS WITHIN 50 FEET OF A STREAM, AND WITHIN 7 DAYS OF THE LAST DISTURBANCE IF THE AREA IS MORE THAN 50 FEET AWAY FROM A STREAM. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE BASIN.

Table: Stabilization Type. Columns: Stabilization Type, J, F, M, A, M, J, J, A, S, O, N, D. Rows: Permanent Seeding, Dormant Seeding, Temporary Seeding, Sodding, Mulching.

\* IRRIGATION NEEDED

\*\* IRRIGATION NEEDED FOR 2-3 WEEKS AFTER SOD IS APPLIED

INSPECTIONS

ALL BMPs ON THIS SITE SHALL BE INSPECTED BY "QUALIFIED INSPECTION PERSONNEL" ASSIGNED BY THE CONTRACTOR OR DESIGNATED REPRESENTATIVE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND BY THE END OF THE NEXT CALENDAR DAY, EXCLUDING WEEKENDS AND HOLIDAYS UNLESS WORK IS SCHEDULED. AFTER A RAIN EVENT OF 0.5 INCHES PER 24 HOUR PERIOD, A RECORD OF THESE INSPECTIONS SHALL BE MAINTAINED IN THE CONSTRUCTION OFFICE WITH THE SWPPP FOR PUBLIC VIEWING. ANY VIOLATIONS WILL BE REPORTED THROUGH THE PROJECT PERSONNEL. A RAIN GAUGE WILL BE LOCATED WITHIN THE PROJECT LIMITS.

FOLLOWING EACH INSPECTION, A CHECKLIST MUST BE COMPLETED AND SIGNED BY THE QUALIFIED INSPECTION PERSONNEL REPRESENTATIVE. AT A MINIMUM, THE INSPECTION REPORT SHALL INCLUDE:

- 1. THE INSPECTION DATE;
2. NAMES, TITLES, AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION;
3. WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF CONSTRUCTION ACTIVITY IF THE FIRST INSPECTION) INCLUDING A BEST ESTIMATE OF THE BEGINNING OF EACH STORM EVENT, DURATION OF EACH STORM EVENT, APPROXIMATE AMOUNT OF RAINFALL FOR EACH STORM EVENT (IN INCHES), AND WHETHER ANY DISCHARGES OCCURRED.

- 4. WEATHER INFORMATION AND A DESCRIPTION OF ANY DISCHARGES OCCURRING AT THE TIME OF THE INSPECTION;
5. LOCATION(S) OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE;
6. LOCATION(S) OF BMPs THAT NEED TO BE MAINTAINED;
7. LOCATION(S) OF BMPs THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION;
8. LOCATION(S) WHERE ADDITIONAL BMPs ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION; AND
9. CORRECTIVE ACTION REQUIRED INCLUDING ANY CHANGES TO THE SWP3 NECESSARY AND IMPLEMENTATION DATES.

MAINTENANCE

THE CONTRACTOR SHALL MAINTAIN, REPAIR, OR REPLACE ALL EROSION CONTROL INSTALLATIONS AS NEEDED TO ENSURE THE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL REPAIRS TO BMPs SHALL BE MADE WITHIN 3 DAYS (OR SOONER IF POSSIBLE) OF NOTIFICATION OF DEFICIENCIES. IF THE CORRECTIONS ARE NOT MADE WITHIN THE 3 DAY PERIOD, LIQUIDATED DAMAGES MAY BE ASSESSED AS PER THE ODOT CMS SECTION 108.07.

ONGOING INSPECTION OF INSTALLATIONS WILL BE PERFORMED BY THE CONTRACTOR OR DESIGNATED REPRESENTATIVE.

ANY TRAPPED SEDIMENT OR DEBRIS REMOVED DURING CLEANING OF OR REMOVAL OF BMP INSTALLATIONS SHALL BE PLACED IN AREAS NOT SUBJECT TO EROSION AND PERMANENTLY STABILIZED.

DUST CONTROL

DUST CONTROL INVOLVES PREVENTING OR REDUCING DUST FROM EXPOSED SOILS OR OTHER SOURCES DURING LAND DISTURBING, DEMOLITION AND CONSTRUCTION ACTIVITIES TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARDS, TRAFFIC SAFETY PROBLEMS OR HARM ANIMAL OR PLANT LIFE.

THE FOLLOWING SPECIFICATIONS FOR DUST CONTROL SHALL BE FOLLOWED ONSITE:

- 1. VEGETATIVE COVER AND MULCH - APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 14 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS. SEE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING PRACTICES, AND TREE AND NATURAL AREA PROTECTION PRACTICES.
2. WATERING - SPRAY SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEEDED, ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS SHALL BE UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS.
3. SPRAY-ON ADHESIVES - APPLY ADHESIVE ACCORDING TO THE FOLLOWING TABLE OR MANUFACTURERS' INSTRUCTIONS.

Table: Adhesive. Columns: Adhesive, Water Dilution (Adhesive:Water), Nozzle Type, Application Rate (Gal/Ac). Rows: Latex Emulsion, Resin in Water Acrylic Emulsion (No Traffic), Acrylic Emulsion (No Traffic), Acrylic Emulsion (Traffic).

PERMITEE

NAME: \_\_\_\_\_
ADDRESS1: \_\_\_\_\_
ADDRESS2: \_\_\_\_\_
PHONE: \_\_\_\_\_
FAX: \_\_\_\_\_
CONTACT: \_\_\_\_\_
EMAIL: \_\_\_\_\_
GENERAL PERMIT: OHC000006
NPDES PERMIT: XXXXXXXX
DATE OF ISSUE: XX/XX/XXXX

SPILL PREVENTION

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING:

- 1. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
2. ALL MATERIAL STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
4. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
5. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
6. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
7. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

HAZARDOUS PRODUCTS:

- 1. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
2. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
3. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

- 1. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
3. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
4. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE. SPILLS OF 25 OR MORE GALLONS OF PETROLEUM WASTE MUST BE REPORTED TO OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE SPILL. ALL SPILLS, WHICH RESULT IN CONTACT WITH WATERS OF THE STATE, MUST BE REPORTED TO THE OHIO EPA'S HOTLINE.
5. SOILS CONTAMINATED BY PETROLEUM OR OTHER CHEMICAL SPILLS MUST BE TREATED/DISPOSED AT AN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL PLANT (TSPD).
6. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
7. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.

PRODUCT SPECIFIC PRACTICES

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FUEL STORAGE TANKS SHALL BE LOCATED AWAY FROM SURFACE WATERS AND STORM SEWER SYSTEM INLETS. FUEL TANKS SHALL BE STORED IN A DIKED AREA CAPABLE OF HOLDING 150% OF THE TANK CAPACITY.

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

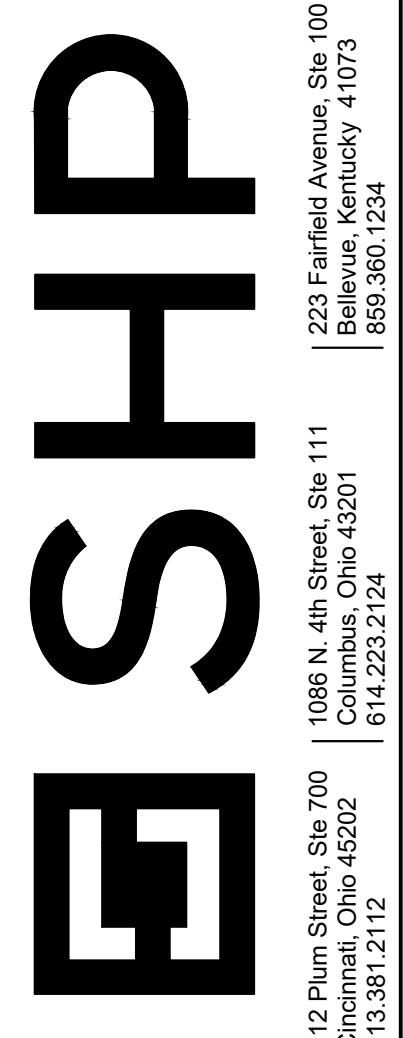
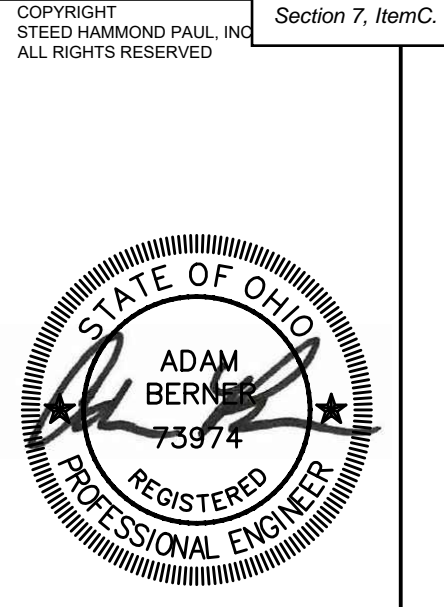
CONCRETE WASH WATER/WASH OUTS

CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER. FIELD TILE OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN 10 FT. OF THE SUMP SHALL BE CUT AND PLUGGED. FOR SMALL PROJECTS, TRUCK CHUTES MAY BE RINSED ON THE LOT AWAY FROM ANY WATER CONVEYANCES.



NOTE: UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILED LIST OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.

CIVIL ENGINEERING SURVEYING www.kleingers.com
LANDSCAPE ARCHITECTURE
6219 Centre Park Dr.
West Chester, OH 45089
513.779.7851



FRANKLIN CITY SCHOOLS
FRANKLIN HS - SITE IMPROVEMENTS
140 E 6th Street, Franklin, OH 45005
FRANKLIN CITY SCHOOLS
754 E 4th Street, Franklin, OH 45005

Table: ISSUANCES. Columns: Date, Description. Includes Design Development and Planning Commission.

EROSION CONTROL NOTES & DETAILS

DATE: 03-15-2024
COMM NO.: 2020108.03

C160









**LIGHTING FIXTURE LEGEND**

**LIGHTING FIXTURE TAGS**

- CAPITAL LETTER WITH NUMBER DENOTES FIXTURE TYPE - REFER TO LIGHT FIXTURE SCHEDULE BELOW.
- SMALL LETTER DENOTES SWITCH LEG/RELAY NUMBER - REFER TO E100 SERIES DRAWINGS FOR TYPICAL ROOM LAYOUTS.

**GENERAL NOTES - LIGHT FIXTURES:**

- ALL LIGHT POLE FIXTURES ARE EXISTING TO REMAIN OR EXISTING TO BE RELOCATED.
- INFORMATION BELOW IS FOR REFERENCE ONLY.

FIXTURE TYPE	EXISTING FIXTURE	FIXTURE BASIS OF DESIGN	FIXTURE DESCRIPTION	LAMP	LIGHT DISTRIBUTION	MINIMUM LUMEN OUTPUT	MIN CRI	COLOR TEMPERATURE	DRIVER	VOLTAGE	MAXIMUM WATTAGE	MOUNTING METHOD	TYPE COMMENTS
P10HS MTG HT 1	Yes	LITHONIA DSX1	POLE LIGHT, FINISH SELECTED BY ARCHITECT, HOUSE SHIELD	LED	TYPE II MEDIUM	6800 lm	70	4000 K	LED DRIVER	277 V	55 VA	POLE MOUNTED	17' POLE WITH 3' CONCRETE BASE - REFER TO DETAIL 1/E010. INTEGRAL OCCUPANCY SENSOR PER OPR.
P20HS MTG HT 1	Yes	LITHONIA DSX2	POLE LIGHT, FINISH SELECTED BY ARCHITECT, HOUSE SHIELD	LED	TYPE IV MEDIUM	18000 lm	70	4000 K	LED DRIVER	277 V	140 VA	POLE MOUNTED	17' POLE WITH 3' CONCRETE BASE - REFER TO DETAIL 1/E010. INTEGRAL OCCUPANCY SENSOR PER OPR.
P21 MTG HT 1	Yes	LITHONIA DSX2	POLE LIGHT, FINISH SELECTED BY ARCHITECT	LED	TYPE IV MEDIUM	23000 lm	70	4000 K	LED DRIVER	277 V	185 VA	POLE MOUNTED	17' POLE WITH 3' CONCRETE BASE - REFER TO DETAIL 1/E010. INTEGRAL OCCUPANCY SENSOR PER OPR.
P21T MTG HT 1	Yes	LITHONIA DSX2	POLE LIGHT, TANDEM HEADS, FINISH SELECTED BY ARCHITECT	LED	TYPE IV MEDIUM	23000 lm	70	4000 K	LED DRIVER	277 V	185 VA	POLE MOUNTED	17' POLE WITH 3' CONCRETE BASE - REFER TO DETAIL 1/E010. INTEGRAL OCCUPANCY SENSOR PER OPR.

26-ELECTRICAL SHEET LIST - SITE IMPROVEMENT	
SHEET NUMBER	SHEET NAME
E010	ELECTRICAL LEGENDS
E710	ELECTRICAL SITE IMPROVEMENT PLANS
E711	ELECTRICAL SITE IMPROVEMENT ZONING PLAN

**DRAFTING SYMBOL LEGEND**

SYMBOL	DESCRIPTION
(X)	DRAWING KEY NOTE ONLY NOTES THAT APPLY APPEAR ON EACH SHEET. KEY NOTE NUMBERS ARE CONSISTENT FROM SHEET TO SHEET, AND THEREFORE MAY NOT APPEAR IN NUMERICAL ORDER.
(2) E501	DETAIL CALLOUT REFER TO DETAIL 2 ON SHEET E501

**TECHNOLOGY SYMBOL LEGEND**

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
(Image)	PAN / TILT / ZOOM SECURITY CAMERA	MOUNT AS SHOWN BELOW UNLESS OTHERWISE NOTED
(Image)	WALL MOUNT	EXTERIOR - 12'-0" AFF

**WIRING DEVICE LEGEND**

J INDICATES DEVICE DESIGNATION (IF USED)

J JUNCTION BOX	EV ELECTRIC VEHICLE SERVICE EQUIPMENT
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Section 7. Item C

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PRELIMINARY - NOT FOR CONSTRUCTION

SHP

FRANKLIN CITY SCHOOLS  
FRANKLIN HS - SITE IMPROVEMENTS  
140 E 6th St, Franklin, OH 45005  
754 E 4th Street, Franklin, OH 45005

312 Plum St, Ste 700  
Cincinnati, OH 45202  
513.380.1112

223 Fairfield Ave., Ste 100  
Bellevue, KY 41003  
502.222.1224

FOR INFORMATIONAL PURPOSES ONLY. NO NEW BREAKERS, LOADS, OR CIRCUITS ARE REQUIRED.

**Panelboard: L10**

Location: ELECTRICAL 1130  
Supply From: MP  
Mounting: Wall Mounted  
Enclosure: NEMA 1

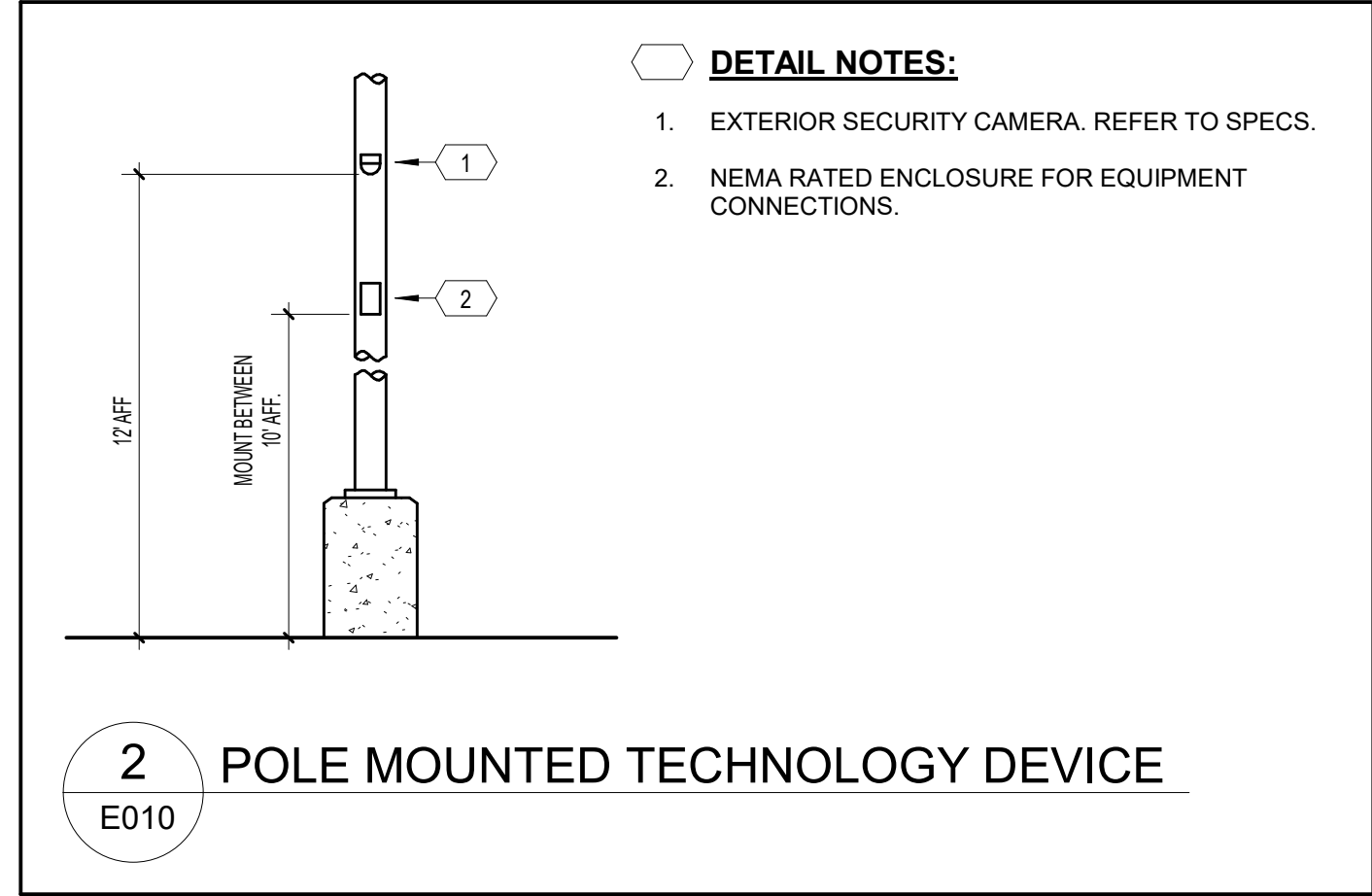
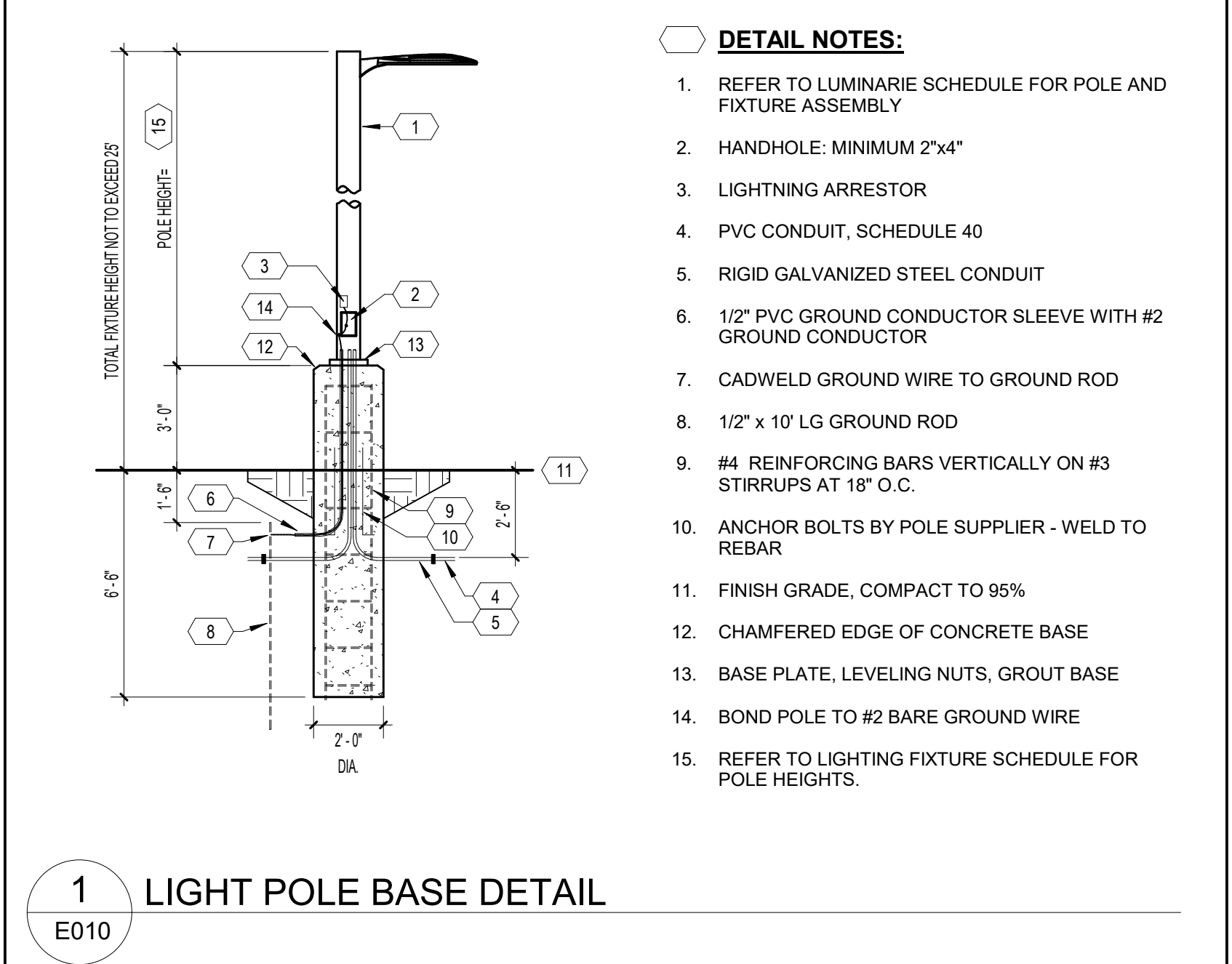
Volts: 480Y/277 V  
Phases: 3  
Wires: 4

A.I.C. Rating: 35,000  
Mains Type: MLO  
Panel Rating: 100.0 A

CKT	Circuit Description	Device Notes	Trip	Poles	A	B	C	Poles	Trip	Device Notes	Circuit Description	CKT		
1	L - 1100D, 1106, 1106B-1113T	EX	20	1	2388	332				1	20	EX	L - EXTERIOR AREA A, AREA C	2
3	L - 1100C, 1100E, 1103-1105, 1106A...	EX	20	1		1538	1526			1	20	EX	L - 1100C, 1100G, 1124-1131	4
5	L - 1114	EX	20	1				2850	2870	1	20	EX	L - 1100H, 1132, 1200F, 1234-1236	6
7	L - 1100C, 1000F, 1116-1123	EX	20	1	2029									8
9	LCP1	EX	20	1		180								10
11	L - SITE LIGHTING WEST PARKING	EX	20	1			1040							12
13														14
15														16
17														18
19														20
21														22
23														24
25														26
27														28
29														30
31														32
33														34
35														36
37	Spare	EX	20	1	0	0				1	20	EX	Spare	38
39	Spare	EX	20	1			0	0		1	20	EX	Spare	40
41	Spare	EX	20	1			0	0		1	20	EX	Spare	42
<b>Total Load:</b>					4749 VA	3244 VA	6780 VA							
<b>Total Amps:</b>					18.0 A	11.7 A	25.2 A							

**L = LIGHTS**  
**R = RECEPTACLES**  
**M = MECHANICAL EQUIPMENT**  
**P = PLUMBING EQUIPMENT**

**Notes:**  
EXISTING PANEL



**WIRING METHODS SCHEDULE**

APPLICATION	LOCATION	ALLOWABLE CONDUIT AND RACEWAY TYPE	OUTLET BOXES	CONDUIT BODIES	ENCLOSURE TYPE	FASTENERS/SUPPORTS	CONDUIT AND RACEWAY NOTES:
EXTERIOR APPLICATIONS	BELOW GRADE	RNC	MINIMUM SIZE 1" C				-MINIMUM SIZE 1" C -DO NOT ROUTE BRANCH CIRCUITS UNDER SLAB UNLESS OTHERWISE NOTED ON THE PLANS.
	ABOVE GRADE	IMC AND RSC	GALVANIZED MALLEABLE IRON	GALVANIZED MALLEABLE IRON	NEMA 3R	GALVANIZED	-CONDUIT SHALL ENTER FROM SIDE OR BOTTOM WHERE PRACTICAL. -PROVIDE WATERTIGHT HUBS FOR CONDUIT CONNECTION.

**CONDUCTOR AND CONDUIT COLOR CODING**

APPLICATION	COLOR
PHASE A CONDUCTOR	BROWN (480V), BLACK (208V)
PHASE B CONDUCTOR	ORANGE (480V), RED (208V)
PHASE C CONDUCTOR	YELLOW (480V), BLUE (208V)
NEUTRAL CONDUCTOR	GREY (480V), WHITE (208V)
GROUND CONDUCTOR	GREEN
CONTROL CONDUCTOR, 120V	RED
CONTROL CONDUCTOR, NEU	WHITE
CONTROL CONDUCTOR, 24V	BLUE
CONTROL CONDUCTOR, EXTERNAL SOURCE	YELLOW

**ABBREVIATIONS:**

CA	CAST ALUMINUM
EMT	ELECTRICAL METALLIC TUBING
GALV	GALVANIZED
GMI	GALVANIZED MALLEABLE IRON
IMC	INTERMEDIATE METAL CONDUIT
LFMC	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
MC	METAL CLAD CABLE
PVC 40	POLYVINYL CHLORIDE, SCHEDULE 40
SM	SHEET METAL

**NOTES:**

A) UNFINISHED SPACES INCLUDE DEDICATED MECHANICAL, ELECTRICAL, AND TECHNOLOGY ROOMS ONLY. UNLESS OTHERWISE INDICATED ON DRAWINGS, TREAT ALL OTHER SPACES AS FINISHED SPACES.

B) CONDUITS FOR BRANCH CIRCUITS NOT PERMITTED UNDER SLAB, UNLESS OTHERWISE INDICATED ON DRAWINGS.

**ISSUANCES**

NO.	DATE	DESCRIPTION
11-06-23	DESIGN DEVELOPMENT	

**ELECTRICAL LEGENDS**

COMM NO. 2020108.03

**E010**







# D-Series Size 1 LED Area Luminaire

d<sup>series</sup>

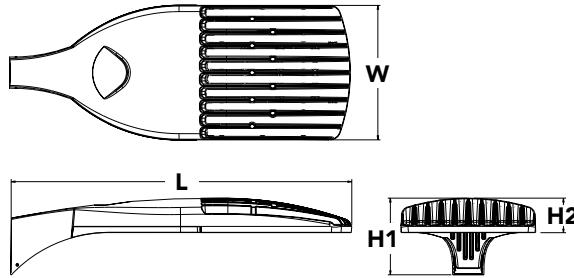


Catalog Number	Section 7, Item C.
Notes	
Type	TYPES P10, P11, P12

Hit the Tab key or mouse over the page to see all interactive elements.

## Specifications

<b>EPA:</b>	1.01 ft <sup>2</sup> (0.09 m <sup>2</sup> )
<b>Length:</b>	33" (83.8 cm)
<b>Width:</b>	13" (33.0 cm)
<b>Height H1:</b>	7-1/2" (19.0 cm)
<b>Height H2:</b>	3-1/2"
<b>Weight (max):</b>	27 lbs (12.2 kg)



## Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

## Ordering Information

**EXAMPLE:** DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	<b>Forward optics</b> P1 P4 <sup>1</sup> P7 <sup>1</sup> P2 P5 <sup>1</sup> P8 P3 P6 <sup>1</sup> P9 <sup>1</sup> <b>Rotated optics</b> P10 <sup>2</sup> P12 <sup>2</sup> P11 <sup>2</sup> P13 <sup>1,2</sup>	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short (Automotive) T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short <sup>3</sup> T5S Type V short <sup>3</sup> T5M Type V medium <sup>3</sup> T5W Type V wide <sup>3</sup> BLC Backlight control <sup>4</sup> LCCO Left corner cutoff <sup>4</sup> RCCO Right corner cutoff <sup>4</sup>	MVOLT <sup>5</sup> XVOLT (277V-480V) <sup>6,7,8</sup> 120 <sup>9</sup> 208 <sup>9</sup> 240 <sup>9</sup> 277 <sup>9</sup> 347 <sup>9</sup> 480 <sup>9</sup>	<b>Shipped included</b> SPA Square pole mounting RPA Round pole mounting <sup>10</sup> WBA Wall bracket <sup>3</sup> SPUMBA Square pole universal mounting adaptor <sup>11</sup> RPUMBA Round pole universal mounting adaptor <sup>9</sup> <b>Shipped separately</b> KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>12</sup>

Control options	Other options	Finish (required)
<b>Shipped installed</b> NLTAIR2 nLight AIR generation 2 enabled <sup>13</sup> PIRHN Network, high/low motion/ambient sensor <sup>14</sup> PER NEMA twist-lock receptacle only (controls ordered separate) <sup>15</sup> PER5 Five-pin receptacle only (controls ordered separate) <sup>15,16</sup> PER7 Seven-pin receptacle only (controls ordered separate) <sup>15,16</sup> DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) <sup>17</sup> DS Dual switching <sup>18,19,20</sup>	PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>20,21</sup> PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc <sup>20,21</sup> PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>20,21</sup> PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>20,21</sup> FAO Field adjustable output <sup>20,21</sup>	<b>Shipped installed</b> HS House-side shield <sup>23</sup> SF Single fuse (120, 277, 347V) <sup>9</sup> DF Double fuse (208, 240, 480V) <sup>9</sup> L90 Left rotated optics <sup>2</sup> R90 Right rotated optics <sup>2</sup> HA 50°C ambient operations <sup>1</sup> BAA Buy America(n) Act Compliant <b>Shipped separately</b> BS Bird spikes <sup>24</sup> EGS External glare shield
		DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

## Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>25</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>25</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>25</sup>
DSHORT SBK U	Shorting cap <sup>25</sup>
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 <sup>23</sup>
DSX1HS 40C U	House-side shield for P6 and P7 <sup>23</sup>
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 <sup>23</sup>
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) <sup>25</sup>
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) <sup>12</sup>
DSX1EGS (FINISH) U	External glare shield

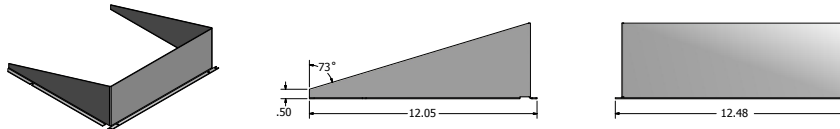
For more control options, visit [DTL](#) and [ROAM](#) online.

### NOTES

- HA not available with P4, P5, P6, P7, P9 and P13.
- P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- Any Type 5 distribution with photocell, is not available with WBA.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- XVOLT only suitable for use with P3, P5, P6, P7, P9 and P13.
- XVOLT works with any voltage between 277V and 480V.
- XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- Suitable for mounting to round poles between 3.5" and 12" diameter.
- Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
- Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTAIR2. For more information on nLight Air 2 visit [this link](#).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting cap included.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
- Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- Requires (2) separately switched circuits with isolated neutral.
- Reference Controls Option Default settings table on page 4.
- Reference Motion Sensor table on page 4 to see functionality.
- Not available with other dimming controls options.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Control Option Table on page 4.
- For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

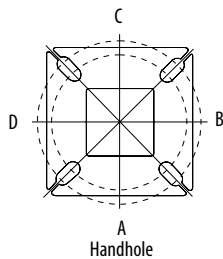
## Options

### EGS - External Glare Shield



## Drilling

### HANDHOLE ORIENTATION



### Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

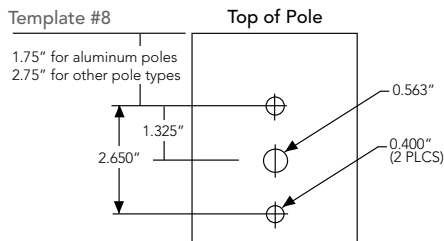
Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

### DSX1 Area Luminaire - EPA

\*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
DSX1 LED	1.013	2.025	1.945	3.038	2.850	3.749

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"



# Photometric Diagrams

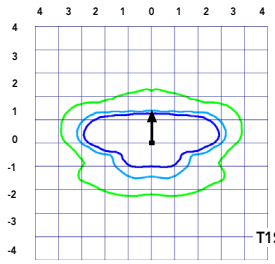
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size](#)

Section 7, Item C.

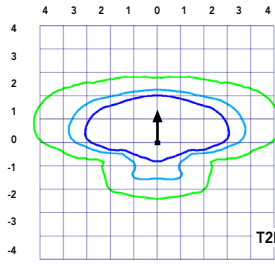
Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

### LEGEND

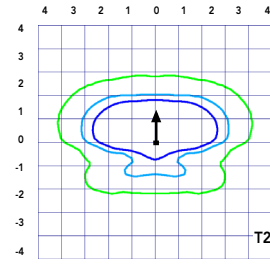
- 0.1 fc
- 0.5 fc
- 1.0 fc



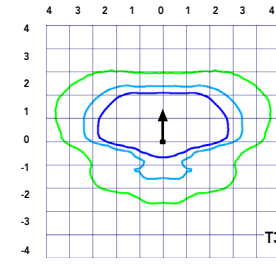
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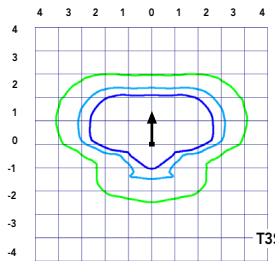
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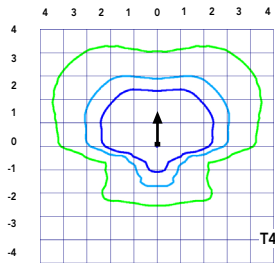
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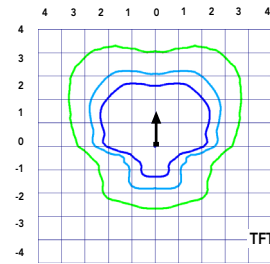
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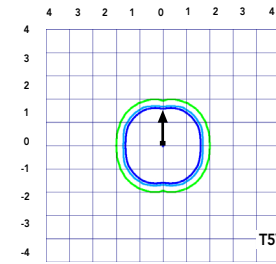
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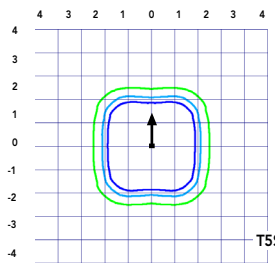
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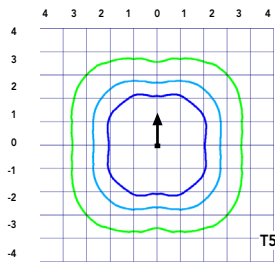
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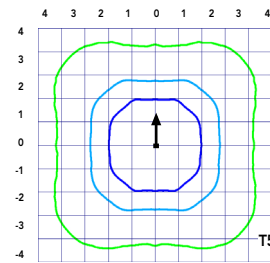
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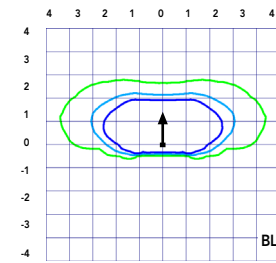
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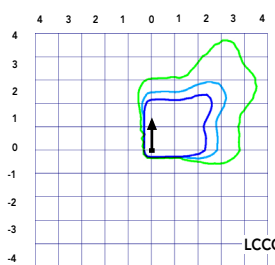
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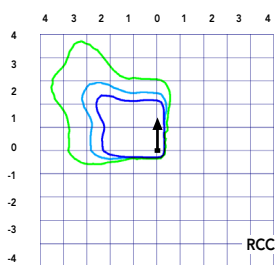
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Test No. LT.L23271 tested in accordance with IESNA LM-79-08.



Test No. LT.L23211 tested in accordance with IESNA LM-79-08.



Test No. LT.L23164B tested in accordance with IESNA LM-79-08.

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

\*for use when motion sensor is used as dusk to dawn control.

### Electrical Load

	Performance Package	LED Count	Drive Current	Wattage	Current (A)					
					120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

### Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FA0	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FA0 device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

Forward Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131
				TSVS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				T5S	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				TSW	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129
				T3S	8,021	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125
				T3M	8,263	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129
				T4M	8,083	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129
				TSVS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134
				T5S	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134
				T5M	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134
				TSW	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106
				LCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
30	1050	P3	102W	T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125
				TSVS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				T5S	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				TSW	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
				T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115
				TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117
				TSVS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122
				T5S	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122
				T5M	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122
				TSW	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
30	1400	P5	138W	T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
				T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116
				T2M	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116
				TSVS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				T5S	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				TSW	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71



Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1250	P6	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115
				T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118
				TSVS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123
				TSW	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
				T2S	19,206	3	0	3	105	20,690	3	0	3	113	20,952	3	0	3	114
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115
				T3S	18,696	3	0	3	102	20,141	3	0	3	110	20,396	3	0	4	111
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115
				TSVS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119
				T5S	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119
				T5M	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				TSW	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
60	1050	P8	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119
				TSVS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
60	1250	P9	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
				T2S	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116
				T3S	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113
				TFTM	25,602	3	0	4	106	27,580	3	0	4	114	27,929	3	0	4	116
				TSVS	26,626	5	0	1	110	28,684	5	0	1	119	29,047	5	0	1	121
				T5S	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				TSW	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71
				RCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	P10	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131
				T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				TSVS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				T5S	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				T5M	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				TSW	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
				60	700	P11	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061
T2S	16,461	4	0					4	120	17,733	4	0	4	129	17,957	4	0	4	131
T2M	16,758	4	0					4	122	18,053	4	0	4	132	18,281	4	0	4	133
T3S	16,205	4	0					4	118	17,457	4	0	4	127	17,678	4	0	4	129
T3M	16,748	4	0					4	122	18,042	4	0	4	132	18,271	4	0	4	133
T4M	16,432	4	0					4	120	17,702	4	0	4	129	17,926	4	0	4	131
TFTM	16,857	4	0					4	123	18,159	4	0	4	133	18,389	4	0	4	134
TSVS	16,975	4	0					1	124	18,287	4	0	1	133	18,518	4	0	1	135
T5S	16,832	4	0					1	123	18,133	4	0	2	132	18,362	4	0	2	134
T5M	16,828	4	0					2	123	18,128	4	0	2	132	18,358	4	0	2	134
TSW	16,677	4	0					3	122	17,966	5	0	3	131	18,193	5	0	3	133
BLC	13,845	3	0					3	101	14,915	3	0	3	109	15,103	3	0	3	110
LCCO	9,888	1	0					3	72	10,652	2	0	3	78	10,787	2	0	3	79
RCCO	9,875	4	0					4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	P12	207W					T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087
				T2S	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119
				T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				TSVS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				T5S	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
				60	1250	P13	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709
T2S	25,254	5	0					5	109	27,205	5	0	5	118	27,550	5	0	5	119
T2M	25,710	4	0					4	111	27,696	4	0	4	120	28,047	4	0	4	121
T3S	24,862	5	0					5	108	26,783	5	0	5	116	27,122	5	0	5	117
T3M	25,695	5	0					5	111	27,680	5	0	5	120	28,031	5	0	5	121
T4M	25,210	5	0					5	109	27,158	5	0	5	118	27,502	5	0	5	119
TFTM	25,861	5	0					5	112	27,860	5	0	5	121	28,212	5	0	5	122
TSVS	26,043	5	0					1	113	28,056	5	0	1	121	28,411	5	0	1	123
T5S	25,824	4	0					2	112	27,819	5	0	2	120	28,172	5	0	2	122
T5M	25,818	5	0					3	112	27,813	5	0	3	120	28,165	5	0	3	122
TSW	25,586	5	0					4	111	27,563	5	0	4	119	27,912	5	0	4	121
BLC	21,241	4	0					4	92	22,882	4	0	4	99	23,172	4	0	4	100
LCCO	15,170	2	0					4	66	16,342	2	0	4	71	16,549	2	0	4	72
RCCO	15,150	5	0					5	66	16,321	5	0	5	71	16,527	5	0	5	72

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft<sup>2</sup>) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### STANDARD CONTROLS

The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 30 feet.

### nLIGHT AIR CONTROLS

The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found here.

### INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

### LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

### BUY AMERICAN

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.



d<sup>series</sup>

# D-Series Size 2 LED Area Luminaire



Catalog  
Number

Section 7, Item C.

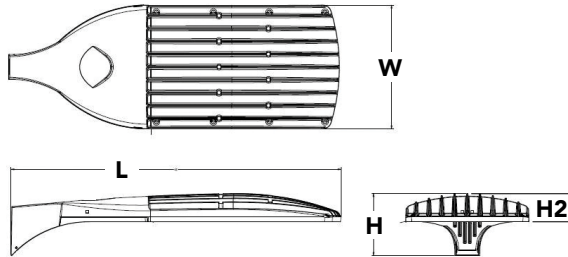
Notes

Type  
TYPES P20, P21, P22

Hit the Tab key or mouse over the page to see all interactive elements.

## Specifications

- EPA:** 1.1 ft<sup>2</sup>  
(0.10 m<sup>2</sup>)
- Length:** 40"  
(101.6 cm)
- Width:** 15"  
(38.1 cm)
- Height 1:** 7-1/4"  
(18.4 cm)
- Height 2:  
(max):** 3.5"
- Weight:** 36lbs



## Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. The Size 2 is ideal for replacing 400-1000W metal halide in area lighting applications with energy savings of up to 80% and expected service life of over 100,000 hours.

## Ordering Information

**EXAMPLE:** DSX2 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX2 LED						
Series	LEDs	Color temperature	Distribution	Voltage	Mounting	
DSX2 LED	<b>Forward optics</b> P1 P5 <sup>1</sup> P2 P6 P3 P7 <sup>1</sup> P4 P8 <sup>1</sup> <b>Rotated optics</b> P10 <sup>2</sup> P13 <sup>1,2</sup> P11 <sup>2</sup> P14 <sup>1,2</sup> P12 <sup>2</sup>	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I Short (Automotive) T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium	T5VS Type V Very Short <sup>3</sup> T5S Type V Short <sup>3</sup> T5M Type V Medium <sup>3</sup> T5W Type V Wide <sup>3</sup> BLC Backlight control <sup>4</sup> LCCO Left corner cutoff <sup>4</sup> RCCO Right corner cutoff <sup>4</sup>	MVOLT <sup>5</sup> XVOLT (277V-480V) <sup>6,7,8</sup> 120 <sup>9</sup> 208 <sup>9</sup> 240 <sup>9</sup> 277 <sup>9</sup> 347 <sup>9</sup> 480 <sup>9</sup>	<b>Shipped included</b> SPA Square pole mounting RPA Round pole mounting <sup>10</sup> WBA Wall bracket <sup>3</sup> SPUMBA Square pole universal mounting adaptor <sup>11</sup> RPUMBA Round pole universal mounting adaptor <sup>11</sup> <b>Shipped separately</b> KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>10</sup>

Control options	Other options	Finish (required)
<b>Shipped installed</b> NLTAIR2 nLight AIR generation 2 enabled <sup>13</sup> PIRHN Network, Bi-Level motion/ambient sensor <sup>14</sup> PER NEMA twist-lock receptacle only (no controls) <sup>15</sup> PER5 Five-wire receptacle only (no controls) <sup>15,16</sup> PER7 Seven-wire receptacle only (no controls) <sup>15,16</sup> DMG 0-10V dimming extend out back of housing for external control (no controls) <sup>17</sup> DS Dual switching <sup>18,19</sup>	<b>Shipped installed</b> HS House-side shield <sup>22</sup> SF Single fuse (120, 277, 347V) <sup>9</sup> DF Double fuse (208, 240, 480V) <sup>9</sup> L90 Left rotated optics <sup>2</sup> R90 Right rotated optics <sup>2</sup> HA 50°C ambient operations <sup>1</sup> BAA Buy America(n) Act Compliant <b>Shipped separately</b> BS Bird spikes <sup>23</sup> EGS External glare shield	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white



**Accessories**

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>24</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>24</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>24</sup>
DSHORT SBK U	Shorting cap <sup>24</sup>
DSX2HS 80C U	House-side shield for 80 LED unit <sup>22</sup>
DSX2HS 90C U	House-side shield for 90 LED unit <sup>22</sup>
DSX2HS 100C U	House-side shield for 100 LED unit <sup>22</sup>
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) <sup>25</sup>
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) <sup>25</sup>
DSX2EGS (FINISH) U	External glare shield

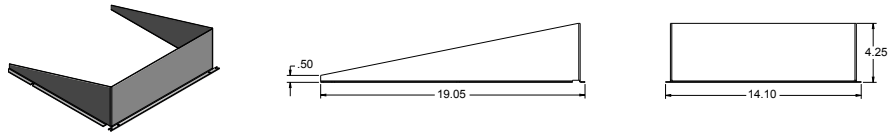
For more control options, visit [DTL](#) and [ROAM](#) online.

**NOTES**

- 1 HA not available with P5, P7, P8, P13, and P14.
- 2 P10, P11, P12, P13 or P14 and rotated optics (L90, R90) only available together.
- 3 Any Type 5 distribution with photocell, is not available with WBA.
- 4 Not available with HS.
- 5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 6 XVOLT is only suitable for use with P5, P6, P7, P8, P13 and P14.
- 7 XVOLT works with any voltage between 277V and 480V.
- 8 XVOLT not available with fusing (SF or DF) and not available with PIRH or PIRH1FC3V.
- 9 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 10 Suitable for mounting to round poles between 3.5" and 12" diameter.
- 11 Universal mounting bracket intended for retrofit on existing pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8.
- 12 Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
- 13 Must be ordered with PIRHN. Sensor cover only available in dark bronze, black, white or natural aluminum color.
- 14 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit [this link](#).
- 15 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting Cap included.
- 16 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming. .
- 17 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
- 18 Requires (2) separately switched circuits with isolated neutrals.
- 19 Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available with P1, P2, P10.
- 20 Reference Controls Options table settings table on page 4. Reference Motion Sensor Default table on page 4 to see functionality.
- 21 Reference controls options table on page 4.
- 22 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessories; see Accessories information.
- 23 Must be ordered with fixture for factory pre-drilling.
- 24 Requires luminaire to be specified with PER, PER5 and PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.
- 25 For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

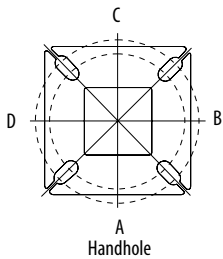
**Options**

**EGS - External Glare Shield**



**Drilling**

**HANDHOLE ORIENTATION**



**Tenon Mounting Slipfitter**

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

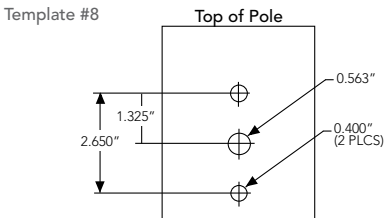
Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

**DSX2 Area Luminaire - EPA**

\*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

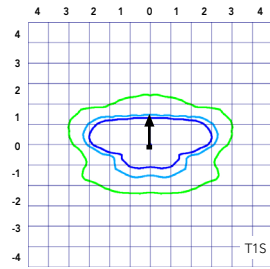
Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX2 LED	1.100	2.200	2.120	3.300	2.850	4.064

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

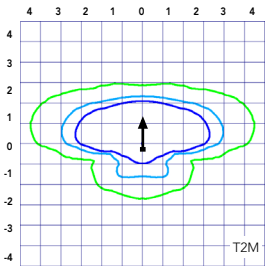


Isofootcandle plots for the DSX2 LED 80C 1000 40K. Distances are in units of mounting height (30').

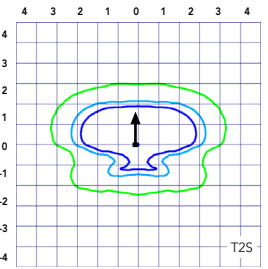
- LEGEND**
- 0.1 fc
  - 0.5 fc
  - 1.0 fc



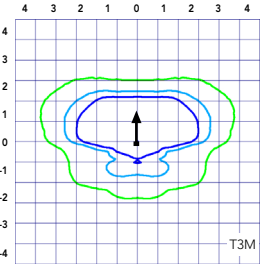
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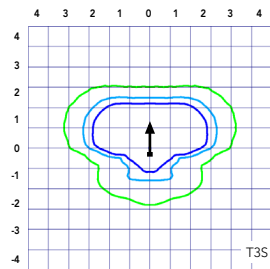
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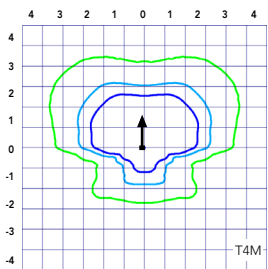
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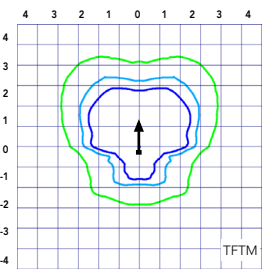
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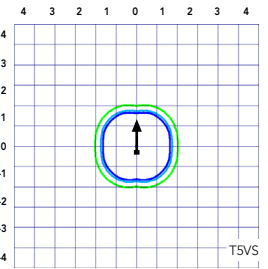
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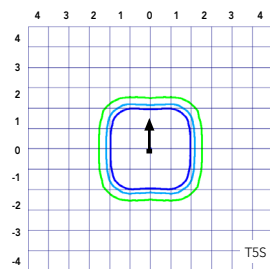
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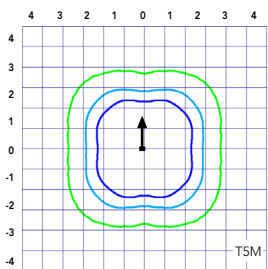
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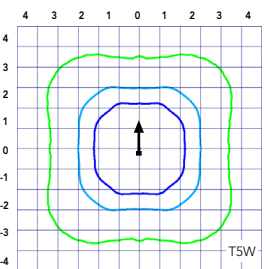
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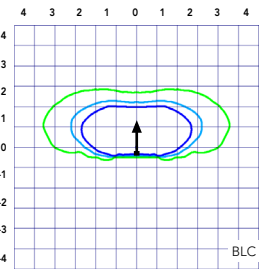
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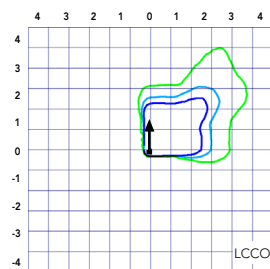
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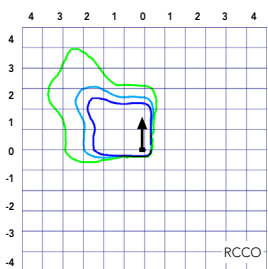
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Test No. LTJ22430P1 tested in accordance with IESNA LM-79-08.



Test No. LTJ22425P1 tested in accordance with IESNA LM-79-08.



Test No. LTJ22434P1 tested in accordance with IESNA LM-79-08.

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25000	50000	100000
Lumen Maintenance Factor	1.00	0.96	0.92	0.85

### Electrical Load

	Performance Package	LED Count	Drive Current	Wattage	Current (A)					
					120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	80	530	140	1.18	0.68	0.59	0.51	0.40	0.32
	P2	80	700	185	1.56	0.90	0.78	0.66	0.52	0.39
	P3	80	850	217	1.82	1.05	0.90	0.80	0.63	0.48
	P4	80	1050	270	2.27	1.31	1.12	0.99	0.79	0.59
	P5	80	1250	321	2.68	1.54	1.34	1.17	0.93	0.68
	P6	100	1050	343	2.89	1.66	1.59	1.37	1.00	0.71
	P7	100	1250	398	3.31	1.91	1.66	1.45	1.16	0.81
	P8	100	1350	431	3.61	2.07	1.81	1.57	1.25	0.91
Rotated Optics (Requires L90 or R90)	P10	90	530	156	1.30	0.76	0.65	0.62	0.45	0.32
	P11	90	700	207	1.75	1.01	0.87	0.74	0.60	0.46
	P12	90	850	254	2.12	1.22	1.06	0.94	0.73	0.55
	P13	90	1200	344	2.88	1.65	1.44	1.25	1.00	0.73
	P14	90	1400	405	3.39	1.95	1.71	1.48	1.18	0.86

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

\*for use when motion sensor is used as dusk to dawn control.

Controls Options				
Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptical	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSBGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
80	530	P1	140W	T1S	17,575	3	0	3	126	18,933	3	0	3	135	19,173	3	0	3	137
				T2S	17,556	3	0	3	125	18,913	3	0	3	135	19,152	3	0	3	137
				T2M	17,647	3	0	3	126	19,010	3	0	3	136	19,251	3	0	3	138
				T3S	17,090	3	0	3	122	18,411	3	0	3	132	18,644	3	0	3	133
				T3M	17,604	3	0	3	126	18,964	3	0	3	135	19,204	3	0	3	137
				T4M	17,221	3	0	3	123	18,552	3	0	4	133	18,787	3	0	4	134
				TFTM	17,593	3	0	3	126	18,952	3	0	4	135	19,192	3	0	4	137
				TSVS	18,297	4	0	1	131	19,711	4	0	1	141	19,961	4	0	1	143
				T5S	18,312	4	0	2	131	19,727	4	0	2	141	19,977	4	0	2	143
				T5M	18,266	4	0	2	130	19,677	4	0	2	141	19,926	4	0	2	142
				TSW	18,146	5	0	3	130	19,548	5	0	3	140	19,796	5	0	3	141
				BLC	14,424	2	0	2	103	15,539	2	0	3	111	15,736	2	0	3	112
				LCCO	10,733	1	0	3	77	11,562	1	0	3	83	11,709	2	0	3	84
				RCCO	10,733	1	0	3	77	11,562	1	0	3	83	11,709	2	0	3	84
80	700	P2	185W	T1S	22,305	3	0	3	121	24,029	3	0	3	130	24,333	3	0	3	132
				T2S	22,281	3	0	4	120	24,003	3	0	4	130	24,307	3	0	4	131
				T2M	22,396	3	0	3	121	24,127	3	0	3	130	24,432	3	0	3	132
				T3S	21,690	3	0	4	117	23,366	3	0	4	126	23,662	3	0	4	128
				T3M	22,342	3	0	4	121	24,068	3	0	4	130	24,373	3	0	4	132
				T4M	21,857	3	0	4	118	23,545	3	0	4	127	23,844	3	0	4	129
				TFTM	22,328	3	0	4	121	24,054	3	0	4	130	24,358	3	0	4	132
				TSVS	23,222	5	0	1	126	25,016	5	0	1	135	25,333	5	0	1	137
				T5S	23,241	4	0	2	126	25,037	4	0	2	135	25,354	4	0	2	137
				T5M	23,182	5	0	3	125	24,974	5	0	3	135	25,290	5	0	3	137
				TSW	23,030	5	0	4	124	24,810	5	0	4	134	25,124	5	0	4	136
				BLC	18,307	2	0	3	99	19,721	2	0	3	107	19,971	2	0	3	108
				LCCO	13,622	2	0	3	74	14,674	2	0	4	79	14,860	2	0	4	80
				RCCO	13,622	2	0	3	74	14,674	2	0	4	79	14,860	2	0	4	80
80	850	P3	217W	T1S	26,202	3	0	3	121	28,226	3	0	3	130	28,584	3	0	3	132
				T2S	26,174	3	0	4	121	28,196	3	0	4	130	28,553	3	0	4	132
				T2M	26,309	3	0	3	121	28,342	3	0	3	131	28,700	3	0	3	132
				T3S	25,479	3	0	4	117	27,448	3	0	4	126	27,795	3	0	4	128
				T3M	26,245	3	0	4	121	28,273	3	0	4	130	28,631	3	0	4	132
				T4M	25,675	3	0	4	118	27,659	3	0	4	127	28,009	3	0	4	129
				TFTM	26,229	3	0	4	121	28,255	3	0	4	130	28,613	3	0	4	132
				TSVS	27,279	5	0	1	126	29,387	5	0	1	135	29,759	5	0	1	137
				T5S	27,301	4	0	2	126	29,410	5	0	2	136	29,783	5	0	2	137
				T5M	27,232	5	0	3	125	29,336	5	0	3	135	29,707	5	0	3	137
				TSW	27,053	5	0	4	125	29,144	5	0	4	134	29,513	5	0	4	136
				BLC	21,504	2	0	3	99	23,166	2	0	3	107	23,459	2	0	4	108
				LCCO	16,001	2	0	4	74	17,238	2	0	4	79	17,456	2	0	4	80
				RCCO	16,001	2	0	4	74	17,238	2	0	4	79	17,456	2	0	4	80
80	1050	P4	270W	T1S	30,963	4	0	4	115	33,355	4	0	4	124	33,777	4	0	4	125
				T2S	30,930	4	0	4	115	33,320	4	0	4	123	33,742	4	0	4	125
				T2M	31,089	3	0	4	115	33,491	3	0	4	124	33,915	3	0	4	126
				T3S	30,108	4	0	4	112	32,435	4	0	5	120	32,845	4	0	5	122
				T3M	31,014	3	0	4	115	33,410	3	0	4	124	33,833	3	0	4	125
				T4M	30,340	3	0	5	112	32,684	3	0	5	121	33,098	3	0	5	123
				TFTM	30,995	3	0	5	115	33,390	3	0	5	124	33,812	3	0	5	125
				TSVS	32,235	5	0	1	119	34,726	5	0	1	129	35,166	5	0	1	130
				T5S	32,261	5	0	2	119	34,754	5	0	2	129	35,194	5	0	2	130
				T5M	32,180	5	0	4	119	34,667	5	0	4	128	35,105	5	0	4	130
				TSW	31,969	5	0	4	118	34,439	5	0	5	128	34,875	5	0	5	129
				BLC	25,412	2	0	4	94	27,376	2	0	4	101	27,722	2	0	4	103
				LCCO	18,909	2	0	4	70	20,370	2	0	4	75	20,628	2	0	4	76
				RCCO	18,909	2	0	4	70	20,370	2	0	4	75	20,628	2	0	4	76



Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
80	1250	P5	321W	T1S	35,193	4	0	4	110	37,912	4	0	4	118	38,392	4	0	4	120
				T2S	35,155	4	0	5	110	37,872	4	0	5	118	38,351	4	0	5	119
				T2M	35,336	4	0	4	110	38,067	4	0	4	119	38,549	4	0	4	120
				T3S	34,222	4	0	5	107	36,866	4	0	5	115	37,333	4	0	5	116
				T3M	35,251	3	0	4	110	37,974	3	0	5	118	38,455	4	0	5	120
				T4M	34,485	3	0	5	107	37,149	4	0	5	116	37,620	4	0	5	117
				TFTM	35,229	3	0	5	110	37,951	3	0	5	118	38,431	3	0	5	120
				TSVS	36,639	5	0	1	114	39,470	5	0	1	123	39,970	5	0	1	125
				T5S	36,669	5	0	2	114	39,502	5	0	2	123	40,002	5	0	2	125
				T5M	36,576	5	0	4	114	39,403	5	0	4	123	39,901	5	0	4	124
				TSW	36,336	5	0	5	113	39,144	5	0	5	122	39,640	5	0	5	123
				BLC	28,884	3	0	4	90	31,115	3	0	4	97	31,509	3	0	4	98
				LCCO	21,492	2	0	4	67	23,153	2	0	5	72	23,446	3	0	5	73
				RCCO	21,492	2	0	4	67	23,153	2	0	5	72	23,446	3	0	5	73
100	1050	P6	343W	T1S	37,824	4	0	4	110	40,747	4	0	4	119	41,263	4	0	4	120
				T2S	37,784	4	0	5	110	40,704	4	0	5	119	41,219	4	0	5	120
				T2M	37,979	4	0	4	111	40,913	4	0	4	119	41,431	4	0	4	121
				T3S	36,780	4	0	5	107	39,623	4	0	5	116	40,124	4	0	5	117
				T3M	37,886	3	0	5	110	40,814	4	0	5	119	41,331	4	0	5	120
				T4M	37,063	4	0	5	108	39,927	4	0	5	116	40,433	4	0	5	118
				TFTM	37,863	3	0	5	110	40,789	4	0	5	119	41,305	4	0	5	120
				TSVS	39,379	5	0	1	115	42,422	5	0	1	124	42,959	5	0	1	125
				T5S	39,411	5	0	2	115	42,456	5	0	2	124	42,993	5	0	2	125
				T5M	39,311	5	0	4	115	42,349	5	0	4	123	42,885	5	0	4	125
				TSW	39,053	5	0	5	114	42,071	5	0	5	123	42,604	5	0	5	124
				BLC	31,043	3	0	4	91	33,442	3	0	4	97	33,865	3	0	4	99
				LCCO	23,099	2	0	5	67	24,884	3	0	5	73	25,199	3	0	5	73
				RCCO	23,099	2	0	5	67	24,884	3	0	5	73	25,199	3	0	5	73
100	1250	P7	398W	T1S	42,599	4	0	4	107	45,890	4	0	4	115	46,471	4	0	4	117
				T2S	42,553	4	0	5	107	45,842	4	0	5	115	46,422	4	0	5	117
				T2M	42,773	4	0	4	107	46,078	4	0	4	116	46,661	4	0	5	117
				T3S	41,423	4	0	5	104	44,624	4	0	5	112	45,189	4	0	5	114
				T3M	42,669	4	0	5	107	45,966	4	0	5	115	46,548	4	0	5	117
				T4M	41,742	4	0	5	105	44,967	4	0	5	113	45,537	4	0	5	114
				TFTM	42,643	4	0	5	107	45,938	4	0	5	115	46,519	4	0	5	117
				TSVS	44,350	5	0	1	111	47,777	5	0	1	120	48,381	5	0	1	122
				T5S	44,385	5	0	2	112	47,815	5	0	3	120	48,420	5	0	3	122
				T5M	44,273	5	0	4	111	47,695	5	0	4	120	48,298	5	0	4	121
				TSW	43,983	5	0	5	111	47,382	5	0	5	119	47,982	5	0	5	121
				BLC	34,962	3	0	4	88	37,664	3	0	5	95	38,140	3	0	5	96
				LCCO	26,015	3	0	5	65	28,025	3	0	5	70	28,380	3	0	5	71
				RCCO	26,015	3	0	5	65	28,025	3	0	5	70	28,380	3	0	5	71
100	1350	P8	448W	T1S	45,610	4	0	4	106	49,135	4	0	4	114	49,757	4	0	4	115
				T2S	45,562	4	0	5	106	49,083	4	0	5	114	49,704	4	0	5	115
				T2M	45,797	4	0	4	106	49,336	4	0	5	114	49,960	4	0	5	116
				T3S	44,352	4	0	5	103	47,779	4	0	5	111	48,384	4	0	5	112
				T3M	45,686	4	0	5	106	49,216	4	0	5	114	49,839	4	0	5	116
				T4M	44,693	4	0	5	104	48,147	4	0	5	112	48,756	4	0	5	113
				TFTM	45,657	4	0	5	106	49,186	4	0	5	114	49,808	4	0	5	116
				TSVS	47,485	5	0	1	110	51,155	5	0	1	119	51,802	5	0	1	120
				T5S	47,524	5	0	3	110	51,196	5	0	3	119	51,844	5	0	3	120
				T5M	47,404	5	0	4	110	51,067	5	0	5	118	51,713	5	0	5	120
				TSW	47,093	5	0	5	109	50,732	5	0	5	118	51,374	5	0	5	119
				BLC	37,434	3	0	5	87	40,326	3	0	5	94	40,837	3	0	5	95
				LCCO	27,854	3	0	5	65	30,006	3	0	5	70	30,386	3	0	5	71
				RCCO	27,854	3	0	5	65	30,006	3	0	5	70	30,386	3	0	5	71

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics																							
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
90	530	P10	156W	T1S	20,145	4	0	4	129	21,702	4	0	4	139	21,977	4	0	4	141				
				T2S	20,029	4	0	4	128	21,577	4	0	4	138	21,850	4	0	4	140				
				T2M	20,391	4	0	4	131	21,967	4	0	4	141	22,245	4	0	4	143				
				T3S	19,719	4	0	4	126	21,242	4	0	4	136	21,511	4	0	4	138				
				T3M	20,379	4	0	4	131	21,954	4	0	4	141	22,232	4	0	4	143				
				T4M	19,995	4	0	4	128	21,540	4	0	4	138	21,812	5	0	5	140				
				TFTM	20,511	4	0	4	131	22,096	5	0	5	142	22,376	5	0	5	143				
				TSVS	20,655	4	0	1	132	22,251	4	0	1	143	22,533	4	0	1	144				
				T5S	20,482	4	0	2	131	22,064	4	0	2	141	22,343	4	0	2	143				
				T5M	20,477	5	0	3	131	22,059	5	0	3	141	22,338	5	0	3	143				
				TSW	20,293	5	0	3	130	21,861	5	0	3	140	22,138	5	0	4	142				
				BLC	16,846	4	0	4	108	18,148	4	0	4	116	18,378	4	0	4	118				
				LCCO	12,032	2	0	3	77	12,961	2	0	3	83	13,125	2	0	3	84				
				RCCO	12,016	4	0	4	77	12,944	4	0	4	83	13,108	4	0	4	84				
				90	700	P11	207W	T1S	25,518	4	0	4	123	27,490	4	0	4	133	27,837	4	0	4	134
								T2S	25,371	5	0	5	123	27,331	5	0	5	132	27,677	5	0	5	134
T2M	25,829	4	0					4	125	27,825	4	0	4	134	28,177	4	0	4	136				
T3S	24,977	5	0					5	121	26,907	5	0	5	130	27,248	5	0	5	132				
T3M	25,814	5	0					5	125	27,809	5	0	5	134	28,161	5	0	5	136				
T4M	25,327	5	0					5	122	27,284	5	0	5	132	27,629	5	0	5	133				
TFTM	25,981	5	0					5	126	27,989	5	0	5	135	28,343	5	0	5	137				
TSVS	26,164	5	0					1	126	28,185	5	0	1	136	28,542	5	0	1	138				
T5S	25,943	4	0					2	125	27,948	5	0	2	135	28,302	5	0	2	137				
T5M	25,937	5	0					3	125	27,941	5	0	3	135	28,295	5	0	3	137				
TSW	25,704	5	0					4	124	27,691	5	0	4	134	28,041	5	0	4	135				
BLC	21,339	4	0					4	103	22,988	4	0	4	111	23,279	4	0	4	112				
LCCO	15,240	2	0					4	74	16,418	2	0	4	79	16,626	2	0	4	80				
RCCO	15,220	5	0					5	74	16,396	5	0	5	79	16,604	5	0	5	80				
90	850	P12	254W					T1S	29,912	4	0	4	118	32,223	4	0	4	127	32,631	5	0	4	128
								T2S	29,740	5	0	5	117	32,038	5	0	5	126	32,443	5	0	5	128
				T2M	30,277	4	0	4	119	32,616	5	0	5	128	33,029	5	0	5	130				
				T3S	29,278	5	0	5	115	31,540	5	0	5	124	31,940	5	0	5	126				
				T3M	30,259	5	0	5	119	32,597	5	0	5	128	33,010	5	0	5	130				
				T4M	29,688	5	0	5	117	31,982	5	0	5	126	32,387	5	0	5	128				
				TFTM	30,455	5	0	5	120	32,808	5	0	5	129	33,224	5	0	5	131				
				TSVS	30,669	5	0	1	121	33,039	5	0	1	130	33,457	5	0	1	132				
				T5S	30,411	5	0	2	120	32,761	5	0	2	129	33,176	5	0	2	131				
				T5M	30,404	5	0	3	120	32,753	5	0	4	129	33,168	5	0	4	131				
				TSW	30,131	5	0	4	119	32,459	5	0	4	128	32,870	5	0	4	129				
				BLC	25,013	4	0	4	98	26,946	4	0	4	106	27,287	4	0	4	107				
				LCCO	17,865	2	0	4	70	19,245	2	0	4	76	19,489	2	0	4	77				
				RCCO	17,841	5	0	5	70	19,220	5	0	5	76	19,463	5	0	5	77				
				90	1200	P13	344W	T1S	38,768	5	0	5	113	41,764	5	0	5	121	42,292	5	0	5	123
								T2S	38,545	5	0	5	112	41,523	5	0	5	121	42,049	5	0	5	122
T2M	39,241	5	0					5	114	42,273	5	0	5	123	42,808	5	0	5	124				
T3S	37,947	5	0					5	110	40,879	5	0	5	119	41,396	5	0	5	120				
T3M	39,218	5	0					5	114	42,249	5	0	5	123	42,783	5	0	5	124				
T4M	38,478	5	0					5	112	41,451	5	0	5	120	41,976	5	0	5	122				
TFTM	39,472	5	0					5	115	42,522	5	0	5	124	43,060	5	0	5	125				
TSVS	39,749	5	0					1	116	42,821	5	0	1	124	43,363	5	0	1	126				
T5S	39,415	5	0					2	115	42,461	5	0	2	123	42,998	5	0	2	125				
T5M	39,405	5	0					4	115	42,450	5	0	4	123	42,988	5	0	4	125				
TSW	39,052	5	0					5	114	42,069	5	0	5	122	42,602	5	0	5	124				
BLC	32,419	5	0					5	94	34,925	5	0	5	102	35,367	5	0	5	103				
LCCO	23,154	3	0					5	67	24,943	3	0	5	73	25,259	3	0	5	73				
RCCO	23,124	5	0					5	67	24,910	5	0	5	72	25,226	5	0	5	73				
90	1400	P14	405W					T1S	42,867	5	0	5	106	46,180	5	0	5	114	46,764	5	0	5	115
								T2S	42,621	5	0	5	105	45,914	5	0	5	113	46,495	5	0	5	115
				T2M	43,390	5	0	5	107	46,743	5	0	5	115	47,335	5	0	5	117				
				T3S	41,959	5	0	5	104	45,201	5	0	5	112	45,773	5	0	5	113				
				T3M	43,365	5	0	5	107	46,716	5	0	5	115	47,307	5	0	5	117				
				T4M	42,547	5	0	5	105	45,834	5	0	5	113	46,414	5	0	5	115				
				TFTM	43,646	5	0	5	108	47,018	5	0	5	116	47,614	5	0	5	118				
				TSVS	43,952	5	0	1	109	47,349	5	0	1	117	47,948	5	0	1	118				
				T5S	43,583	5	0	2	108	46,950	5	0	2	116	47,545	5	0	3	117				
				T5M	43,572	5	0	4	108	46,939	5	0	4	116	47,533	5	0	4	117				
				TSW	43,181	5	0	5	107	46,518	5	0	5	115	47,107	5	0	5	116				
				BLC	35,847	5	0	5	89	38,617	5	0	5	95	39,106	5	0	5	97				
				LCCO	25,602	3	0	5	63	27,580	3	0	5	68	27,930	3	0	5	69				
				RCCO	25,569	5	0	5	63	27,544	5	0	5	68	27,893	5	0	5	69				

**FEATURES & SPECIFICATIONS**

**INTENDED USE**

The sleek design of the D-Series Area Size 2 reflects the embedded high performance LED technology. It is ideal for applications like car dealerships and large parking lots adjacent to malls, transit stations, grocery stores, home centers, and other big-box retailers.

**CONSTRUCTION**

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.1 ft²) for optimized pole wind loading.

**FINISH**

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

**OPTICS**

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K, or 5000 K (70 CRI) configurations. The D-Series Size 2 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

**ELECTRICAL**

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hrs at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily-serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

**INSTALLATION**

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 2 to withstand up to a 2.0 G vibration load rating per ANSI C136.31. The D-Series Size 2 utilizes the AERIS™ series pole drilling pattern (Template #8). NEMA photocontrol receptacle is available.

**STANDARD CONTROLS**

The DSX2 LED area luminaire has a number of control options. DSX Size 2, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 30 feet.

**nLIGHT AIR CONTROLS**

The DSX2 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

**LISTINGS**

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D670,857 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

**BUY AMERICAN**

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

**WARRANTY**

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

