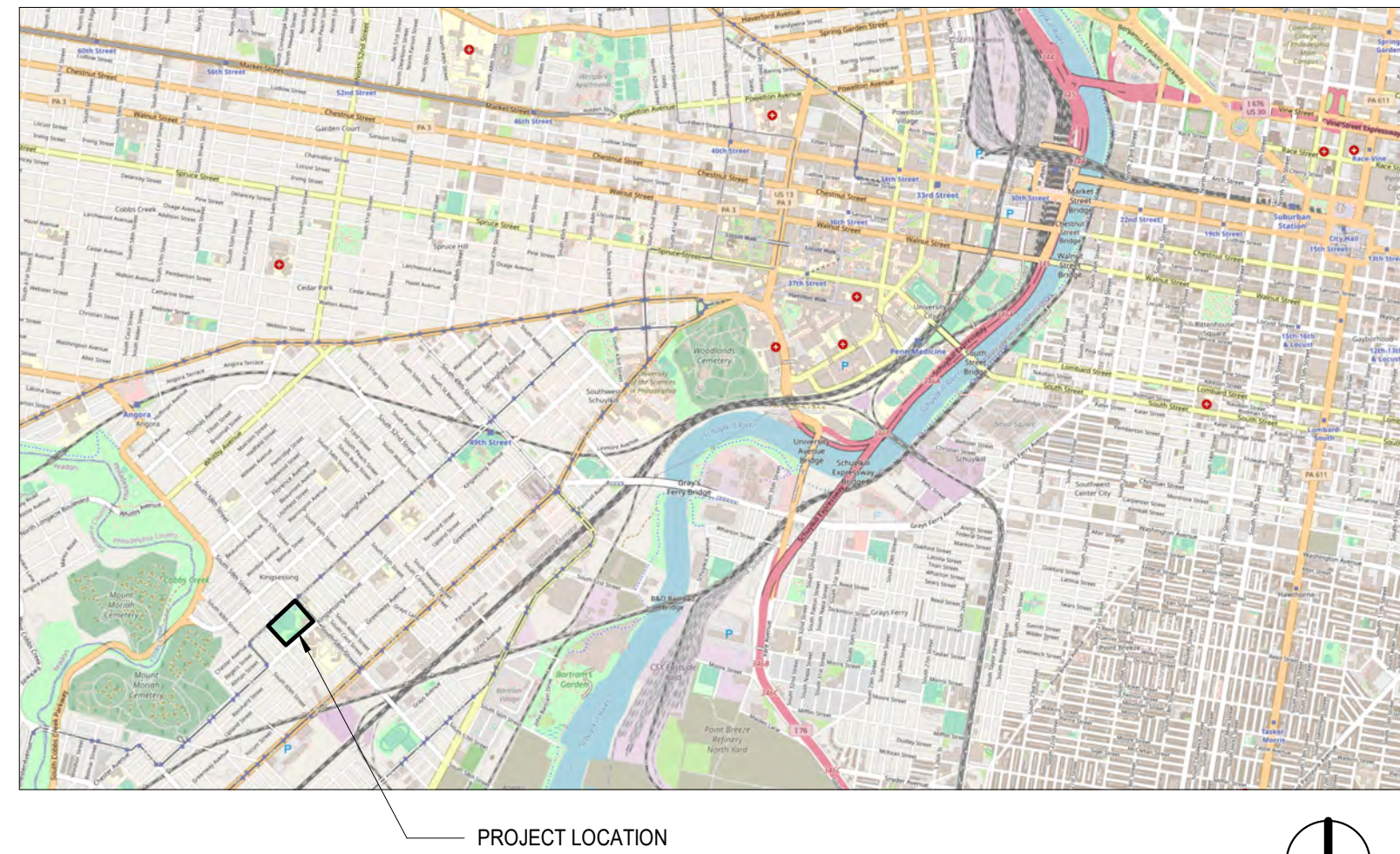
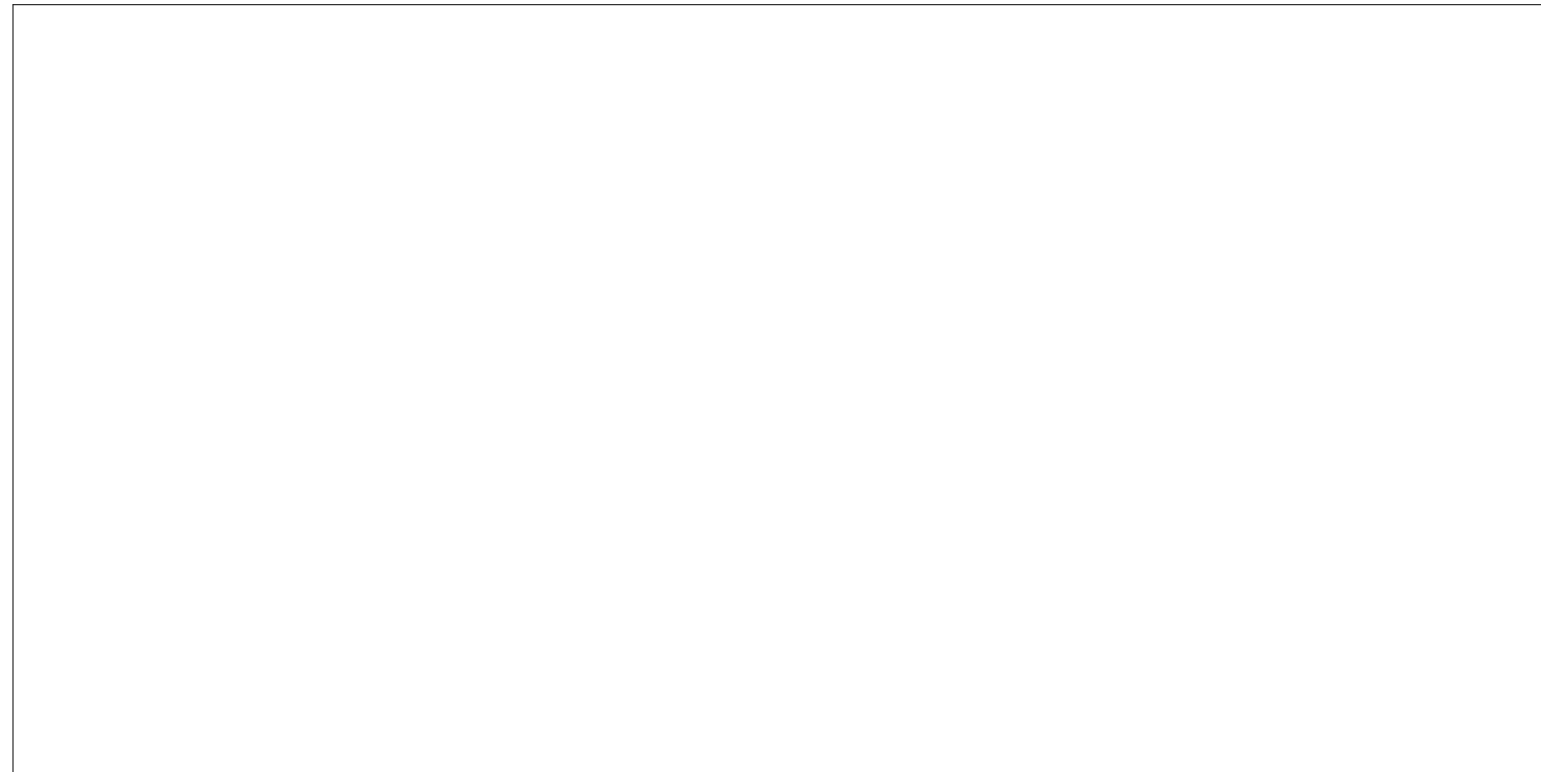


**Attachment A**

**Contract Drawings**



APPROVAL STAMP AREA



VICINITY MAP



LOCATION MAP



# FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

CLIENT / OWNER

REBUILD - CITY OF PHILADELPHIA

ADDRESS

5800 CHESTER AVE,  
PHILADELPHIA, PA 19143

ISSUANCE

ISSUED FOR CONSTRUCTION  
07 APRIL 2023

# DIGSAU

CLIENT  
**REBUILD**  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

MEP/FP ENGINEER  
**dbHMS**  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 287.217.1612

LIGHTING DESIGN  
**The Lighting Practice**  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 810.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
**DataBase+**  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.916.0557  
www.databasedplus.com

DATE:	DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	
FORMAT:	30" X 42"
DRAWN:	
CHECKED:	BM / MG
DATE:	4/7/2023

SHEET NAME:  
**COVER SHEET**

SHEET NUMBER:  
**G001**

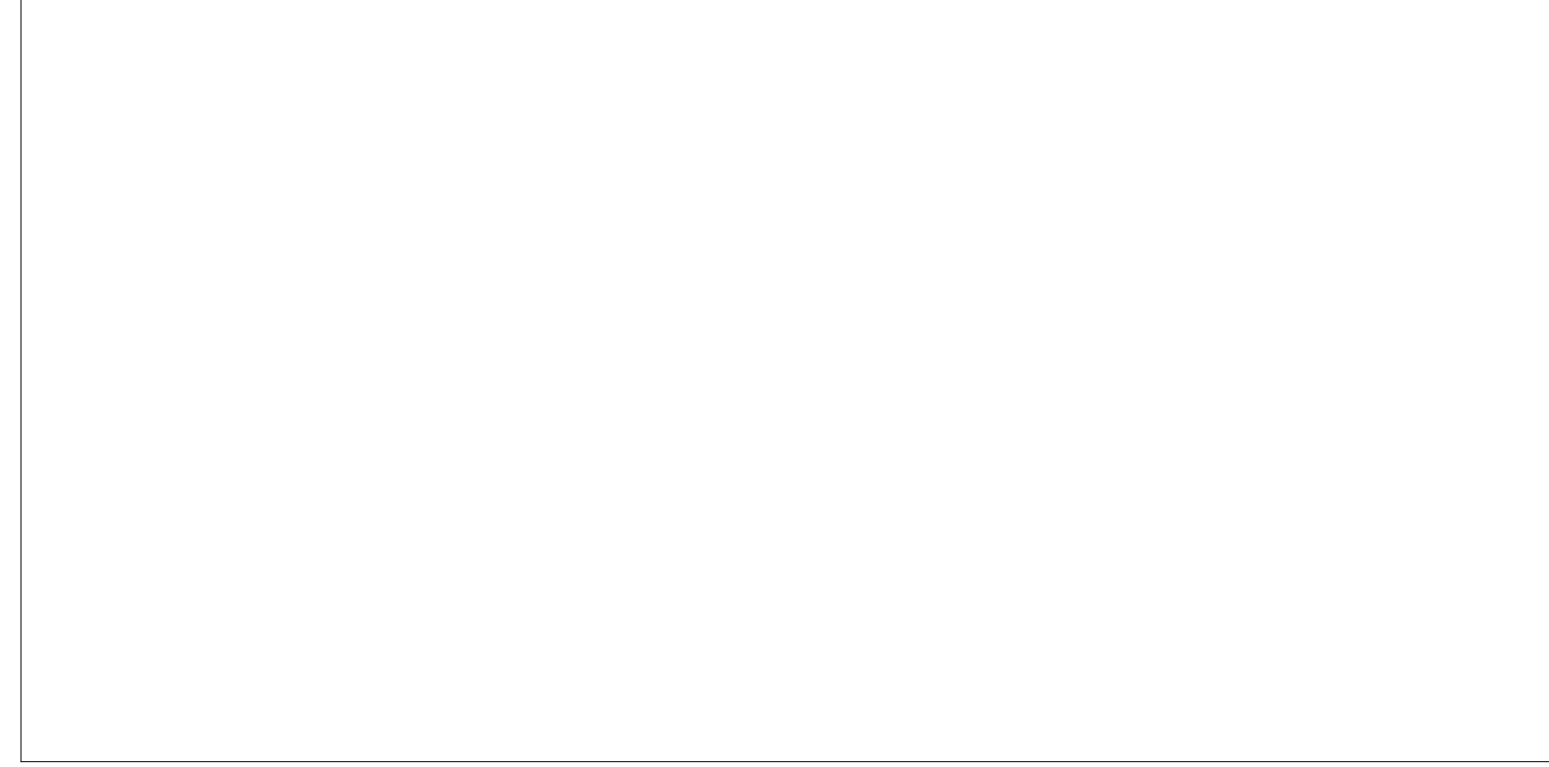
PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**







APPROVAL STAMP AREA



**1.0 APPLICABLE CODES & STANDARDS**  
City of Philadelphia

The Philadelphia Administrative Code  
2018 International Building Code (IBC)  
2009 ICC / ANSI A117.1  
2018 International Existing Building Code (IEBC)  
2021 International Existing Building Code (IEBC) sections 306, 1101.2, 1508, Appendix B  
2018 International Mechanical Code  
2018 International Plumbing Code  
2017 NFPA 70 - National Electrical Code (per 2018 IBC)  
2016 NFPA 72 - National Fire Alarm and Signaling Code  
2018 International Performance Building Code  
2018 International Energy Conservation Code  
2018 Philadelphia Fire Code  
2018 International Fuel Gas Code  
Philadelphia Zoning Code  
Philadelphia Plumbing Code

**2.0 USE AND OCCUPANCY CLASSIFICATION**

2.1 OCCUPANCY CLASSIFICATION (IBC 302.1) **Group A-3 Assembly Uses Intended for Recreation**

**3.0 CONSTRUCTION CLASSIFICATION**

3.1 MINIMUM CONSTRUCTION TYPE (IBC Table 601) **Type III-B**

3.2 The proposed renovations will conform to the International Existing Building Code (IEBC) classification of work compliance method:  
**Alteration- Level 3 (IEBC 504)**  
Level 3 Alterations apply where the work area exceeds 50 percent of the building area.

**4.0 HEIGHT & AREA LIMITATIONS**

4.1 BUILDING HEIGHT & AREA

Code Reference	Allowable	Proposed
Building Height (IBC Table 504.3)	75'	52'
Number of Stories (IBC Table 504.4)	3 stories	3 stories
Area per Story (SF) (IBC Table 506.2)		
Basement (A-3)	28,500	6,915
Level 1 (A-3)	28,500	20,434
Level 2 (A-3)	28,500	4,841
Level 3 (A-3)	28,500	2,907
<b>Total Building Area</b>	<b>114,000</b>	<b>35,097</b>

**5.0 FIRE-RESISTANCE RATED CONSTRUCTION**

5.1 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS\* *\*Fully sprinklered building*

Primary structural frame (IBC Table 601)		0 (Hrs)
Bearing Walls	Exterior (IBC Table 601)	2 (Hrs)
	Interior (IBC Table 601)	0 (Hrs)
	Nonbearing walls and partitions	
Exterior (IBC Table 602) X (feet) < 5		1 (Hrs)
	Exterior (IBC Table 602) 5 ≤ X (feet) < 10	1 (Hrs)
	Exterior (IBC Table 602) 10 ≤ X (feet) < 30	1 (Hrs)
	Exterior (IBC Table 602) X (feet) ≥ 30	0 (Hrs)
	Interior (IBC Table 601)	0 (Hrs)
Floor construction (including supporting beams and joists) (IBC Table 601)		0 (Hrs)
Roof construction (including supporting beams and joists) (IBC Table 601)		0 (Hrs)
Stair Enclosures	< four stories (IBC 1023.2)	1 (Hrs)
	≥ four stories (IBC 1023.2)	2 (Hrs)
Mechanical, Elevator, & Other Shaft Enclosures	< four stories (IBC 713.4)	1 (Hrs)
	≥ four stories (IBC 713.4)	2 (Hrs)
Exit Access Corridors (IBC Table 1020.1)		
	A, B, S Occupancy	0 (Hrs)
Waste Rooms > 100 sqft (IBC Table 509)		0 (Hrs)

5.2 INTERIOR FINISHES (IBC Table 803.13)

Use Group	Group A-3
Exit Stair	Class B
Exit Access Corridors	Class B
Rooms & Enclosed Spaces	Class C

**6.0 MEANS OF EGRESS**

6.1 OCCUPANT LOAD SUMMARY

6.2 NUMBER & CAPACITY OF EXITS **2 exits per story min**

6.3 MAXIMUM EXIT ACCESS TRAVEL DISTANCE (IBC Table 1017.2)

Use Group	Maximum Travel Distance (feet)*	*Fully sprinklered building
A-3 (Assembly)	250	

6.4 MAXIMUM DEAD END CORRIDOR LIMIT (IBC 1020.4)

Use Group	Dead End Limit (feet)*	*Fully sprinklered building
A-3 (Assembly)	20	

6.5 MAXIMUM COMMON PATH OF TRAVEL (IBC Table 1006.2.1)

Use Group	Max Common Path of Travel Distance (feet)*	*Fully sprinklered building
A-3 (Assembly)	75	

6.6 EGRESS WIDTH

Stairs (IBC 1005.3.1 and 1011.2)	0.2 inch / occupant, 44" minimum width/stair	*Fully sprinklered building
Doors (IBC 1005.3.2)	0.2 inch / occupant, 32" minimum clear width/door	
Corridors (IBC 1005.3.2 and Table 1020.2)	0.2 inch / occupant, 44" minimum/corridor	
	0.2 inch / occupant, 36" minimum/corridor with an occupant load < 50	

6.7 REQUIRED FIRE PROTECTION FEATURES

Sprinkler System (IBC 903.2)	NFPA 13
Portable Fire Extinguishers (IBC 906.1)	NFPA 10
Manual fire alarm system (IBC 907.2)	NFPA 72
Smoke alarms (IBC 907.2)	IBC 907.2 & NFPA 72

**7.0 ACCESSIBILITY**

7.1 WHERE REQUIRED (2018 IBC 1103.1) Where required, sites, buildings, elements, and spaces, temporary and permanent, shall be accessible to persons with physical disabilities.

7.2 SITE ACCESSIBLE ROUTE (2018 IBC 1104.2) Within a site, at least one accessible route shall connect accessible buildings, accessible facilities, accessible elements, and accessible spaces that are on the same site.

7.3 PUBLIC ENTRANCES (2018 IBC 1105.1) At least 60 percent of all public entrances shall be accessible.

7.5 ACCESSIBLE MEANS OF EGRESS (2021 IEBC 306) Accessible means of egress required by Chap. 10 of the *International Building Code* are not required to be added in existing facilities.

7.6 STAIRWAYS IN EXISTING BUILDINGS (2021 IEBC 306) Where a stairway is added where none existed previously and major structural modifications are necessary for installation, an accessible route complying with Section 1104.4 of the *International Building Code* is required between levels served by such stairway.

7.7 FAMILY TOILET (2018 IBC 1109.2.1) In assembly occupancies, an accessible family or assisted-use toilet room shall be provided where an aggregate of six or more male and female water closets is required. Per *Philadelphia Plumbing Code* 403.1.2, the plumbing fixtures required by IBC 1109.2.1 shall contribute toward the total number of required plumbing fixtures for a building or tenant space.

**8.0 SPECIAL BUILDING REQUIREMENTS**

None.

**9.0 PLUMBING FIXTURES**

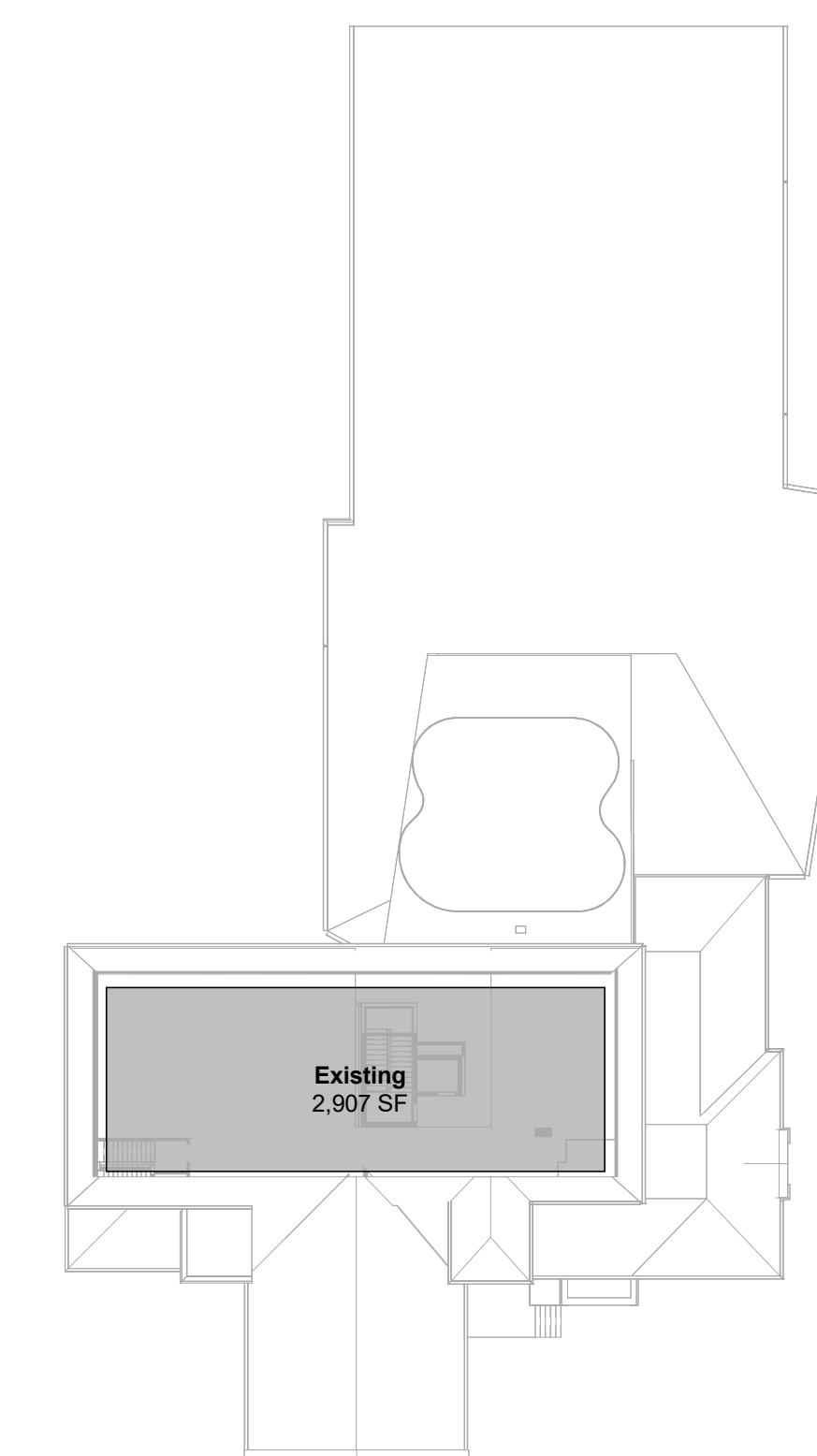
**2018 Philadelphia Plumbing Code Sections 424, 403 and 410 (Building)**

Classification	Occupant Load	Water closets		Urinals	Lavatories		Drinking Fountain	Service Sink
		Male	Female		Male	Female		
Assembly	607	2	5	1	2	2	2	1
<b>Total Number of Fixtures Required</b>		<b>2</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>
<b>Total Number of Fixtures Provided</b>		<b>4</b>	<b>7</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>2</b>	<b>1</b>

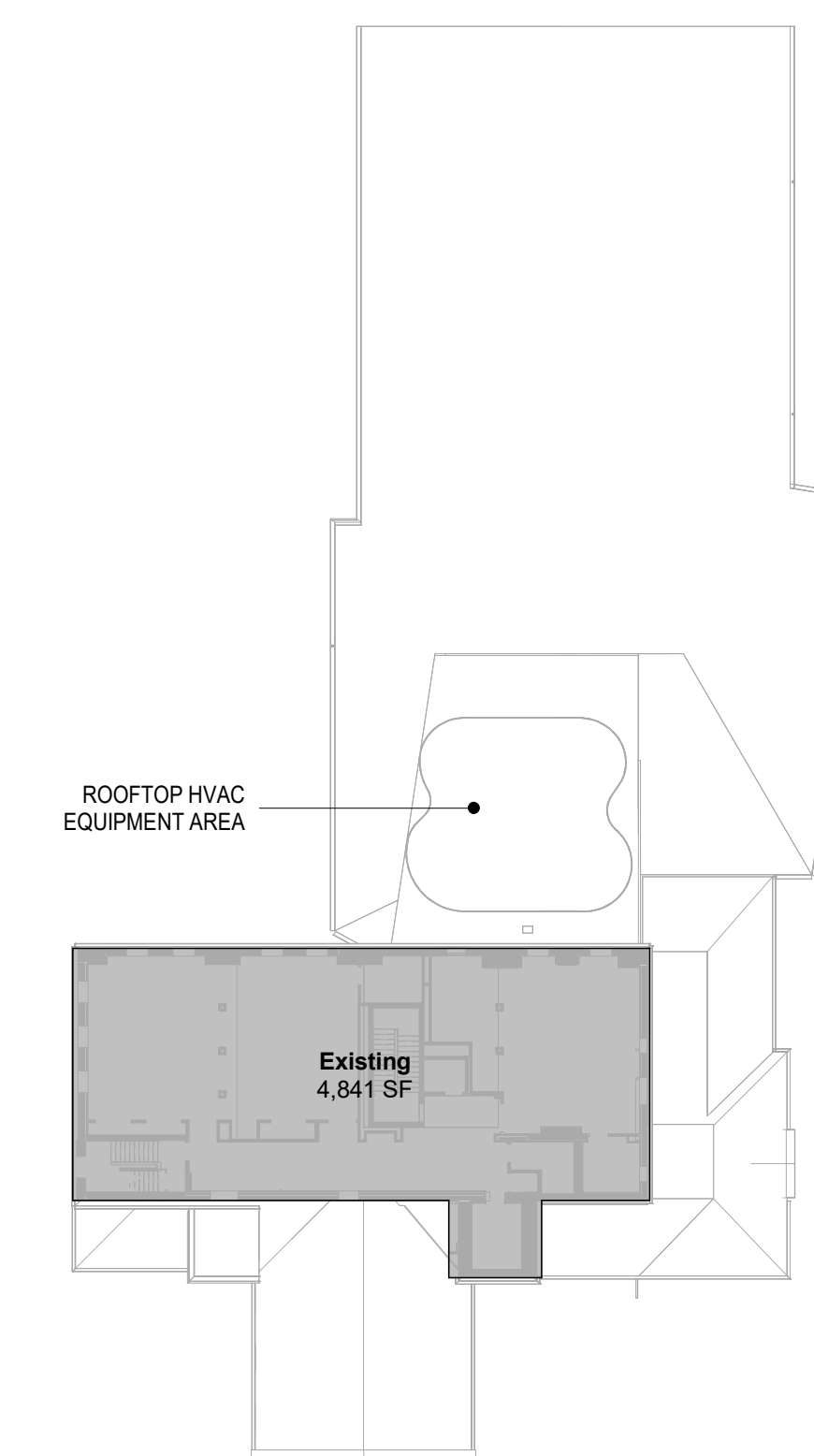
Notes:  
1. Since occupants are allowed to travel up or down one story to reach the required plumbing fixtures, excess fixtures located on adjacent levels can be utilized to accommodate the occupants on floors with insufficient fixtures

**10.0 ENERGY CODE CONFORMANCE**

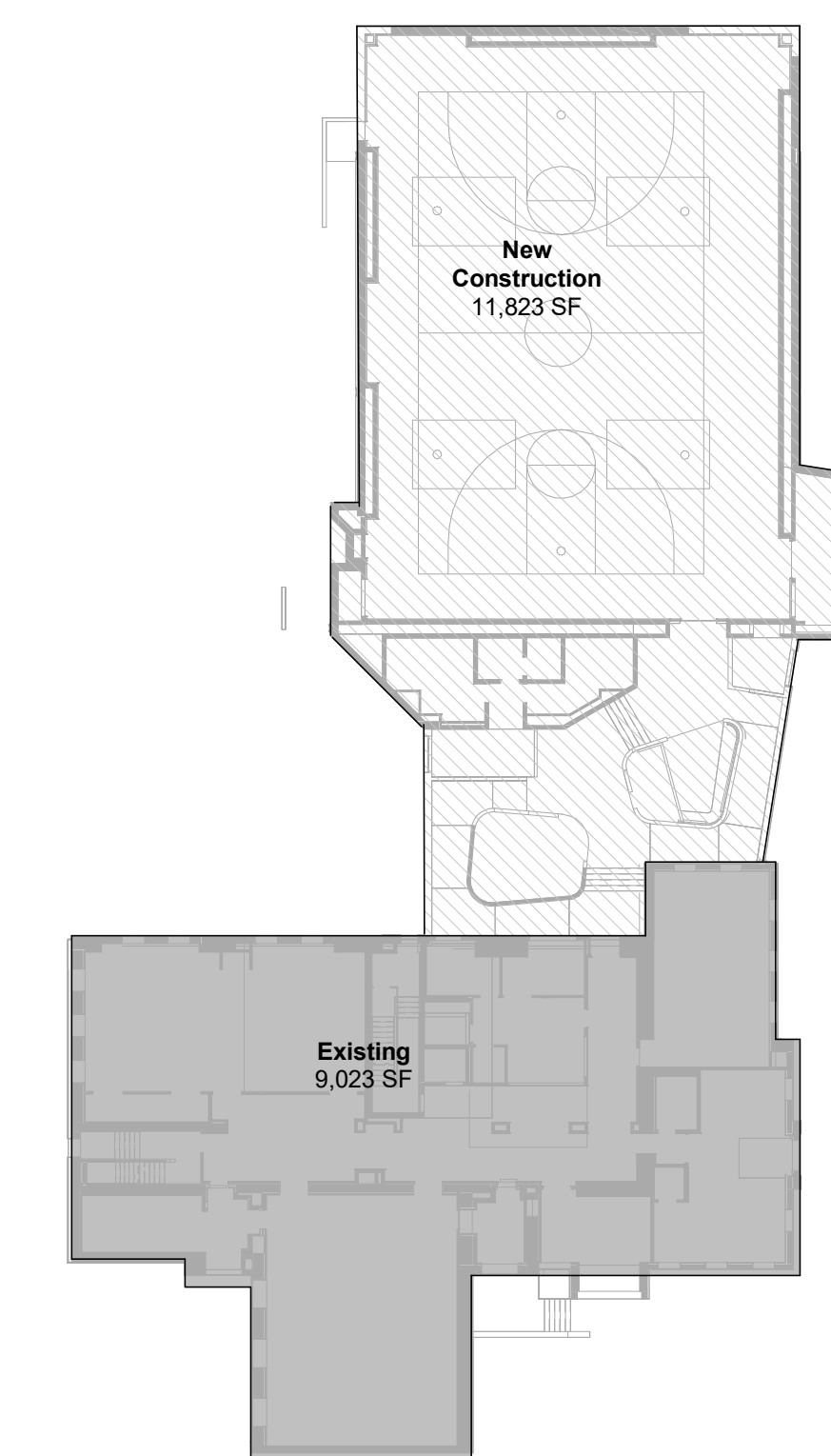
Whole building analysis/trade-off path See Energy Model Report



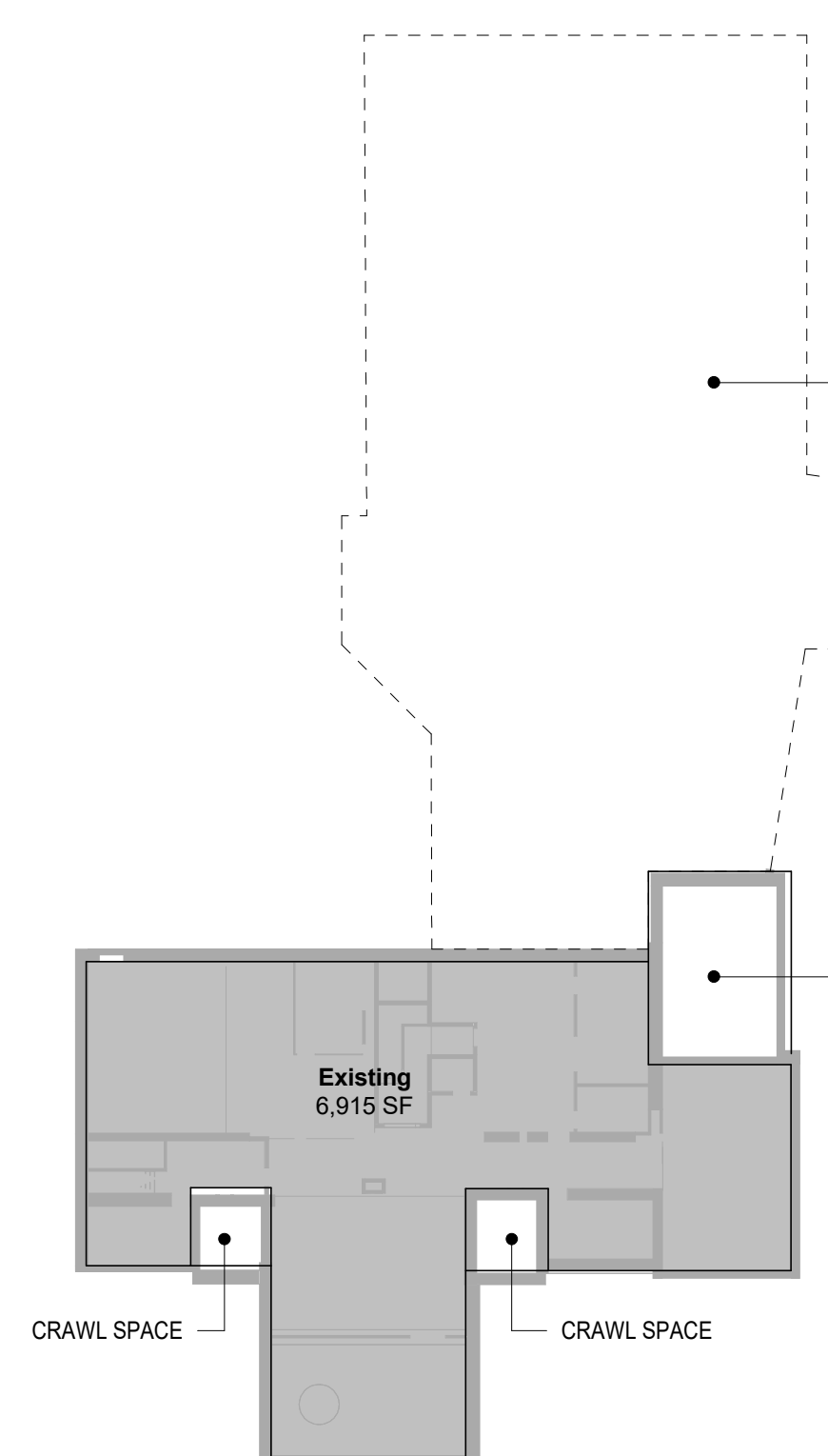
**4 LEVEL 3 WORK AREA**  
1/32" = 1'-0"



**3 LEVEL 2 WORK AREA**  
1/32" = 1'-0"



**2 LEVEL 1 WORK AREA**  
1/32" = 1'-0"



**1 BASEMENT WORK AREA**  
1/32" = 1'-0"

**DIGSAU**

CLIENT  
**REBUILD**  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

MEP/FP ENGINEER  
**dbHMS**  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 287.217.1612

LIGHTING DESIGN  
**The Lighting Practice**  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 810.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
**Database+**  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.915.0557  
www.databasedplus.com

DATE: DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	1/32" = 1'-0"
FORMAT:	30" X 42"
DRAWN:	
CHECKED:	BM / MG
DATE:	4/7/2023

**SHEET NAME: BUILDING DATA & CODE SUMMARY**

SHEET NUMBER:

**G100**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**







**CLIENT**  
REBUILD  
1515 Arch Street  
Mazzanine Level  
Philadelphia, PA 19104

**OWNER**  
CITY OF PHILADELPHIA  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

**ARCHITECT**  
DIGSAU  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsaugroup.com

**CIVIL ENGINEER**  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

**STRUCTURAL ENGINEER**  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

**LANDSCAPE ARCHITECT**  
Ground Reconsidered  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

**MEP/PE ENGINEER**  
dbHMS  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 297.217.1812

**LIGHTING DESIGN**  
The Lighting Practice  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

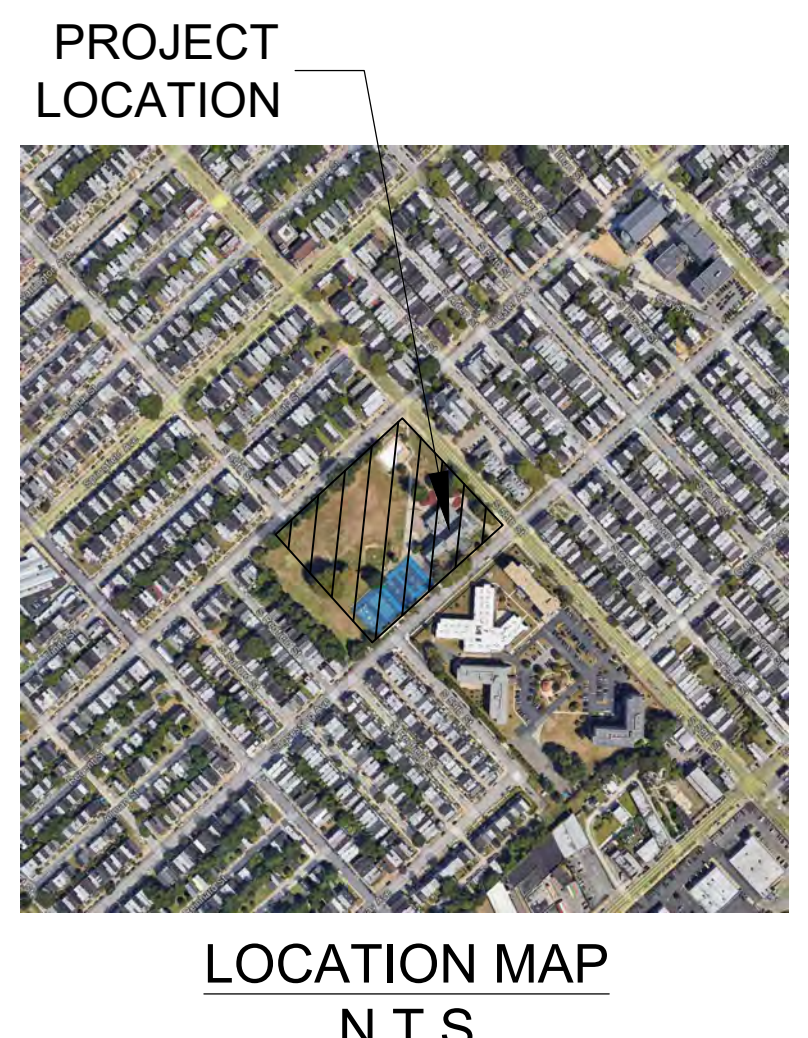
**COST ESTIMATING**  
Dharam Consulting  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 610.554.6560

**ENVIRONMENTAL CONSULTANT**  
Brightfields, Inc.  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

**LEED CONSULTANT**  
DataBase+  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.315.0557  
www.databasaplus.com

### LEGEND

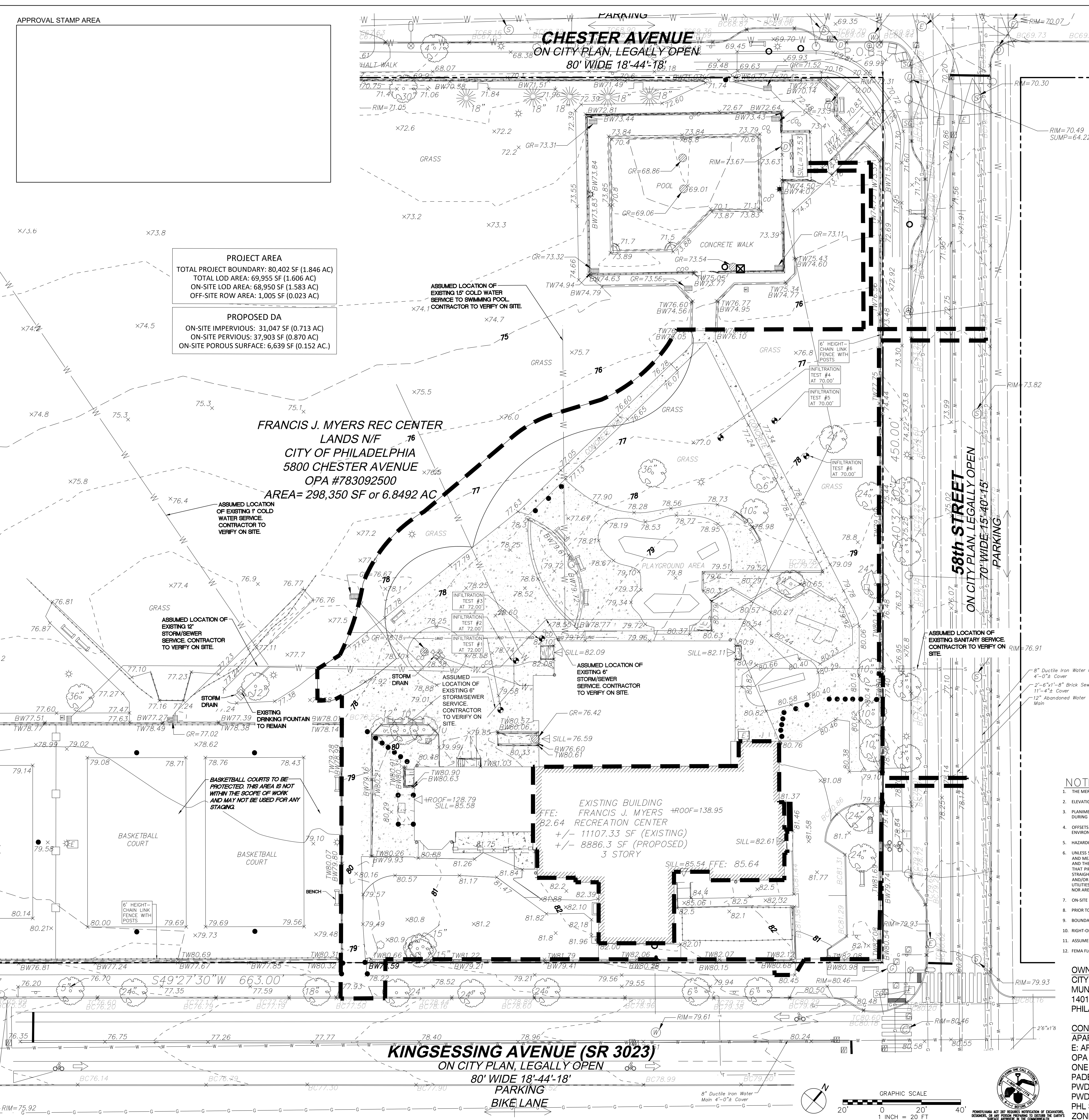
EXISTING	PROPOSED
PROJECT SITE BOUNDARY	---
RAIL TRACK	---
PROPERTY LINE	---
SETBACK LINE	---
BUILDING OVERHANG	---
FENCE	---
CURB	---
SIDEWALK	---
UNDERGROUND ELECTRIC	---
SANITARY SEWER	---
NATURAL GAS	---
WATER LINE	---
OVERHEAD ELECTRIC	---
MAJOR CONTOUR	---
MINOR CONTOUR	---
DRAINAGE / STORMWATER	---
CONCRETE	---
ASPHALT	---
LANDSCAPE AREA	---
BUILDING	---
BENCH	---
SPOT ELEVATION	---
LIMIT OF SMP / BMP	---
STORM MANHOLE / CLEANOUT	---
DRAINAGE / STORMWATER MANHOLE	---
TREE	---
WATER VALVE	---
WATER METER	---
GAS METER	---
GAS VALVE	---
ELECTRICAL HANDHOLE	---
ELECTRICAL METER	---
SANITARY MANHOLE	---
UTILITY POLE	---
LIGHT	---
SIGN	---
BOLLARD	---
ABANDONED WATER LINE	---



- ### NOTES
- THE MERIDIAN OF THIS SURVEY IS REFERENCED TO THE PHILADELPHIA CITY DATUM.
  - ELEVATIONS SHOWN ARE REFERENCED TO THE PHILADELPHIA CITY DATUM.
  - PLANIMETRIC INFORMATION SHOWN HEREON HAS BEEN OBTAINED FROM GROUND SURVEYS BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. DURING DECEMBER 2020 AND JANUARY 2021.
  - OFFSETS (IF SHOWN) ARE FOR SURVEY REFERENCES ONLY AND SHOULD NOT BE USED IN CONSTRUCTION OF ANY TYPE. LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. RECOMMENDS THE PLACEMENT OF SURVEY MARKERS.
  - HAZARDOUS MATERIALS LOCATION, IF ANY, NOT COVERED UNDER THIS CONTRACT.
  - UNLESS SPECIFICALLY NOTED HEREON, STORM AND SANITARY SEWER INFORMATION (INCLUDING PIPE INVERT, PIPE MATERIAL, AND PIPE SIZE) WAS OBSERVED AND MEASURED AT FIELD LOCATED STRUCTURES (MANHOLES, CATCH BASINS, ETC.). CONDITIONS CAN VARY FROM THOSE ENCOUNTERED AT THE TIMES WHEN AND THE LOCATIONS WHERE DATA WAS OBTAINED. DESPITE MEETING THE REQUIRED STANDARD OF CARE THE SURVEYOR CANNOT AND DOES NOT WARRANT THAT PIPE MATERIAL AND/OR PIPE SIZE THROUGHOUT THE PIPE RUN ARE THE SAME AS THOSE OBSERVED AT EACH STRUCTURE. OR THAT THE PIPE RUN IS STRAIGHT BETWEEN THE LOCATED STRUCTURES. ADDITIONAL UTILITY (WATER, GAS, ELECTRIC ETC.) DATA SHOWN FROM FIELD LOCATED EXISTING STRUCTURES, AND/OR FROM EXISTING DRAWINGS, UNLESS SPECIFICALLY NOTED HEREON THE SURVEYOR HAS NOT EXCAVATED TO PHYSICALLY LOCATE THE UNDERGROUND UTILITIES. THE SURVEYOR MAKES NO GUARANTEE THAT THE SHOWN UNDERGROUND UTILITIES ARE EITHER IN SERVICE, ABANDONED OR SUITABLE FOR USE, NOR ARE IN THE EXACT LOCATION OR CONFIGURATION INDICATED HEREON.
  - ON-SITE INLETS AND YARD DRAINS ARE FULL OF DEBRIS AND DIRT. INLETS WITH TRAP DOORS DID NOT ALLOW FOR DIRECT ACCESS TO PIPE INFORMATION.
  - PRIOR TO ANY DESIGN OR CONSTRUCTION THE PROPER UTILITY AGENCIES MUST BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS.
  - BOUNDARY LINES HAVE BEEN PLOTTED BASED ON DEED BOOK 1892 PAGE 355.
  - RIGHT-OF-WAY LINES ARE PLOTTED BASED ON COMPLETION CITY PLAN NO. 151, DATED JANUARY 22, 2002, SHEET 3 OF 4.
  - ASSUMED PRESENCE OF HISTORIC FILL. TESTING OF MATERIALS REMOVED FROM SITE AS REQUIRED.
  - FEMA FLOOD ZONE X - AREA OF MINIMAL FLOOD HAZARD

**OWNER:**  
CITY OF PHILA - DEPT OF RECREATION  
MUNICIPAL SERVICES BUILDING  
1401 JOHN F. KENNEDY BLVD, RM 1030  
PHILADELPHIA, PA 19102

**CONTACT:**  
APARNA PALANTINO  
E: APARNA.PALANTINO@PHILA.GOV  
OPA Account Number: 783092500  
ONE CALL NO.: 20231092101  
PADEP NPDES TRACK NO.: PAC510303  
PWD SPR TRACKING NO.: FY23-FRAN-7052-01  
PWD UPR TRACKING NO.: UPR-FY23-FRAN-5669  
PHL STREETS TRACK NO.: SR-2023-017272  
ZONING PERMIT NO.: ZP-2023-000857



**PROJECT AREA**  
TOTAL PROJECT BOUNDARY: 80,402 SF (1.846 AC)  
TOTAL LOD AREA: 69,955 SF (1.606 AC)  
ON-SITE LOD AREA: 68,950 SF (1.583 AC)  
OFF-SITE ROW AREA: 1,005 SF (0.023 AC)

**PROPOSED DA**  
ON-SITE IMPERVIOUS: 31,047 SF (0.713 AC)  
ON-SITE PERVIOUS: 37,903 SF (0.870 AC)  
ON-SITE POROUS SURFACE: 6,639 SF (0.152 AC)

ASSUMED LOCATION OF EXISTING 15" COLD WATER SERVICE TO SWIMMING POOL. CONTRACTOR TO VERIFY ON SITE.

ASSUMED LOCATION OF EXISTING 12" STORM/SEWER SERVICE CONTRACTOR TO VERIFY ON SITE.

ASSUMED LOCATION OF EXISTING 6" STORM/SEWER SERVICE CONTRACTOR TO VERIFY ON SITE.

ASSUMED LOCATION OF EXISTING 6" STORM/SEWER SERVICE CONTRACTOR TO VERIFY ON SITE.

ASSUMED LOCATION OF EXISTING 6" STORM/SEWER SERVICE CONTRACTOR TO VERIFY ON SITE.

BASKETBALL COURTS TO BE PROTECTED. THIS AREA IS NOT WITHIN THE SCOPE OF WORK AND MAY NOT BE USED FOR ANY STAGING.

PROFESSIONAL ENGINEER  
EXPIRES 09-30-2023

APARNA PALANTINO  
SIGNATURE  
04/14/2023  
DATE

NO.	DATE	DESCRIPTION
3	04/07/2023	100% CD ISSUE
2	3/29/2023	PWD PCSM RESUBMISSION 1
1	1/12/2023	PWD PCSM SUBMISSION

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave., Philadelphia, PA 19143

PROJECT #:	2022097-00
SCALE:	1" = 20'
FORMAT:	30" X 42"
DRAWN:	JVL
CHECKED:	JG
DATE:	04/07/2023

**SHEET NAME:**  
**EXISTING CONDITION INFILTRATION TEST LOCATION PLAN**

**SHEET NUMBER:**  
**C-100**

**PROJECT PHASE:**  
**CONSTRUCTION DOCUMENTS**











APPROVAL STAMP AREA

PADEP NPDES NOTES

- 1. THE PERMITTEE IS RESPONSIBLE FOR ASSURING THAT ANY FILL MATERIAL USED AT THE SITE... WITH THE EXCEPTION OF SITES ENROLLED IN DEP'S LAND RECYCLING AND ENVIRONMENTAL REMEDIATION STANDARDS (ACT 2) PROGRAM AND SITES WITH DEP WASTE MANAGEMENT GENERAL PERMIT (WMGR096) APPROVAL TO USE REGULATED FILL...

TEMPORARY MULCHING:

- 1. MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT... 2. MULCH MATERIALS SHOULD BE UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY TO BE APPLIED AT THE RATE 1 1/2 - 2 TONS PER ACRE...

TEMPORARY SEEDING:

- 1. THE FOLLOWING SURFACES OF THE SITE SHALL BE TEMPORARILY SEEDED AND MULCHED: 1.1. THE SURFACE OF TOPSOIL STOCKPILES. 1.2. THE SURFACE OF EXPOSED EARTH AREAS THAT WILL BE EXPOSED WITHOUT CONSTRUCTION ACTIVITY THEREON... 3. SEEDING SHALL OCCUR IMMEDIATELY AFTER ESTABLISHMENT OF THE TOPSOIL STOCKPILES OR ROUGH GRADED AREAS...

SITE HOUSEKEEPING AND MATERIALS MANAGEMENT

WASTE MANAGEMENT - BUILDING MATERIALS AND OTHER CONSTRUCTION SITES MUST BE PROPERLY MANAGE DISPOSED OF TO REDUCE POTENTIAL FOR POLLUTION TO SURFACE AND GROUND WATERS PER 25 PA CODE 102.4B(5)(IX). PROPER TRASH DISPOSAL, RECYCLING OF MATERIALS, PROPER MATERIALS HANDLING, AND SPILLED PREVENTION AND CLEAN-UP REDUCE THE POTENTIAL FOR CONSTRUCTION WASTES TO BE MOBILIZED BY STORMWATER RUNOFF AND CONVEYED TO SURFACE WATERS.

UNDER NO CIRCUMSTANCES MAY EROSION CONTROL BMPs BE USED FOR TEMPORARY STORAGE OF DEMOLITION MATERIALS OR CONSTRUCTION WASTES.

ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS MUST BE FOLLOWED IN THE USE, HANDLING, AND DISPOSAL OF POTENTIAL HAZARDOUS MATERIALS

APPENDIX E, TABLE E-5, V. 3.2 (OCTOBER 2020)STANDARD E&S PLAN NOTES:

- 1. AN INDUSTRIAL WASTE PERMIT WILL BE REQUIRED SHOULD PUMPING TO CITY-OWNED INFRASTRUCTURE BECOME NECESSARY DURING CONSTRUCTION. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS. 2. INLET PROTECTION SHOULD BE PROVIDED FOR ALL INLETS OWNED BY PWD THAT ARE LOCATED WITHIN ONE BLOCK OF THE PROJECT SITE.

APPENDIX C - STANDARD E&S PLAN NOTES

- 1. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. 2. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM PWD TO AN ON-SITE PRECONSTRUCTION MEETING.

CONSTRUCTION SCHEDULE AND PROCEDURE FOR IMPLEMENTATION OF SOIL EROSION AND SEDIMENT CONTROL MEASURES:

- 1. AT LEAST SEVEN (7) DAYS PRIOR TO ANY EARTH DISTURBANCE, THE INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) MUST BE CALLED TO SCHEDULE A PRECONSTRUCTION MEETING. 2. AT LEAST THREE (3) DAYS PRIOR TO (UNDERGROUND INFILTRATION SYSTEM) INSTALLATION, THE INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) MUST BE CALLED TO SCHEDULE AN INSPECTION (FOR EACH SMP). 3. ALL STONE THAT MAKES UP THE (UNDERGROUND DETENTION SYSTEM) MUST REMAIN FREE OF SEDIMENT. IF SEDIMENT ENTERS THE STONE, THE CONTRACTOR MAY BE REQUIRED TO REMOVE THE SEDIMENT AND REPLACE IT WITH CLEAN-WASHED STONE.

Table with 2 columns: Item #, Description. Contains details for SUBSURFACE INFILTRATION BASIN-1 & INFILTRATION BASIN 2, including areas for proposed subsurface infiltration, erosion and sedimentation control, and infiltration BMPs.

- NOTE 1: PROPOSED POLYPROPYLENE GEOTEXTILE BEING USED FOR SMP BASINS MEETS THE FOLLOWING REQUIREMENTS (AASHTO CLASS I OR II): A. GRAB TENSILE STRENGTH (ASTM-D4632): ≥ 220 LBS B. MULLEN BURST STRENGTH (ASTM-D3786): ≥ 225 LBS

DIGSAU logo and contact information. Includes details for CIVIL ENGINEER David Mason & Associates, ARCHITECT DIGSAU, STRUCTURAL ENGINEER David Mason & Associates, LANDSCAPE ARCHITECT Ground Reconstructors, MEP/FP ENGINEER dbms, LIGHTING DESIGN The Lighting Practice, COST ESTIMATING Dharan Consulting, ENVIRONMENTAL CONSULTANT Brightfields, Inc., LEED CONSULTANT Database+, and PROFESSIONAL ENGINEER JAMES G. LEATON JR.

Table with 2 columns: Item #, Description. Contains revision history for CD ISSUE, PWD PCSM RESUBMISSION 1, and PWD PCSM SUBMISSION.

Table with 2 columns: Item #, Description. Contains revision history for CD ISSUE, PWD PCSM RESUBMISSION 1, and PWD PCSM SUBMISSION.

FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS 5800 Chester Ave. Philadelphia, PA 19143

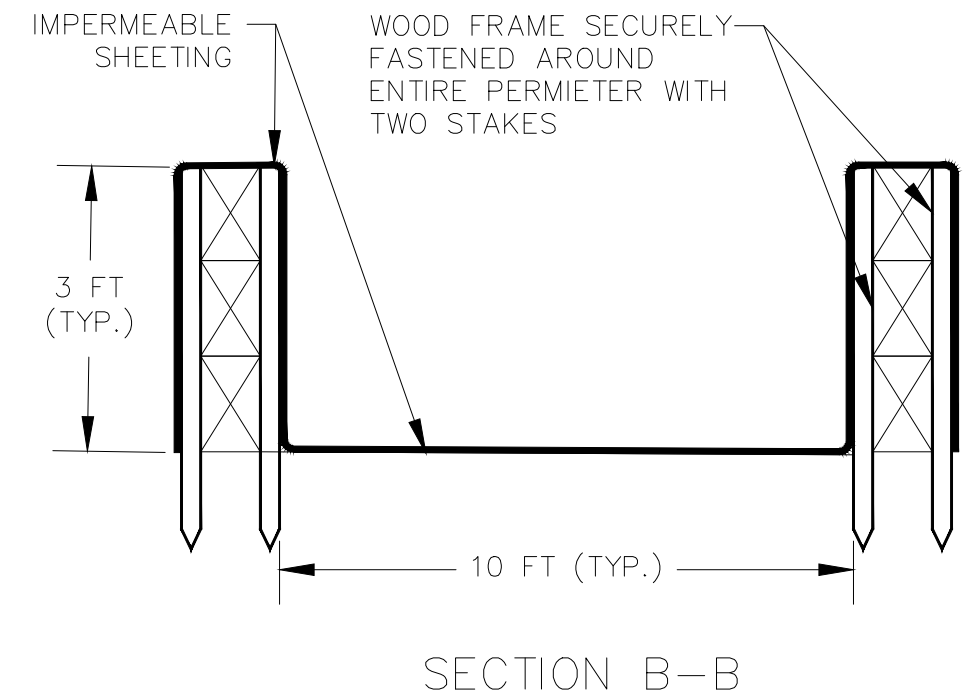
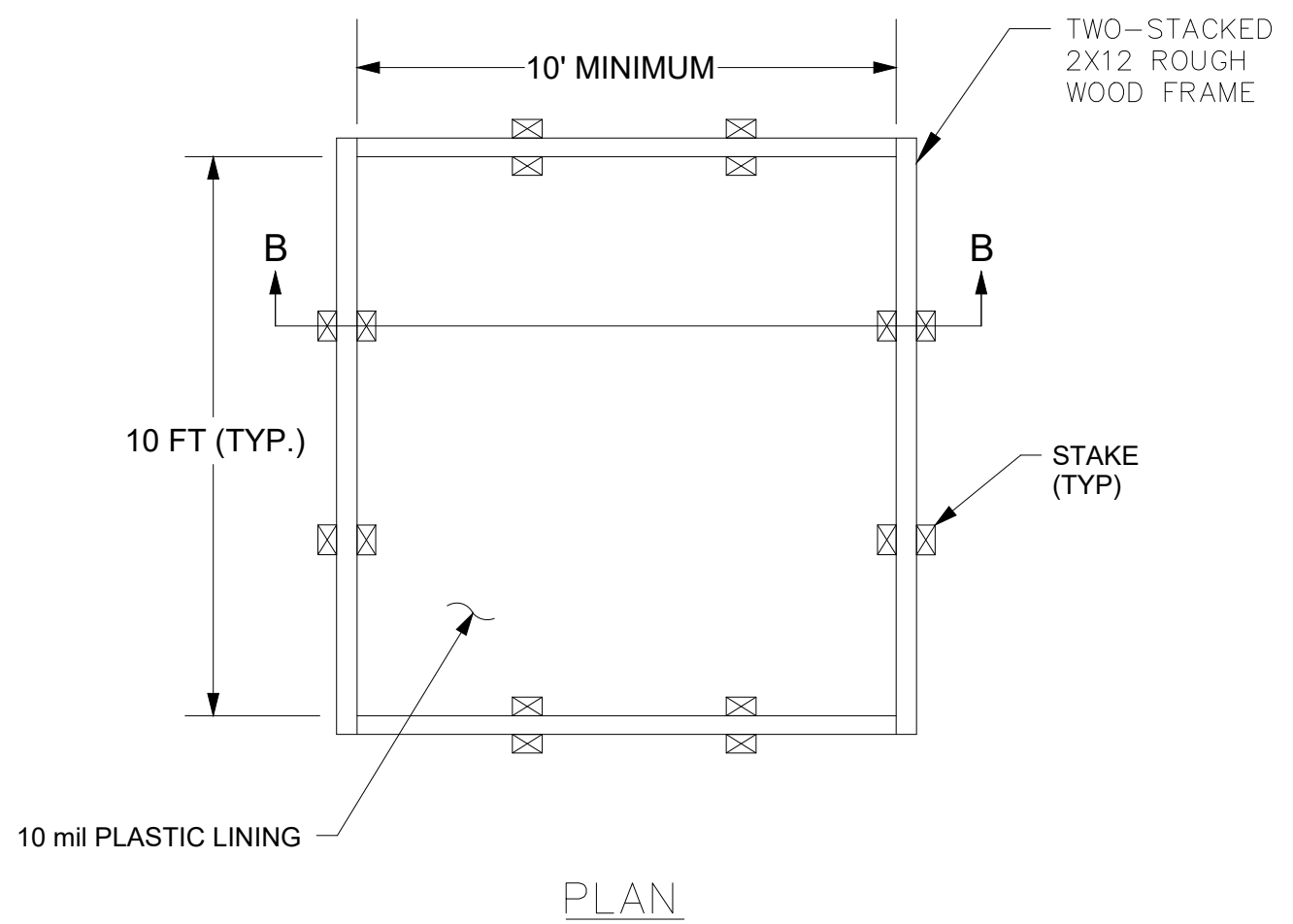
Table with 2 columns: Field, Value. Includes PROJECT # (2020297-00), SCALE (1" = 20'), FORMAT (30" X 42'), DRAWN (JVL), CHECKED (JG), and DATE (04/07/2023).

SHEET NAME: EROSION AND SEDIMENT CONTROL NOTES

SHEET NUMBER: C-251 PROJECT NAME: CONSTRUCTION DOCUMENTS



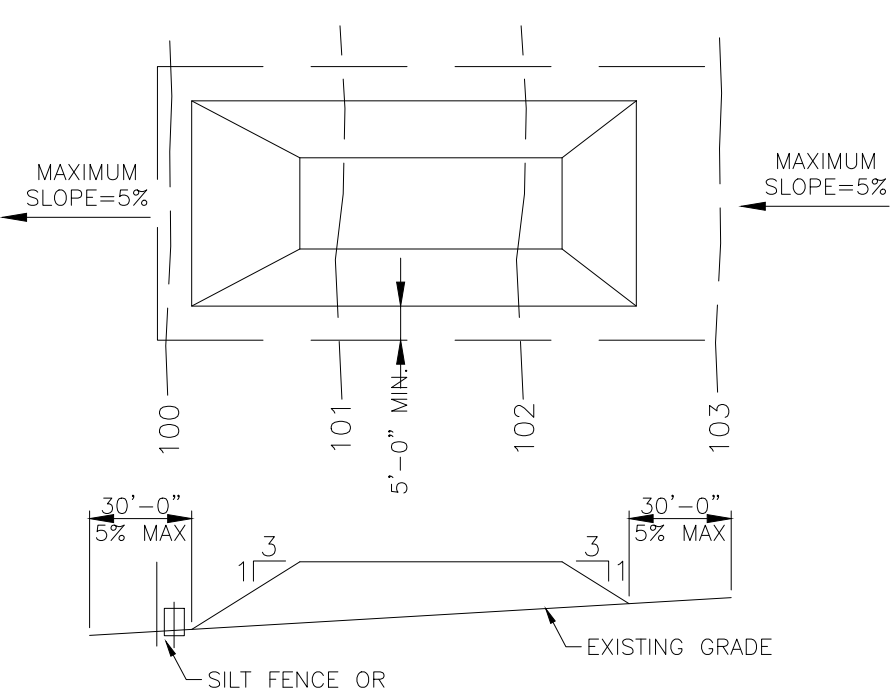
**APPROVAL STAMP AREA**



- CONSTRUCTION SPECIFICATIONS:**
1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREA, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
  2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 12 INCHES OF FREEBOARD ABOVE THE LIQUID AND SOLID WASTE ANTICIPATED BETWEEN CLEANOUT INTERVALS... TYPICAL DIMENSION ARE 10 FEET X 10 FEET X 3 FT DEEP.
  3. PREPARE SOLID BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER FOR LINER. USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
  4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO FACILITY.

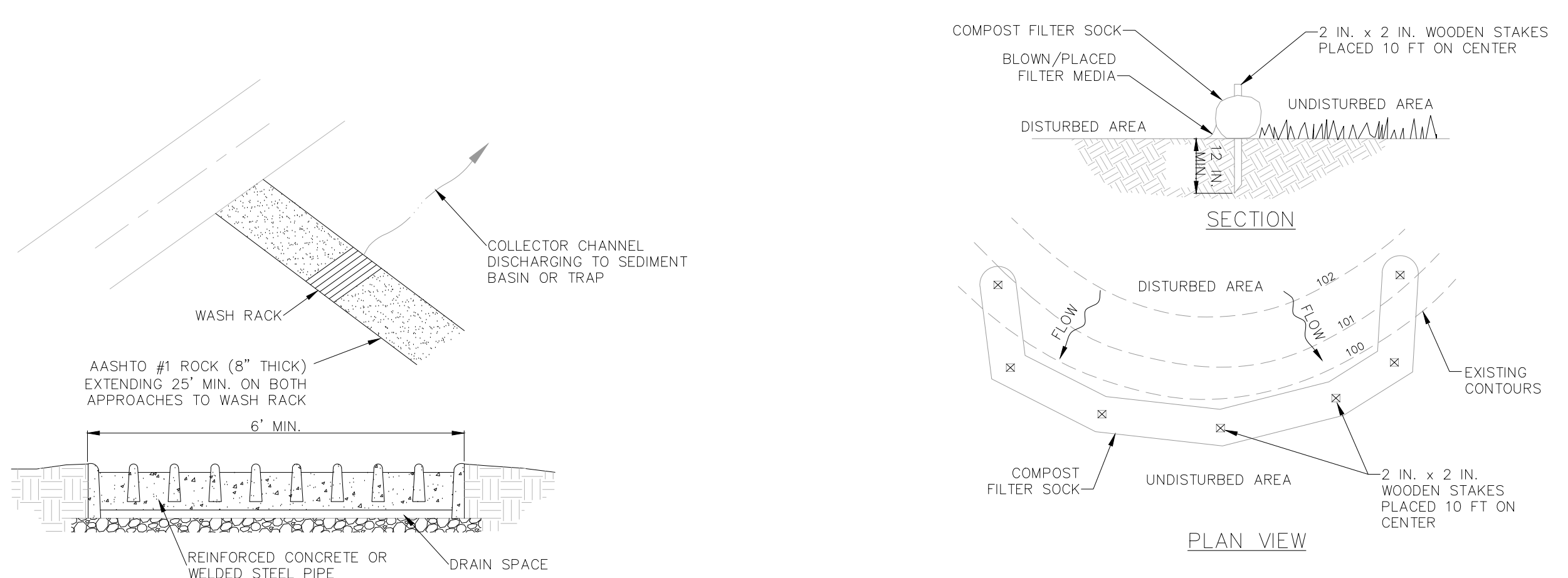
- MAINTENANCE:**
1. ALL CONCRETE WASHOUT FACILITIES SHOULD BE INSPECTED DAILY. DAMAGED OR LEAKING WASHOUT SHOULD BE DEACTIVATED AND REPAIRED OR REPLACE IMMEDIATELY. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED).
  2. ACCUMULATED MATERIALS SHOULD BE REMOVED WHEN THEY REACH 75% CAPACITY AND DISPOSE OF ACCUMULATED MATERIALS PROPERLY.
  3. DO NOT REUSE PLASTIC LINER. PLASTIC LINERS SHOULD BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.
  4. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINFALL, REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

**4 CONCRETE WASHOUT DETAILS**  
C252 NTS



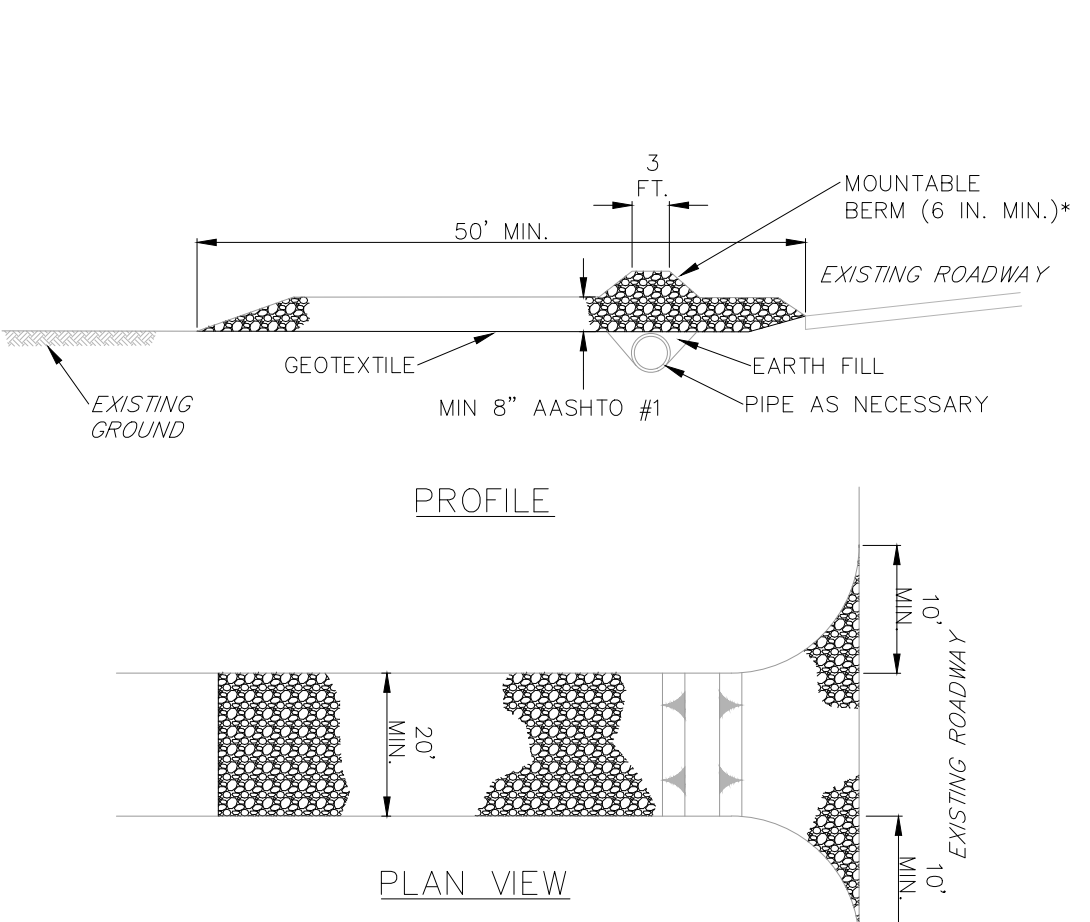
- NOTES:**
1. PLACE STOCKPILES AT LOCATIONS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN.
  2. ALL SIDE SLOPES SHALL BE 3:1 OR FLATTER.
  3. STOCKPILE SHALL RECEIVE VEGETATIVE COVER IN ACCORDANCE WITH MINIMUM STABILIZATION REQUIREMENTS.
  4. SILT FENCE OR HAY BALE FILTER SHALL BE INSTALLED AS DETAILED HEREON.
  5. MAX. STOCK PILE HEIGHT TO BE 20FT.

**5 STOCKPILE CONTROL DETAIL**  
C252 NTS

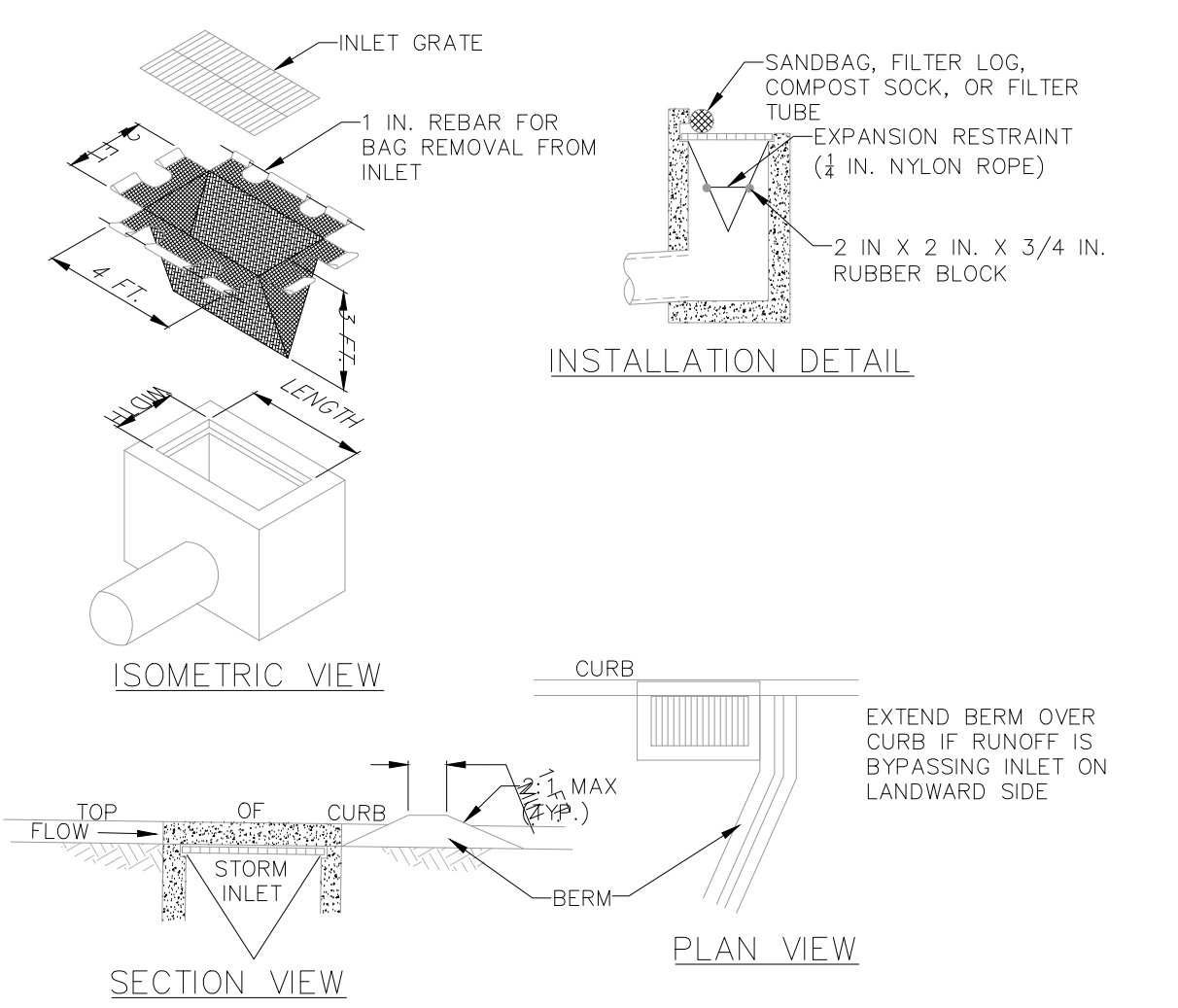


- NOTES:**
- SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.
- COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.
- TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
- COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
- PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

**1 STANDARD CONSTRUCTION DETAIL #3-2**  
**ROCK CONSTRUCTION ACCESS WITH WASH RACK**  
C502 SCALE: NOT TO SCALE

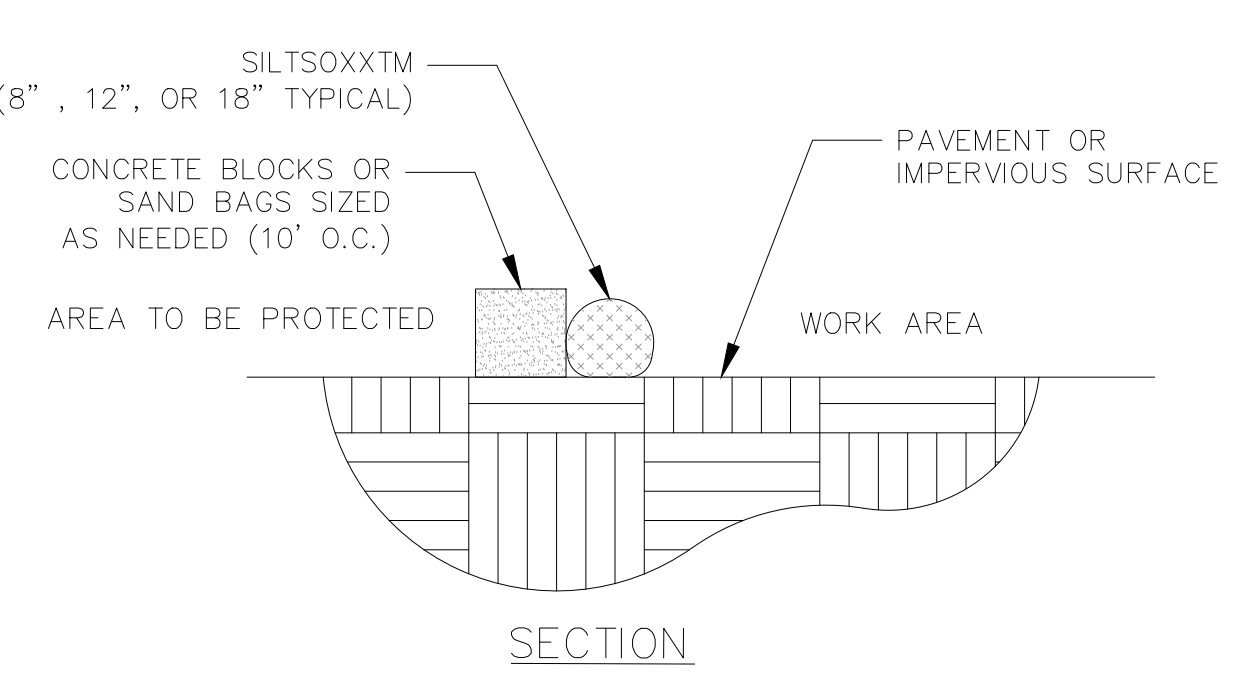


**2 STANDARD CONSTRUCTION DETAIL #4-1**  
**COMPOST FILTER SOCK**  
C252 SCALE: NOT TO SCALE

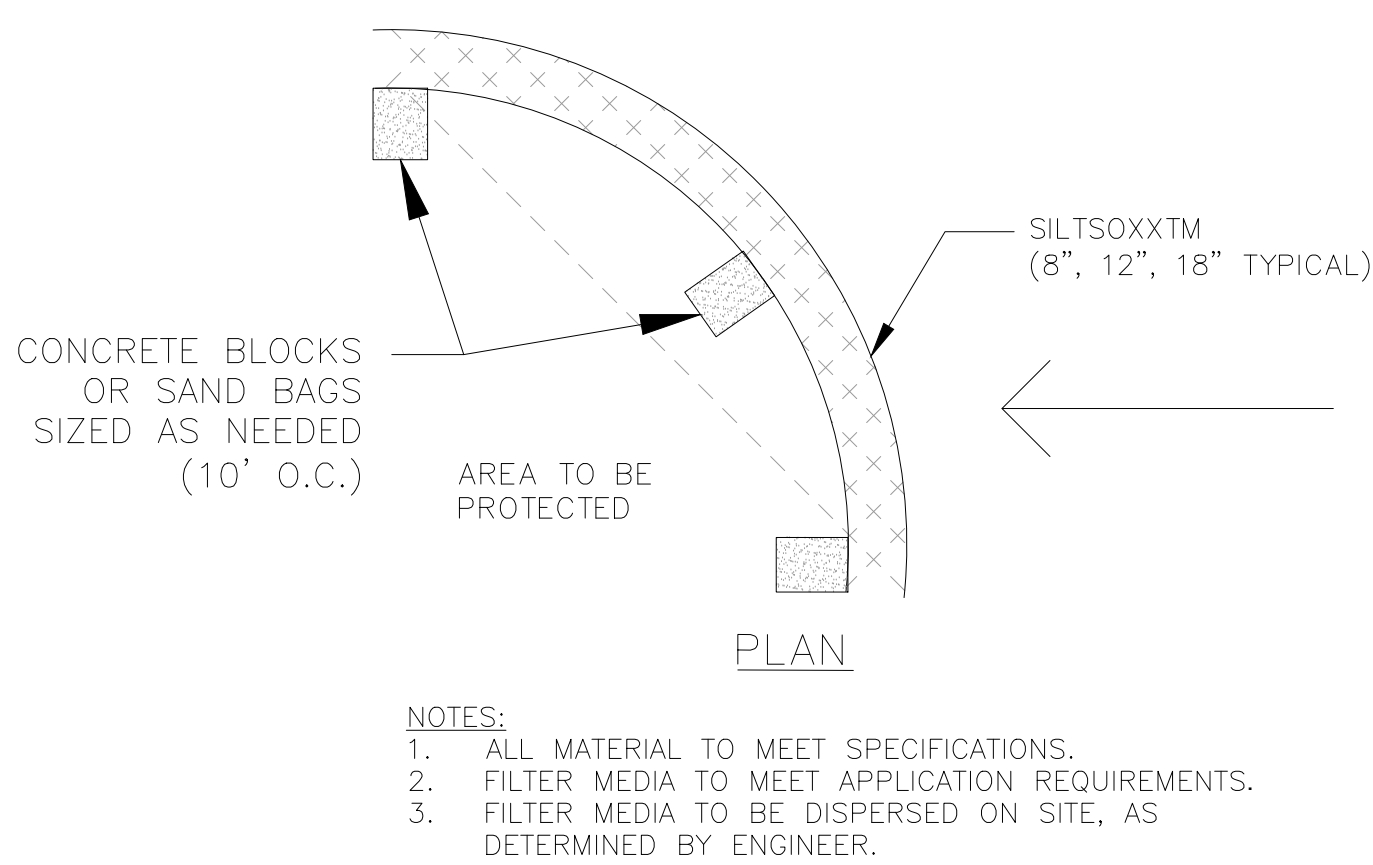


- NOTES:**
- MAXIMUM DRAINAGE AREA = 1/2 ACRE.
- INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.
- ROLLED EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT.
- AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, A MINIMUM BURST STRENGTH OF 200 PSF, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.
- INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED, RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.
- DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

**6 STANDARD CONSTRUCTION DETAIL #3-1**  
**ROCK CONSTRUCTION ENTRANCE**  
C252 SCALE: NOT TO SCALE

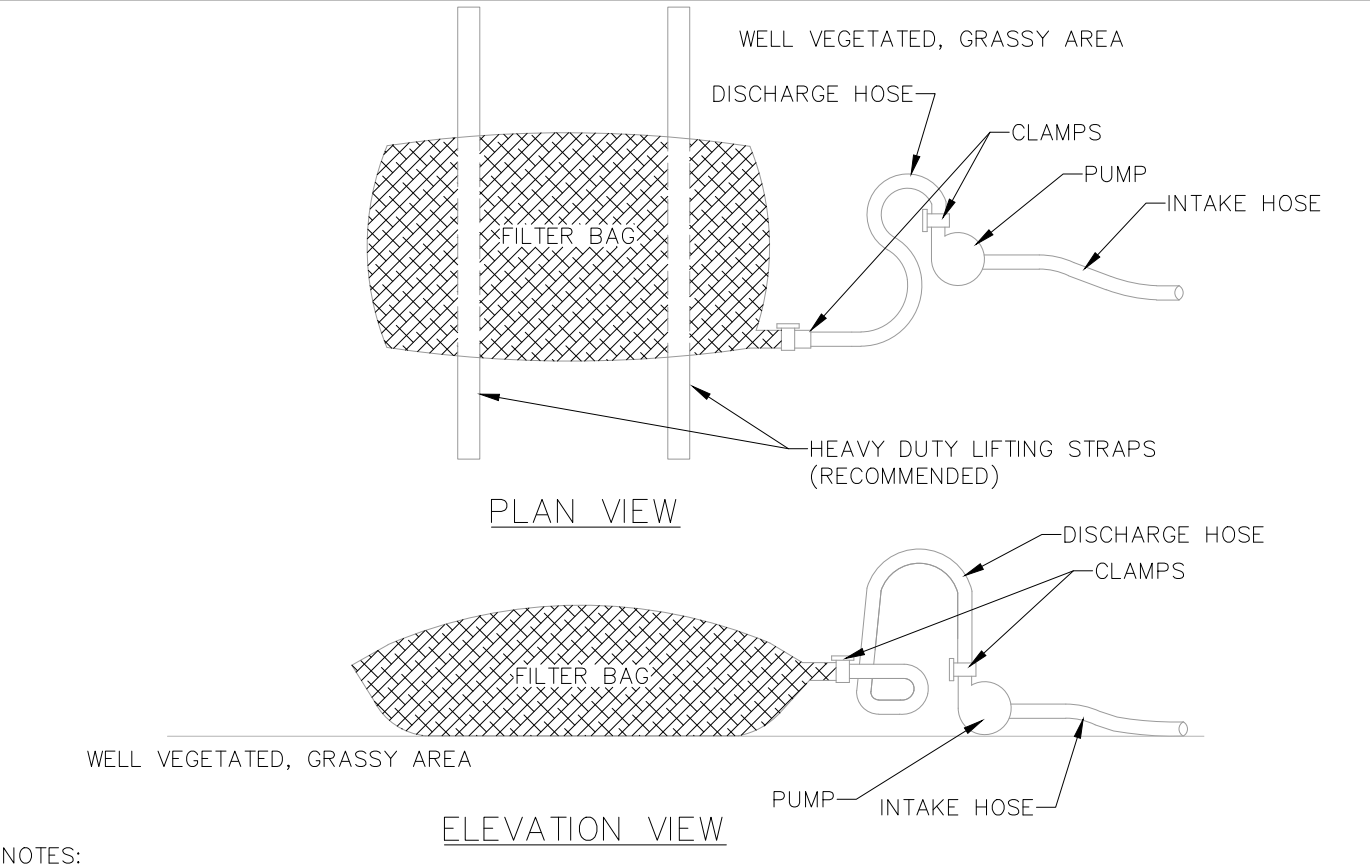


**7 STANDARD CONSTRUCTION DETAIL #4-15**  
**FILTER BAG INLET PROTECTION - TYPE C INLET**  
C252 SCALE: NOT TO SCALE



- NOTES:**
1. ALL MATERIAL TO MEET SPECIFICATIONS.
  2. FILTER MEDIA TO MEET APPLICATION REQUIREMENTS.
  3. FILTER MEDIA TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

**8 TYPICAL COMPOST SOCK SEDIMENT CONTROL DEVICE**  
C252 NTS



**NOTES:**

LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSF
UV RESISTANCE	ASTM D-4355	70%
ADS % RETAINED	ASTM D-4751	80 SIEVE

- A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.
- BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5% FOR SLOPES EXCEEDING 5%. CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
- NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.
- THE PUMP, DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.
- THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.
- FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

**3 STANDARD CONSTRUCTION DETAIL #3-16**  
**PUMPED WATER FILTER BAG**  
C252 SCALE: NOT TO SCALE

**DIGSAU**

**CLIENT**  
**REBUILD**  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconstructed**  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconstructed.com

**MEP/ELECTRICAL ENGINEER**  
**dbHMS**  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 297.277.1812

**LIGHTING DESIGN**  
**The Lighting Practice**  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

**COST ESTIMATING**  
**Dharam Consulting**  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 610.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

**LEED CONSULTANT**  
**DataBase+**  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.915.0557  
www.databasedplus.com

PROFESSIONAL ENGINEER  
EXPIRES 09-30-2024

PROFESSIONAL ENGINEER  
(APPROPRIATE)

JAMES C. GLEATON JR.  
ENGINEER  
PESSORIE  
PENNSYLVANIA

SIGNATURE  
*James Gleaton Jr.*  
04/14/2023  
DATE

NO.	DATE	DESCRIPTION
3	04/07/2023	100% CD ISSUE
2	3/29/2023	PCMD PCSM RESUBMISSION 1
1	1/12/2023	PCMD PCSM SUBMISSION

**FRANCIS J. MYERS**  
**RECREATION CENTER**  
**SITE AND BUILDING**  
**IMPROVEMENTS**

5800 Chester Ave.  
Philadelphia, PA 19143

PROJECT #: 2020297-00  
SCALE: 1" = 20'  
FORMAT: 30" X 42"  
DRAWN: JYL  
CHECKED: JG  
DATE: 04/07/2023

**SHEET NAME:**  
**EROSION AND**  
**SEDIMENT CONTROL**  
**NOTES**

SHEET NUMBER:  
**C-252**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



CLIENT  
**REBUILD**  
1515 Arch Street  
Mazzanine Level  
Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

MEP/FP ENGINEER  
**dbms**  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 297.217.1812

LIGHTING DESIGN  
**The Lighting Practice**  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 610.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
**DataBase+**  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.315.0557  
www.databasplus.com

PROFESSIONAL ENGINEER  
**JAMES C. GLEATON JR.**  
04/14/2023  
DATE

NO.	DATE	DESCRIPTION
3	04/07/2023	100% CD ISSUE
2	3/29/2023	PWD PCSM RESUBMISSION 1
1	1/12/2023	PWD PCSM SUBMISSION

## FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

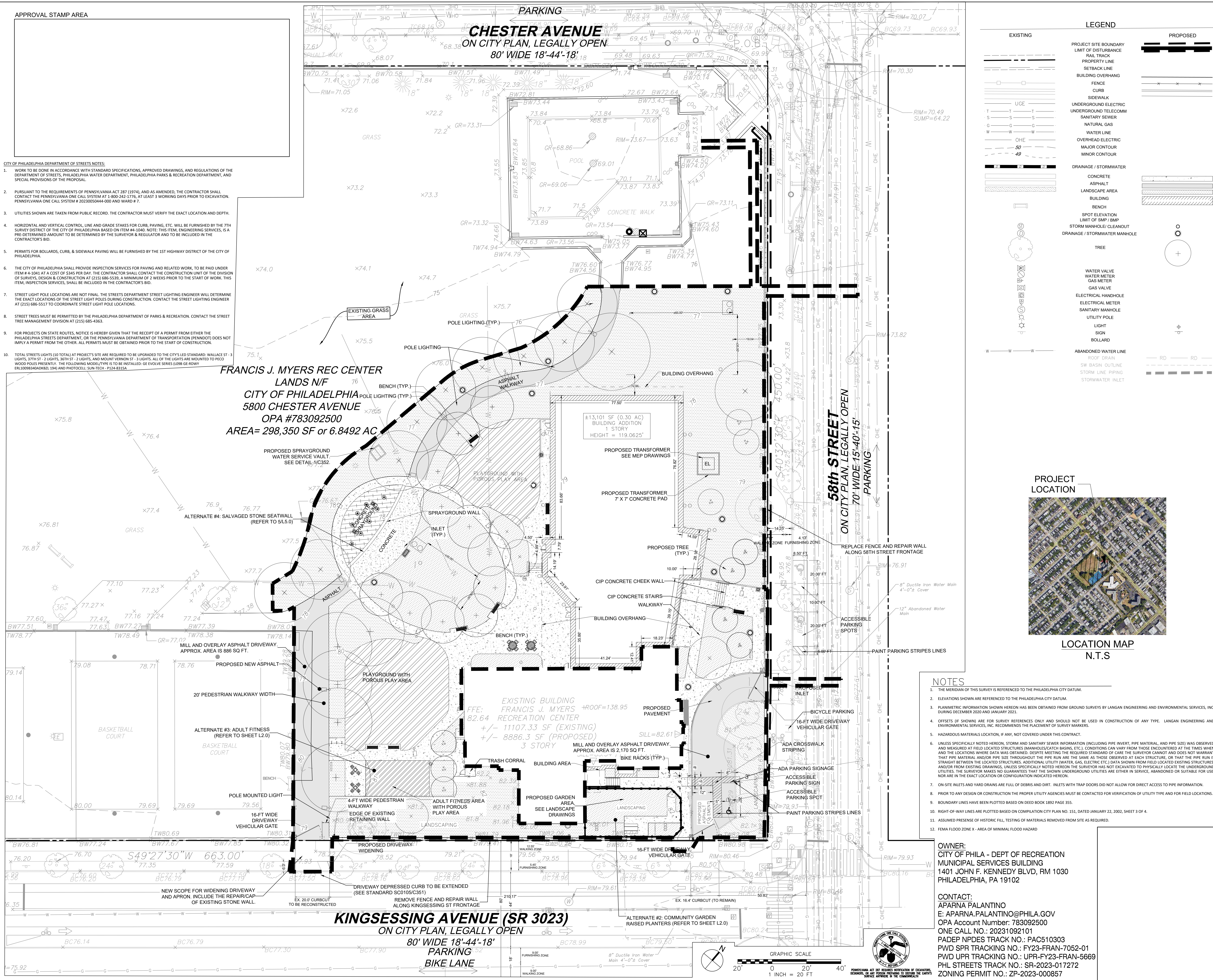
5800 Chester Ave.  
Philadelphia, PA 19143

PROJECT #:	2022097-00
SCALE:	1" = 20'
FORMAT:	30" X 42"
DRAWN:	JYL
CHECKED:	JG
DATE:	04/07/2023

SHEET NAME:  
**SITE PLAN**

SHEET NUMBER:  
**C-300**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**

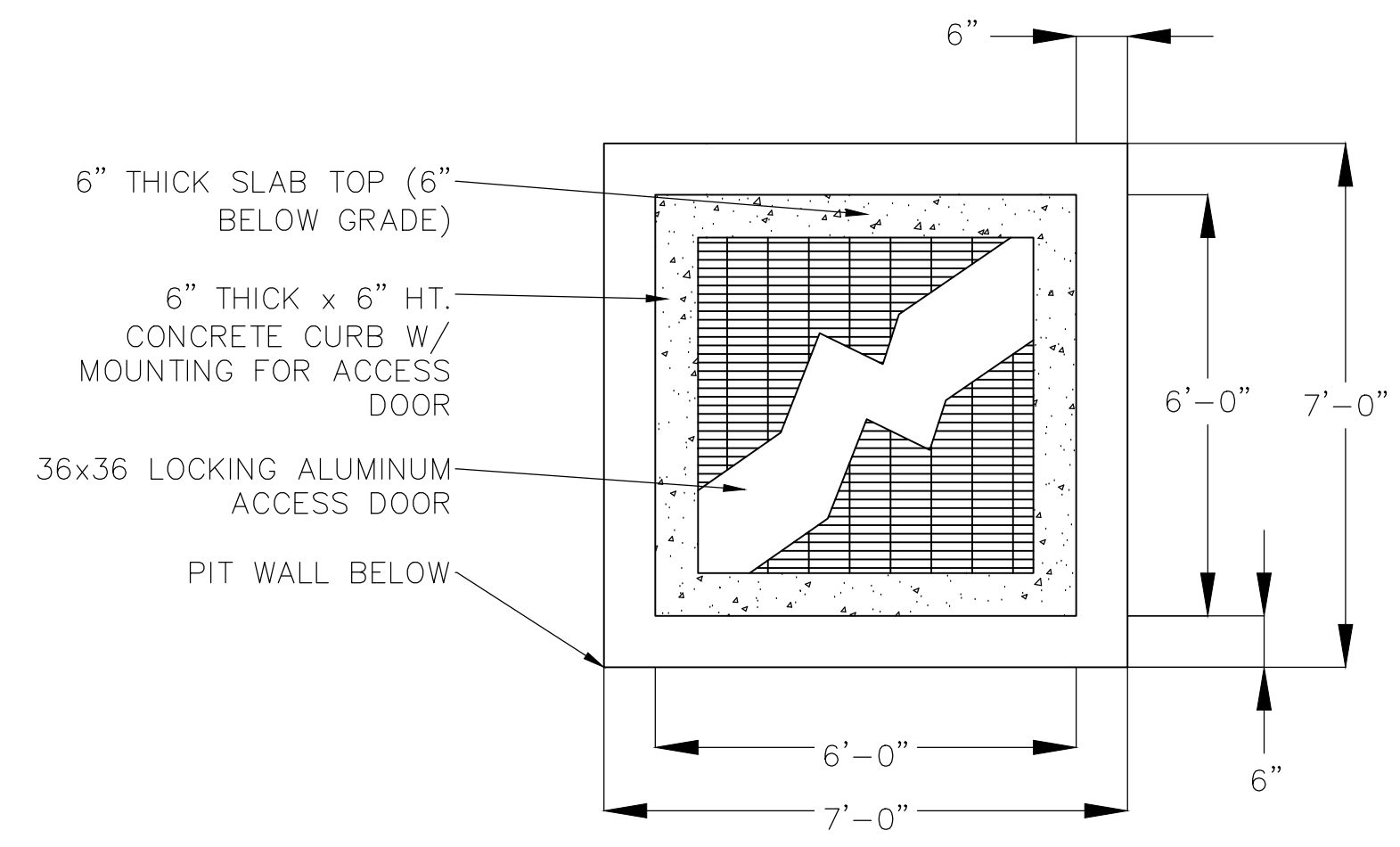
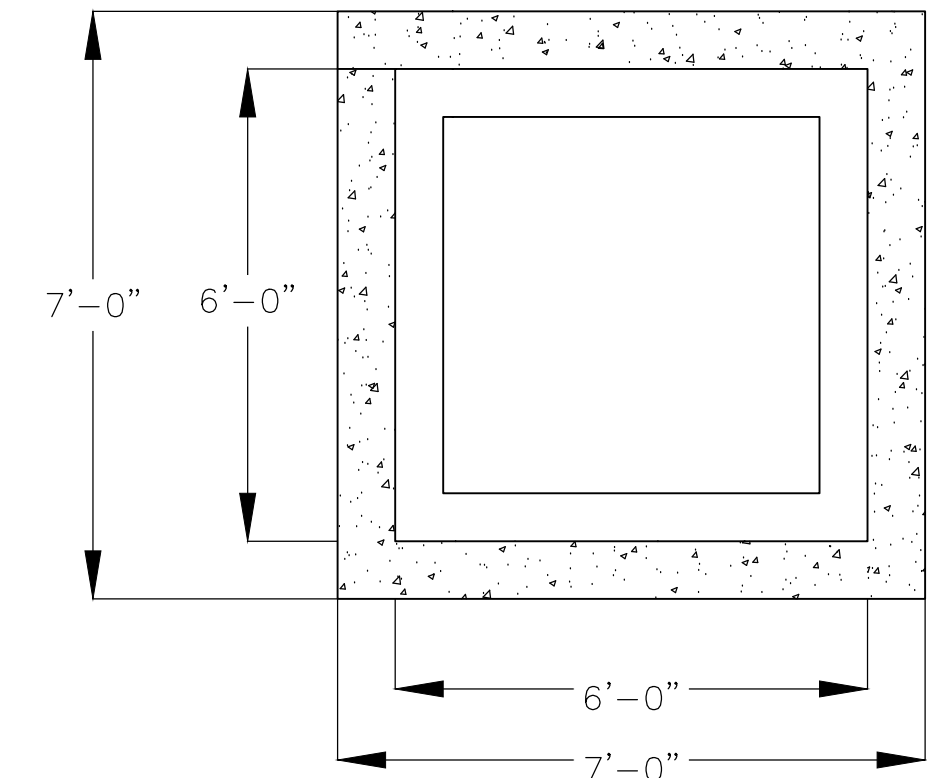
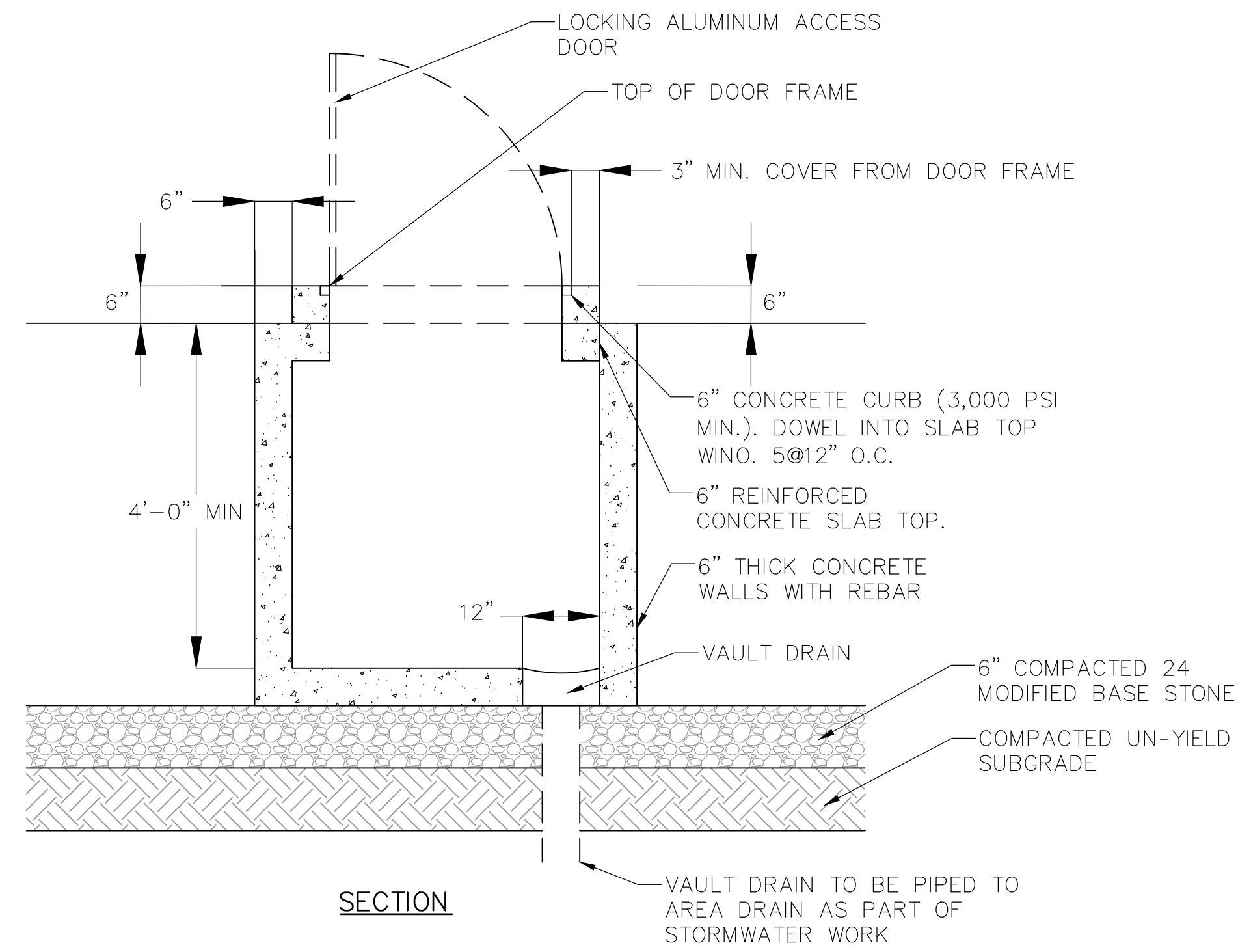
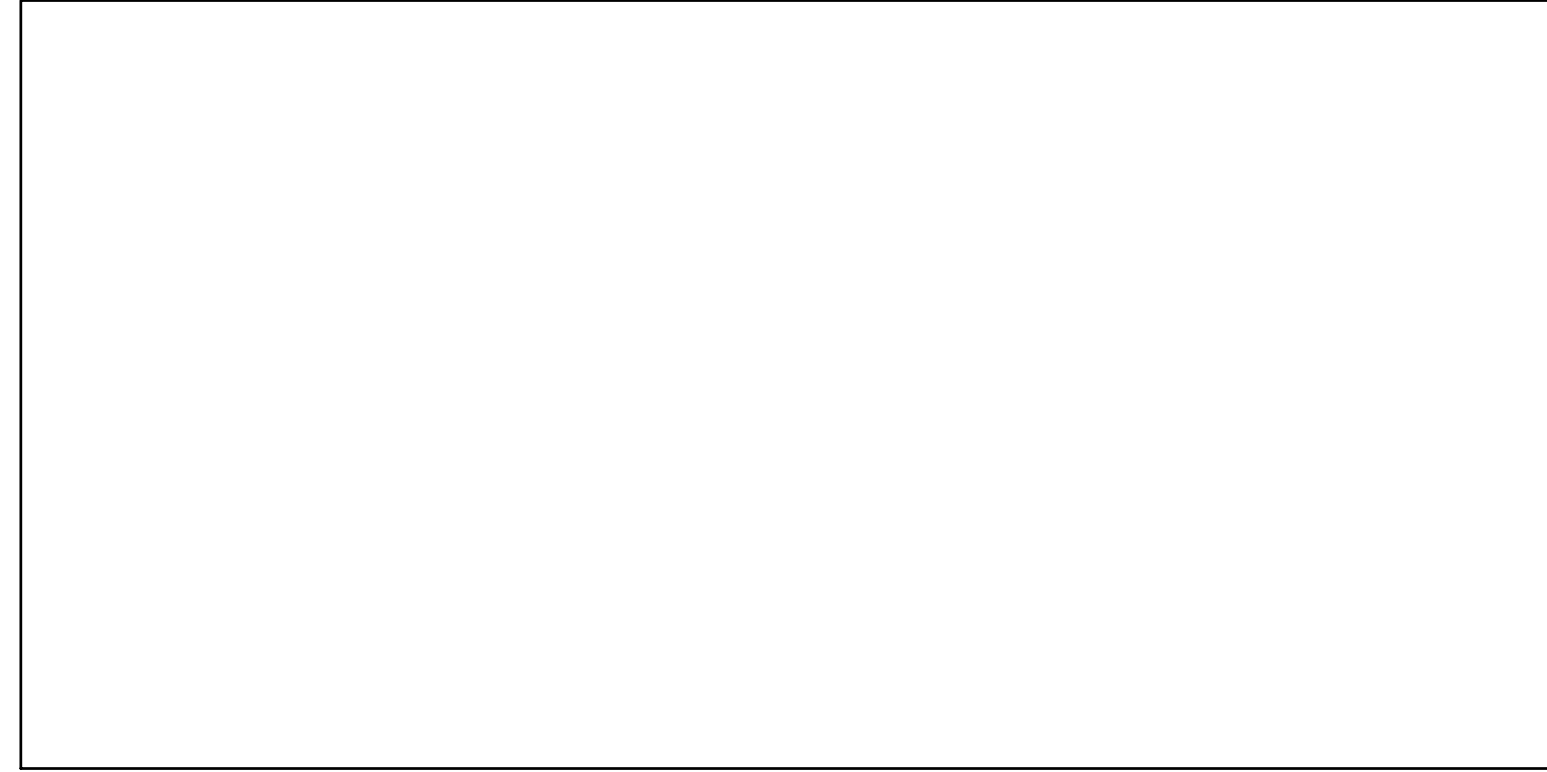








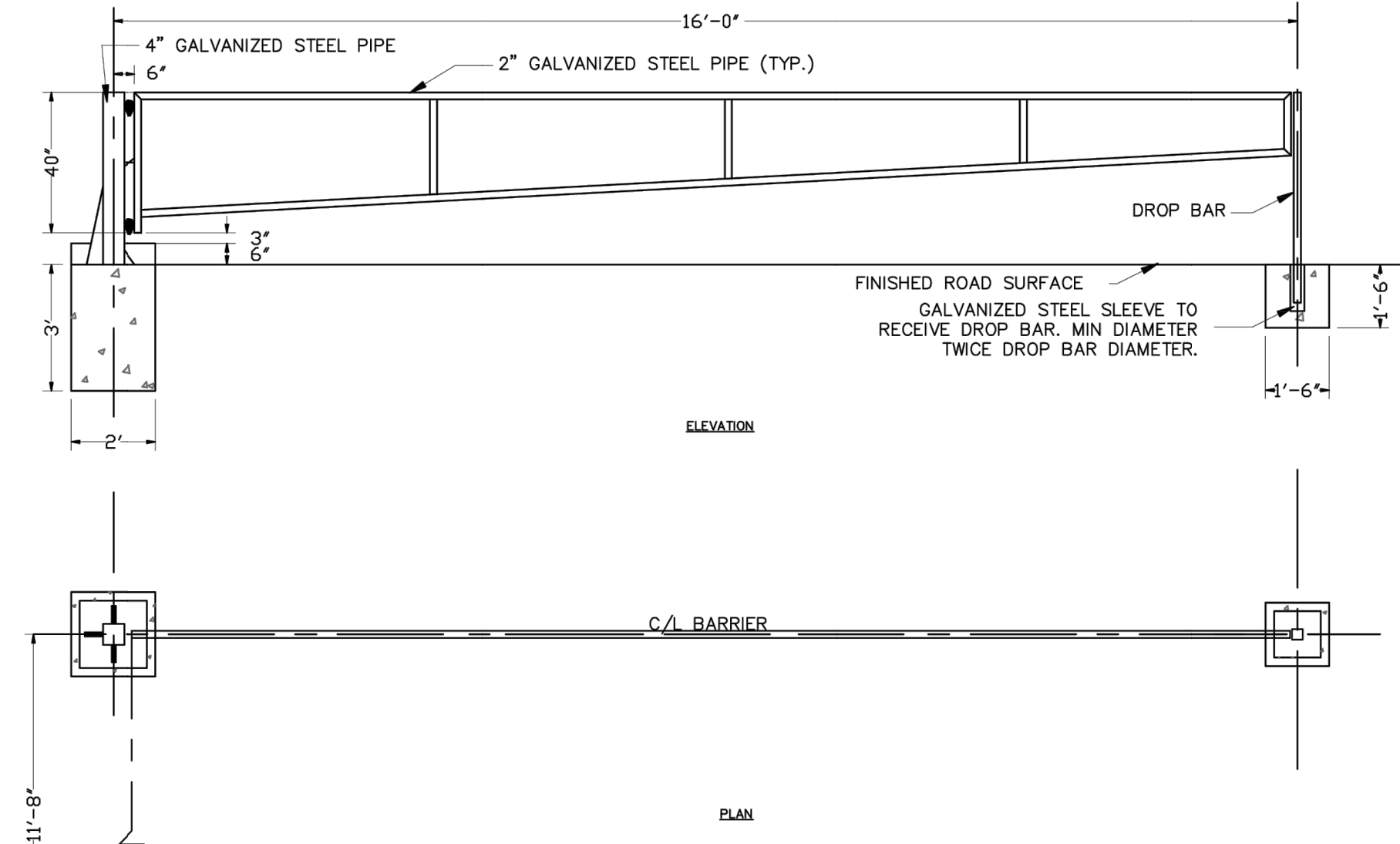
APPROVAL STAMP AREA



**1 SPRAYGROUND VAULT (FOR INFORMATION ONLY)**  
 C352 SCALE: NOT TO SCALE

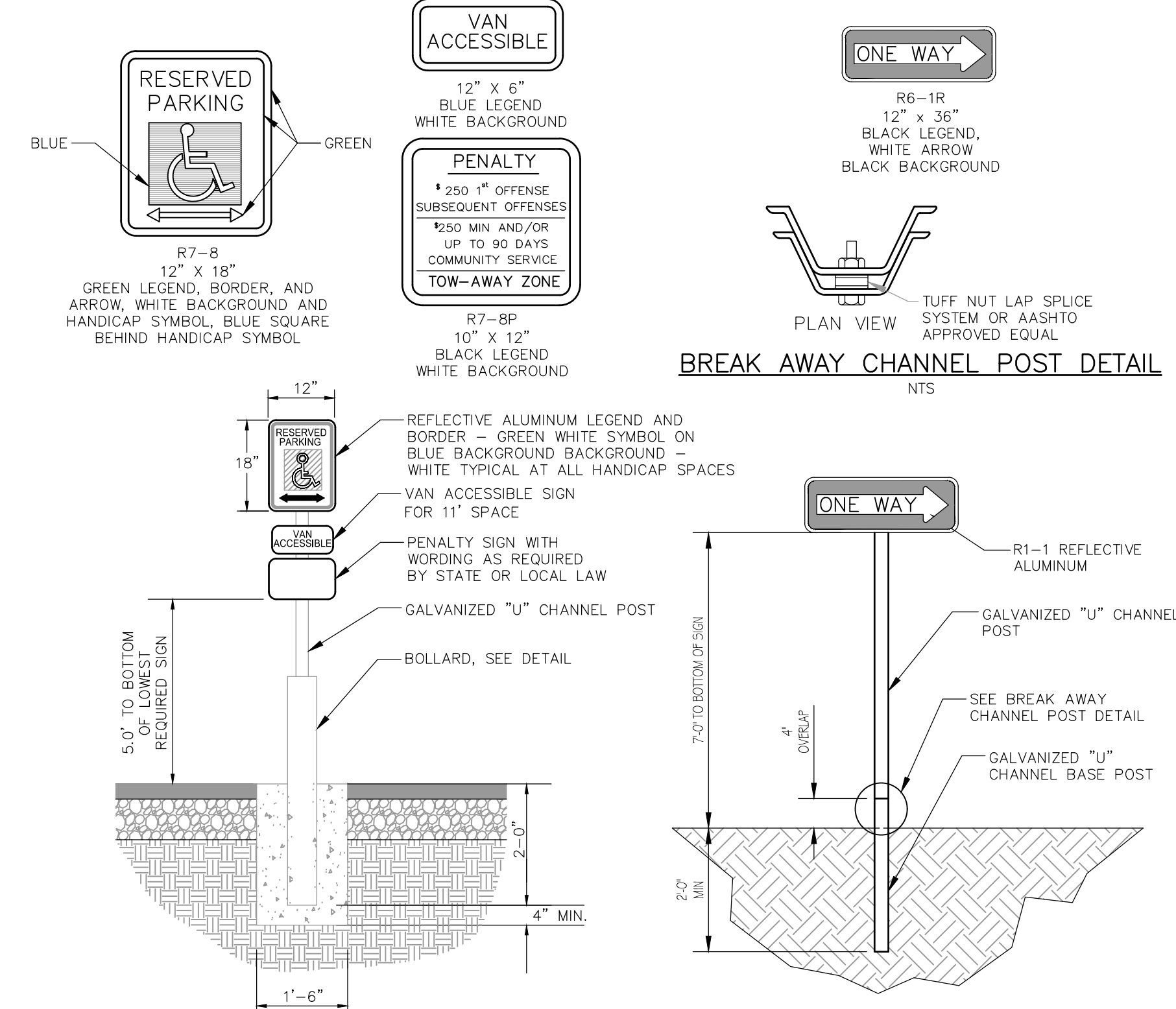
NOTES:  
 1. EXPECTED FLOW: 21 GPM  
 2. FOR INFORMATION ONLY. SEE PLUMBING DRAWINGS FOR ADDITIONAL DETAILS AND CALCULATIONS FOR SPRAY GROUND WATER SERVICE.

NOTES:  
 1. CONCRETE VAULT SHALL BE MANUFACTURED BY ALTOMORE PRECAST CONCRETE.  
 2. CONTRACTOR TO CONFIRM REQUIRED INTERIOR DIMENSIONS OF CONCRETE VAULT PRIOR TO FABRICATION; COORDINATE WITH SPRAYGROUND EQUIPMENT SUPPLIER.  
 3. SPRAYGROUND MANIFOLD VAULT LID TO BE PAINTED WITH WHITE CERAMIC PAINT.



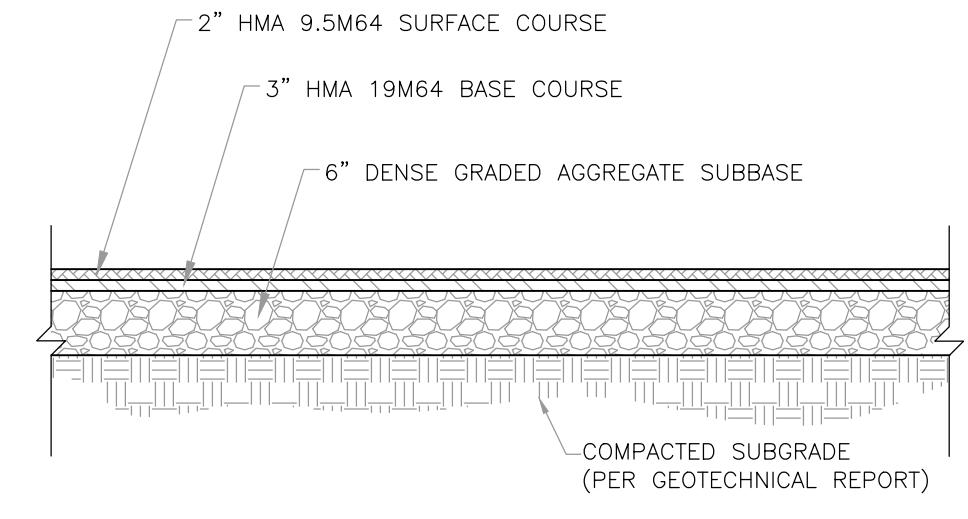
NOTES:  
 1. CONCRETE TO BE CAST A MINIMUM OF 7 DAYS PRIOR TO INSTALLATION OF EQUIPMENT AND GATE. PROVIDE MINIMUM 3500 PSI CONCRETE FOR POST FOOTINGS.  
 2. PROVIDE GATE KEEP AND LATCHES AT BOTH LOCATIONS TO HOLD GATE IN THE OPEN AND CLOSED POSITIONS.  
 3. ADJUST LENGTH OF POST TO HOLD GATE OPEN TO COMPENSATE FOR GRADE CHANGE.  
 4. SUBMIT SHOP DRAWING FOR REVIEW AND APPROVAL PRIOR TO ORDERING GATE AND APPURTENANCES.

**2 16 FT VEHICULAR ACCESS GATE**  
 C352 SCALE: NOT TO SCALE



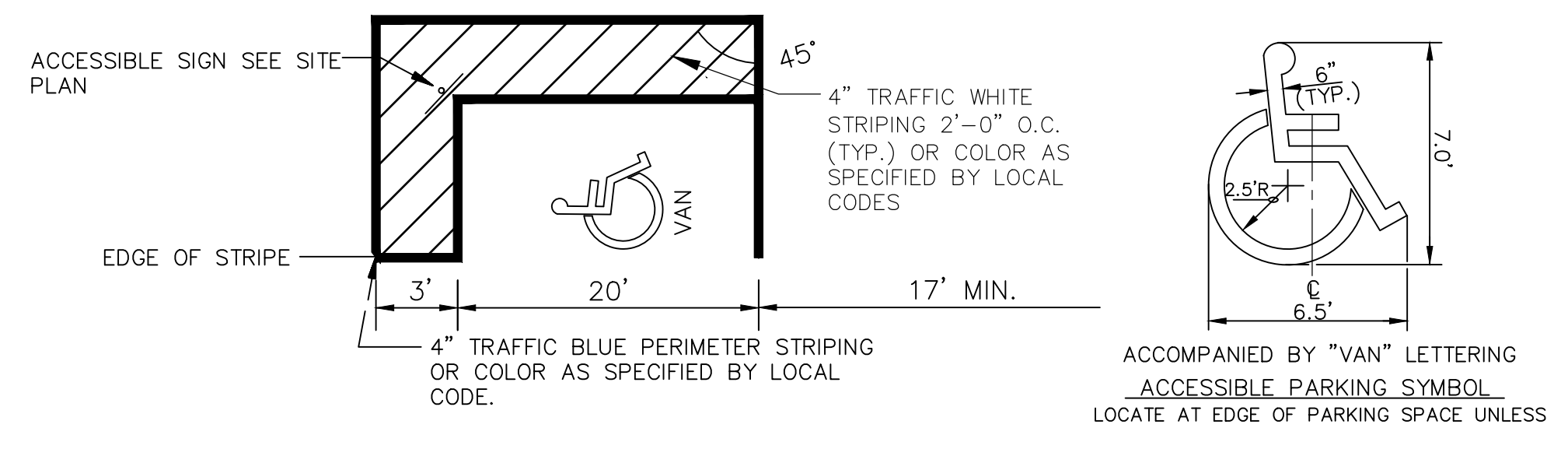
NOTES:  
 1. SIGNS SHALL MEET THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.  
 2. SIGNS ATTACHED WITH ACORN NUT TYPE FASTENERS.  
 3. THE DATE OF MANUFACTURER SHOULD BE PERMANENTLY AFFIXED TO THE REAR OF ALL SIGNS.  
 4. ALL SIGNS SHALL MEET THE CURRENT RETRO REFLECTIVITY REQUIREMENTS OF THE MUTCD AND NJDOT.

**3 SITE SIGNAGE DETAIL**  
 C352 SCALE: NOT TO SCALE



NOTE:  
 1. REVISE TO MEET JOB AND LOCAL JURISDICTION REQUIREMENTS AND GEOTECHNICAL REPORT REQUIREMENTS. THE MINIMUM REQUIRED THICKNESS ARE SHOWN IN THE DETAIL. USE LOCAL DOT PAVEMENT MIX DESIGN FOR WEARING AND BINDING COURSES.  
 2. PROOF ROLL PREPARED SUBBASE SURFACE TO CHECK FOR UNSTABLE AREAS AND AREAS REQUIRING ADDITIONAL COMPACTION. NOTIFY ENGINEER OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.  
 3. VERIFY WITH GEOTECHNICAL ENGINEER FOR PAVEMENT THICKNESS.

**4 ASPHALT PAVEMENT DETAIL**  
 C352 SCALE: NOT TO SCALE



NOTE:  
 1. SEE SITE PLAN FOR TOTAL LAYOUT.  
 2. THESE DETAILS ARE FOR REFERENCE AND DIMENSION CONTROL ONLY.  
 3. 8\"/>

**5 ADA PARKING STALL DETAIL**  
 C352 SCALE: NOT TO SCALE

CLIENT  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

MEP/FP ENGINEER  
**OHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.6212

LIGHTING DESIGN  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 610.554.8560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
 601 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.3600  
 www.brightfields.com

LEED CONSULTANT  
**DataBased+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.918.0627  
 www.databasedplus.com

PROFESSIONAL ENGINEER  
 EXPRES 09-30-2023

PROFESSIONAL SEAL  
 JAMES C. GLEATON JR.  
 ENGINEER  
 PENNSYLVANIA

SIGNATURE  
 04/14/2023  
 DATE

3	04/07/2023	100% CD ISSUE
2	3/29/2023	PWD PCSM RESUBMISSION 1
1	1/12/2023	PWD PCSM SUBMISSION
DATE:	DESCRIPTION:	

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave.  
 Philadelphia, PA 19143

PROJECT #:	20202097-00
SCALE:	1" = 20'
FORMAT:	30" X 42"
DRAWN:	JYL
CHECKED:	JG
DATE:	04/07/2023

**SHEET NAME: SITE DETAILS 2**

SHEET NUMBER:  
**C-352**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



**CLIENT**  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

**MEP ENGINEER**  
**dbms**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 297.217.1612

**LIGHTING DESIGN**  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

**COST ESTIMATING**  
**Dharan Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 610.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

**LEED CONSULTANT**  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.315.0557  
 www.databasedp.com

**PROFESSIONAL ENGINEER**  
 EXP. 09-10-2023  
 SIGNATURE  
 04/14/2023  
 DATE

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

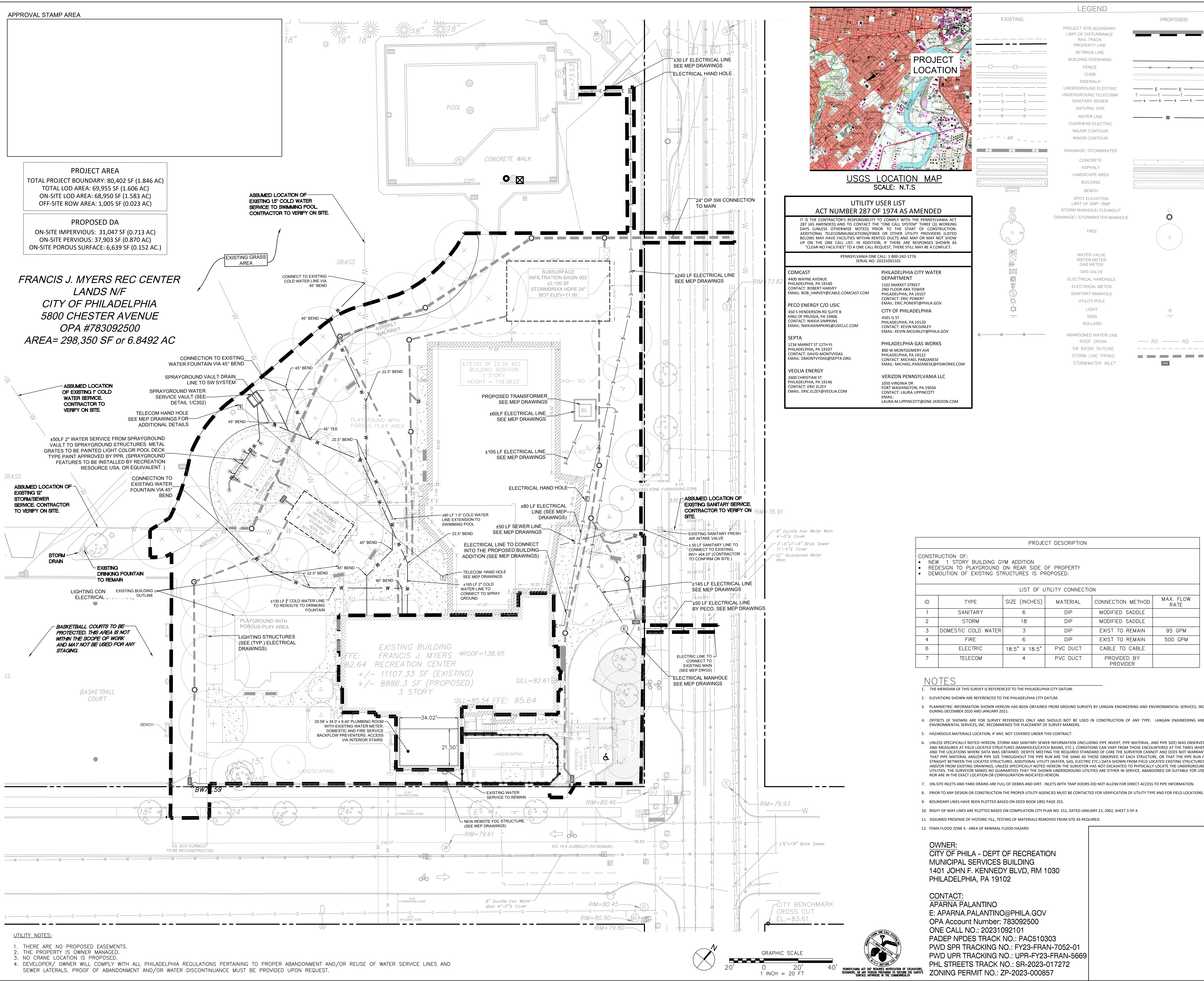
5800 Chester Ave.  
 Philadelphia, PA 19143

PROJECT #: 2022097-00  
 SCALE: 1" = 20'  
 FORMAT: 30" X 42"  
 DRAWN: JVL  
 CHECKED: JG  
 DATE: 04/07/2023

SHEET NAME:  
**UTILITY PLAN**

SHEET NUMBER:  
**C-400**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**

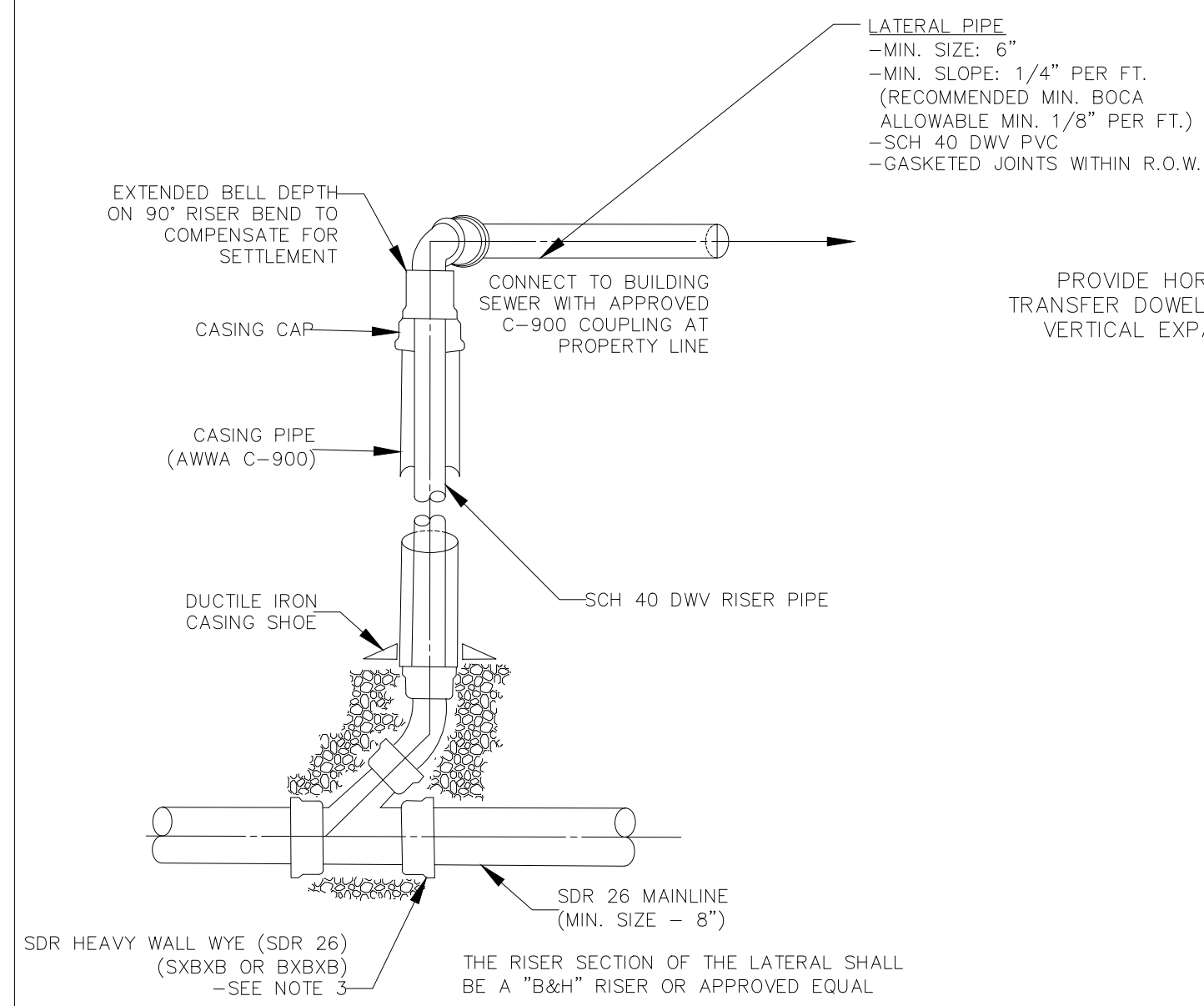
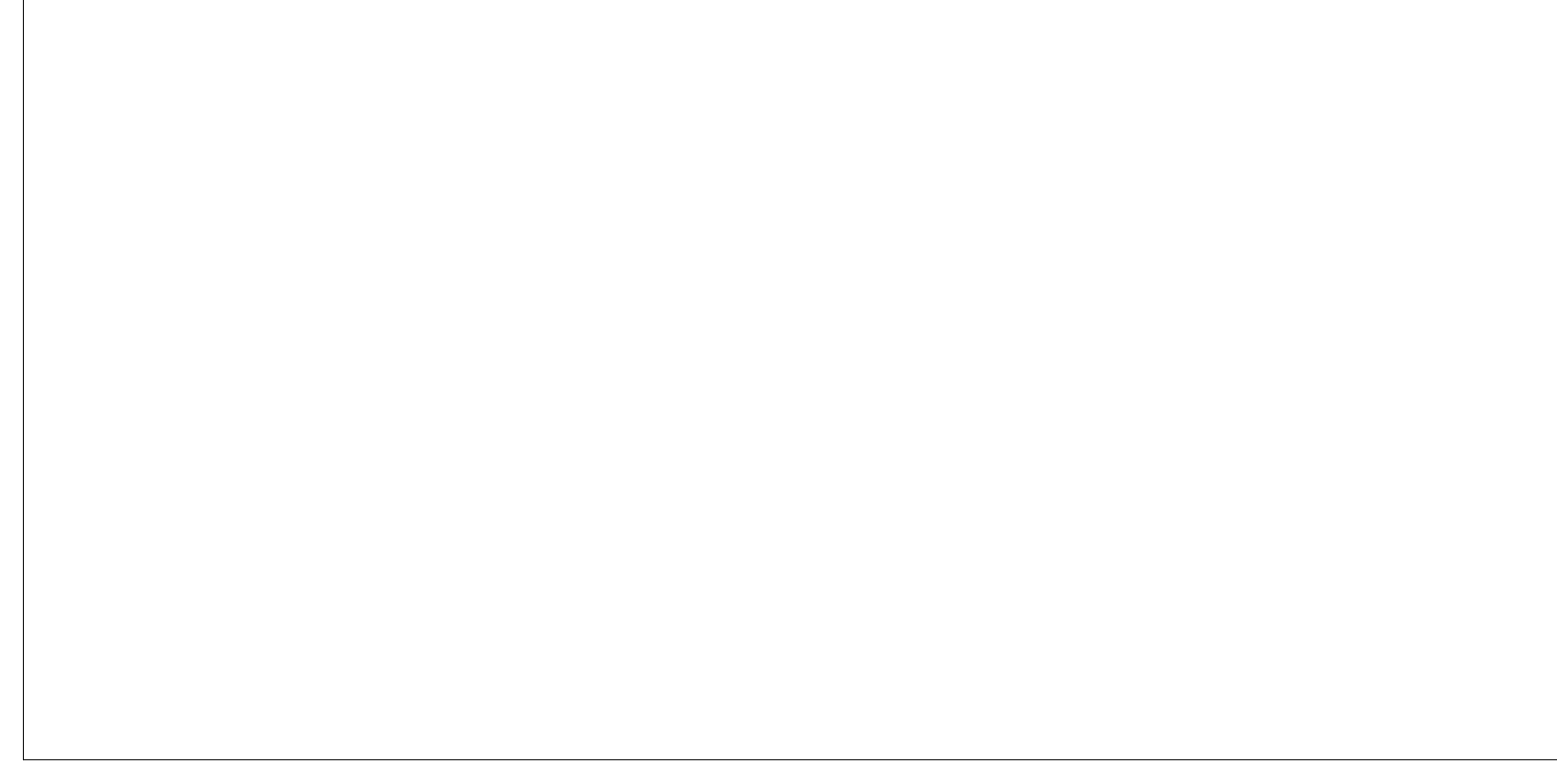




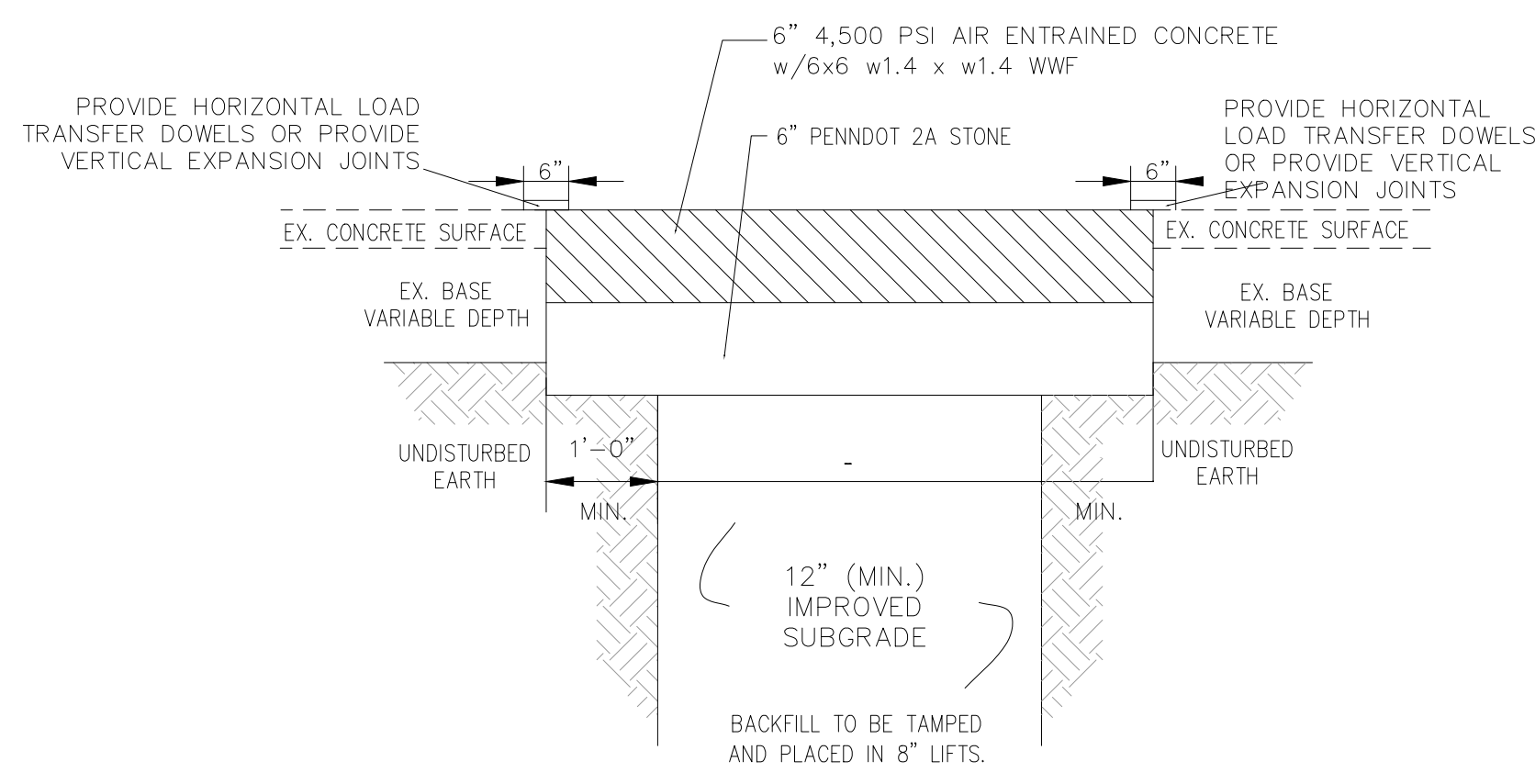




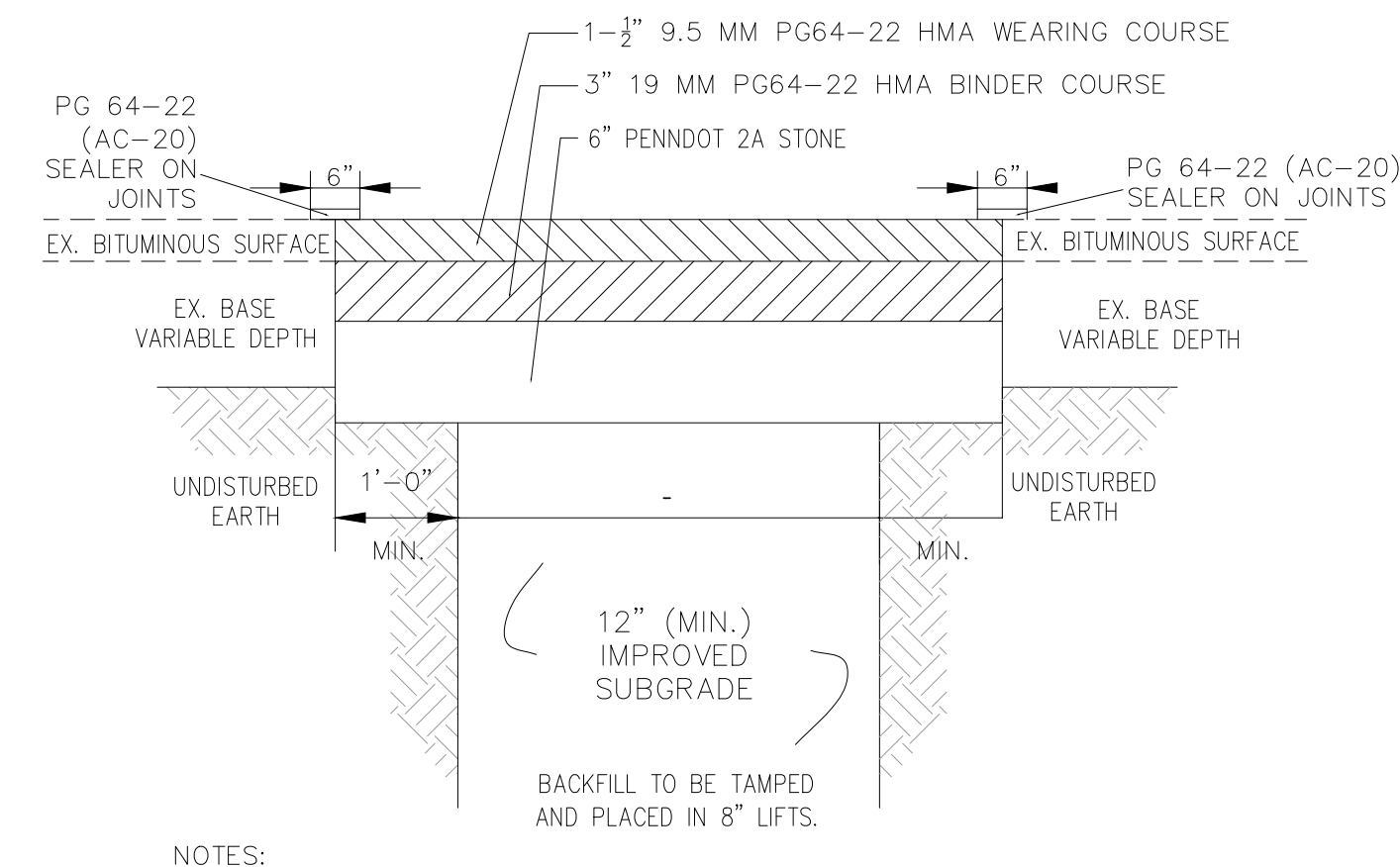
APPROVAL STAMP AREA



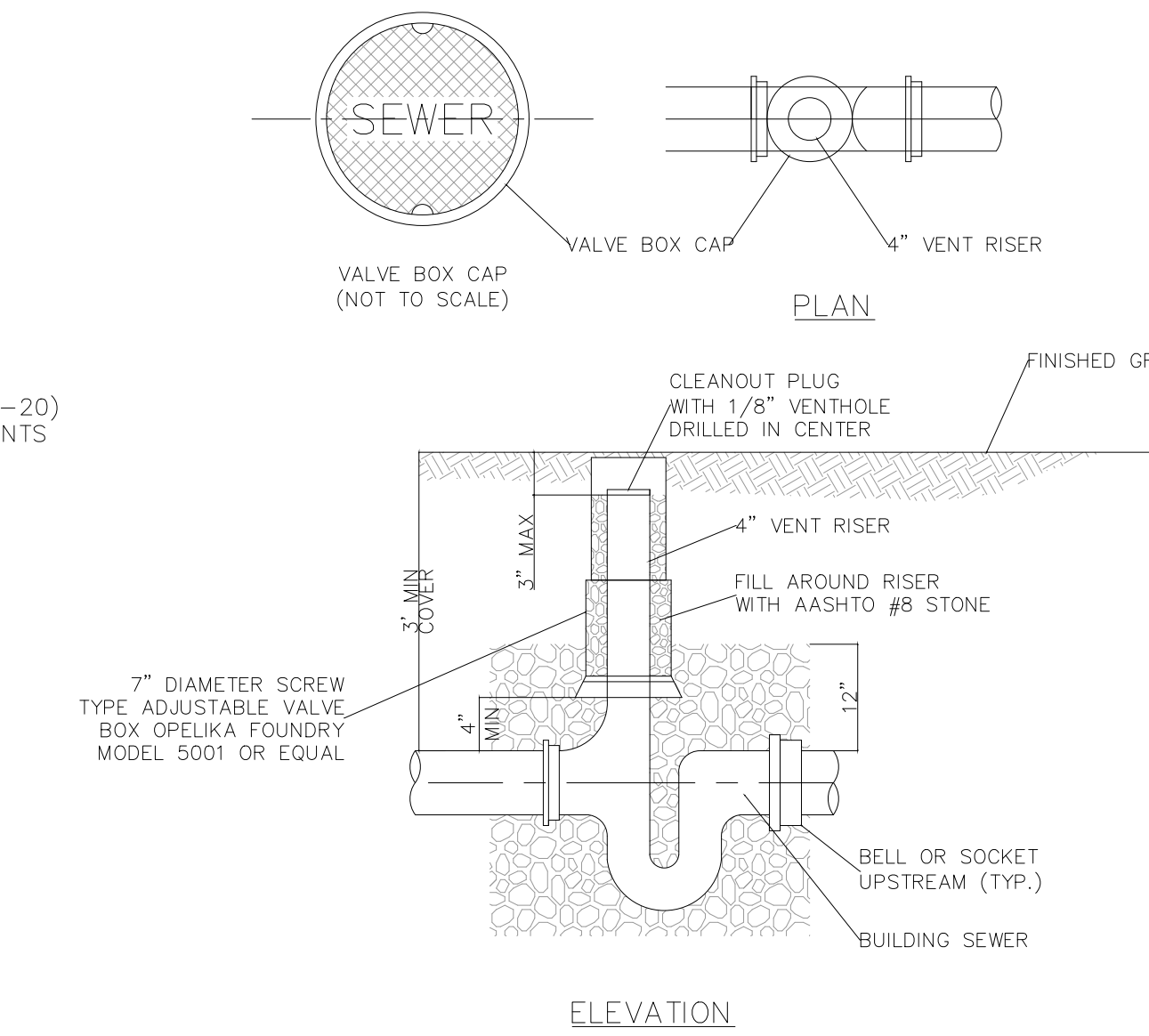
1 C452 DEEP CUT LATERAL NOT TO SCALE



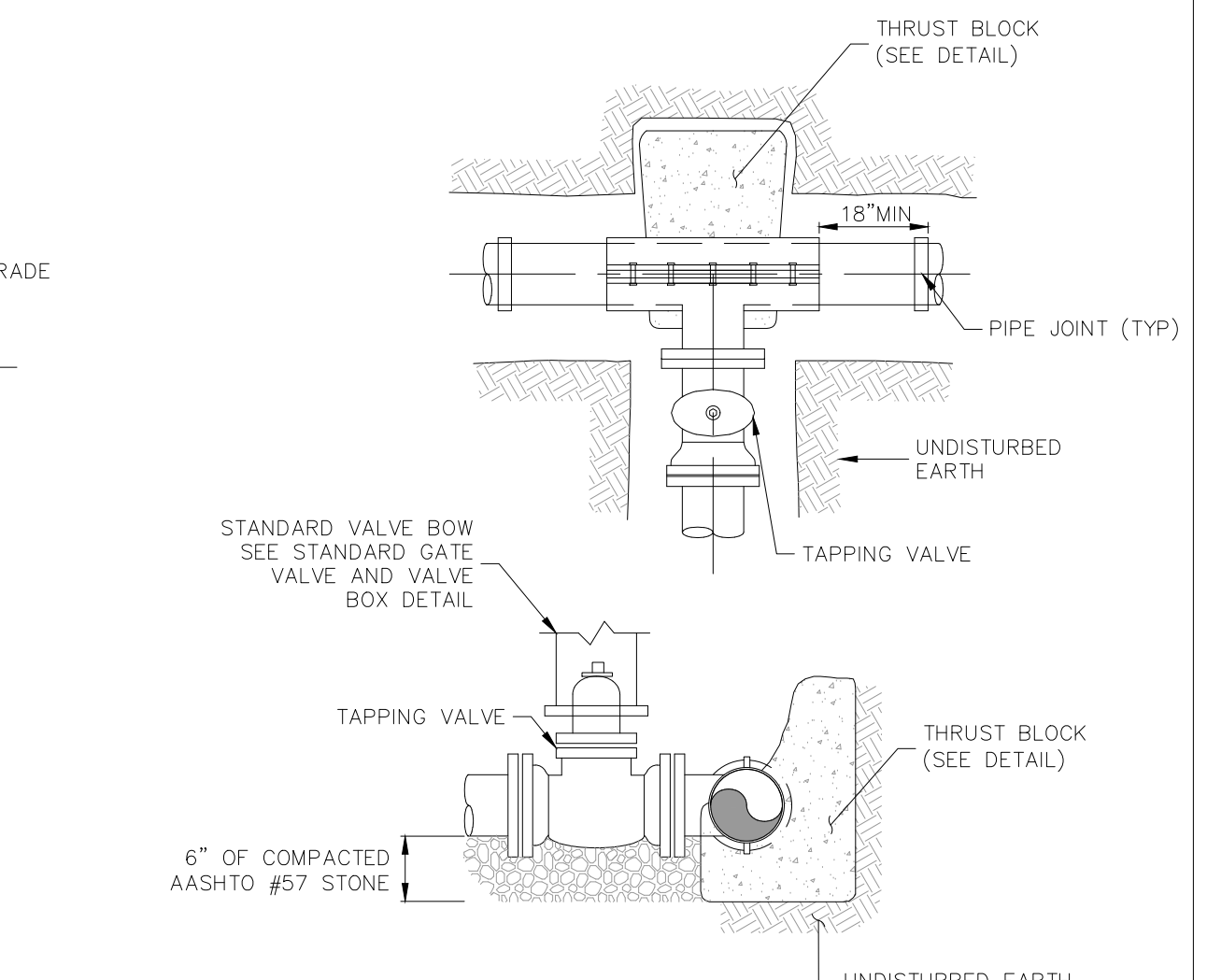
2 C452 RESTORATION OF RIGID (CONCRETE) PAVEMENT NOT TO SCALE



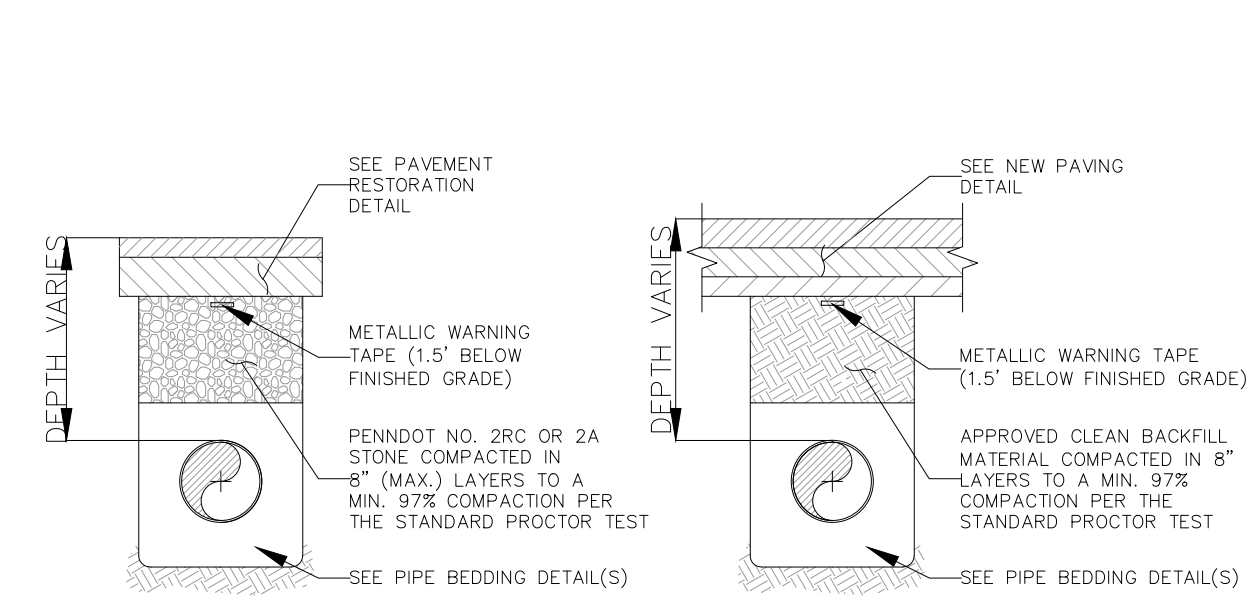
3 C452 RESTORATION OF ASPHALT PAVEMENT NOT TO SCALE



4 C452 SANITARY FRESH AIR INTAKE VENT PIPE IN PAVEMENT OR SIDEWALK NOT TO SCALE

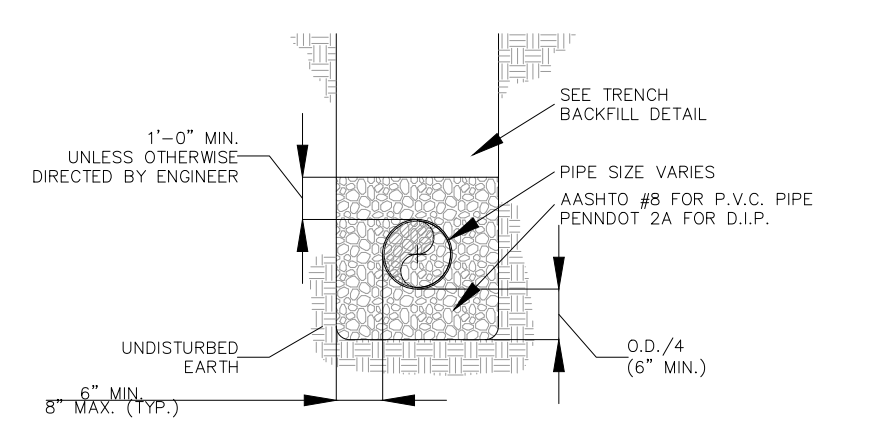


5 C452 TAPPING SLEEVE AND VALVE NOT TO SCALE

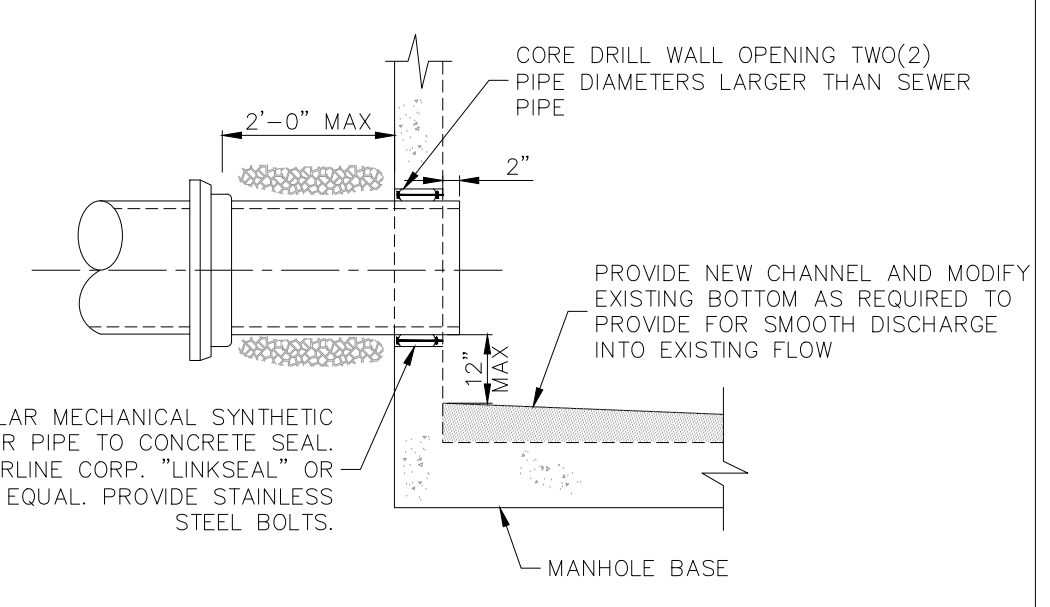


6 C452 BACKFILL - TRENCH NOT TO SCALE

- NOTES:
- TRENCH COMPACTION TO BE TESTED, AT THE DEVELOPER'S EXPENSE, IN ACCORDANCE WITH PENNDOT PUB 408, LATEST REVISION, AS REQUIRED BY THE MUNICIPALITY/AUTHORITY HAVING JURISDICTION.
  - CLEAN FILL MUST BE APPROVED BY THE MUNICIPALITY/AUTHORITY HAVING JURISDICTION PRIOR TO PLACEMENT IN THE TRENCH.
  - AREAS AROUND MANHOLES, INLETS, AND OTHER APPURTENANCES SHALL BE HAND COMPACTED AS DIRECTED BY THE MUNICIPALITY/AUTHORITY HAVING JURISDICTION.
  - NO SLAG MATERIAL PERMITTED.
  - IF WATER IS ENCOUNTERED IN THE EXCAVATION TRENCH, AASHTO #57 AGGREGATE MUST BE USED.
  - ALL MATERIALS AND CONSTRUCTION METHODS SHALL COMPLY WITH PENNDOT SPECIFICATIONS, PUBLICATION 408 AND 67 PA CODE SECTION 459.
  - UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO COLLECT IN EXCAVATED TRENCHES. ANY WATER IN THE TRENCHES SHALL BE REMOVED THROUGH A PUMPED WATER FILTER BAG.



7 C452 PIPE BEDDING (SANITARY MAIN AND LATERAL) NOT TO SCALE



8 C452 PIPE CONNECTION (EXISTING MANHOLE) NOT TO SCALE

# DIGSAU

CLIENT  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

MEP/FP ENGINEER  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.477.1812

LIGHTING DESIGN  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 610.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

LEED CONSULTANT  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.315.0557  
 www.databasedplus.com

PROFESSIONAL ENGINEER  
 EXP. 09-10-2023  
 SIGNATURE  
**JAMES C. GLEATON JR.**  
 ENGINEER  
 PENNSYLVANIA  
 04/14/2023  
 DATE

3	04/07/2023	100% CD ISSUE
2	3/29/2023	PWD PCSM RESUBMISSION 1
1	1/12/2023	PWD PCSM SUBMISSION
△	DATE:	DESCRIPTION:

## FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave.  
 Philadelphia, PA 19143

PROJECT #:	2020297-00
SCALE:	1" = 20'
FORMAT:	30" X 42"
DRAWN:	JYL
CHECKED:	JG
DATE:	04/07/2023

SHEET NAME:  
**UTILITY DETAILS**

SHEET NUMBER:  
**C-452**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



**CLIENT**  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
 23 S. Broad St.  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
 23 S. Broad St.  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

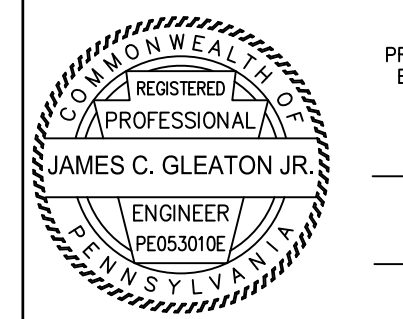
**MEP/FP ENGINEER**  
**OHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 215.217.6112

**LIGHTING DESIGN**  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

**COST ESTIMATING**  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 610.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
 601 Industrial Street  
 Wilmington, DE 19801  
 v 302.655.3600  
 www.brightfields.com

**LEED CONSULTANT**  
**DataBased+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.915.0597  
 www.databasedplus.com

**PROFESSIONAL ENGINEER**  
 EXPRES 09-30-2023  
  
 SIGNATURE  
 04/14/2023  
 DATE

NO.	DATE	DESCRIPTION
3	04/07/2023	100% CD ISSUE
2	3/29/2023	PWD PCSM RESUBMISSION 1
1	1/12/2023	PWD PCSM SUBMISSION

## FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

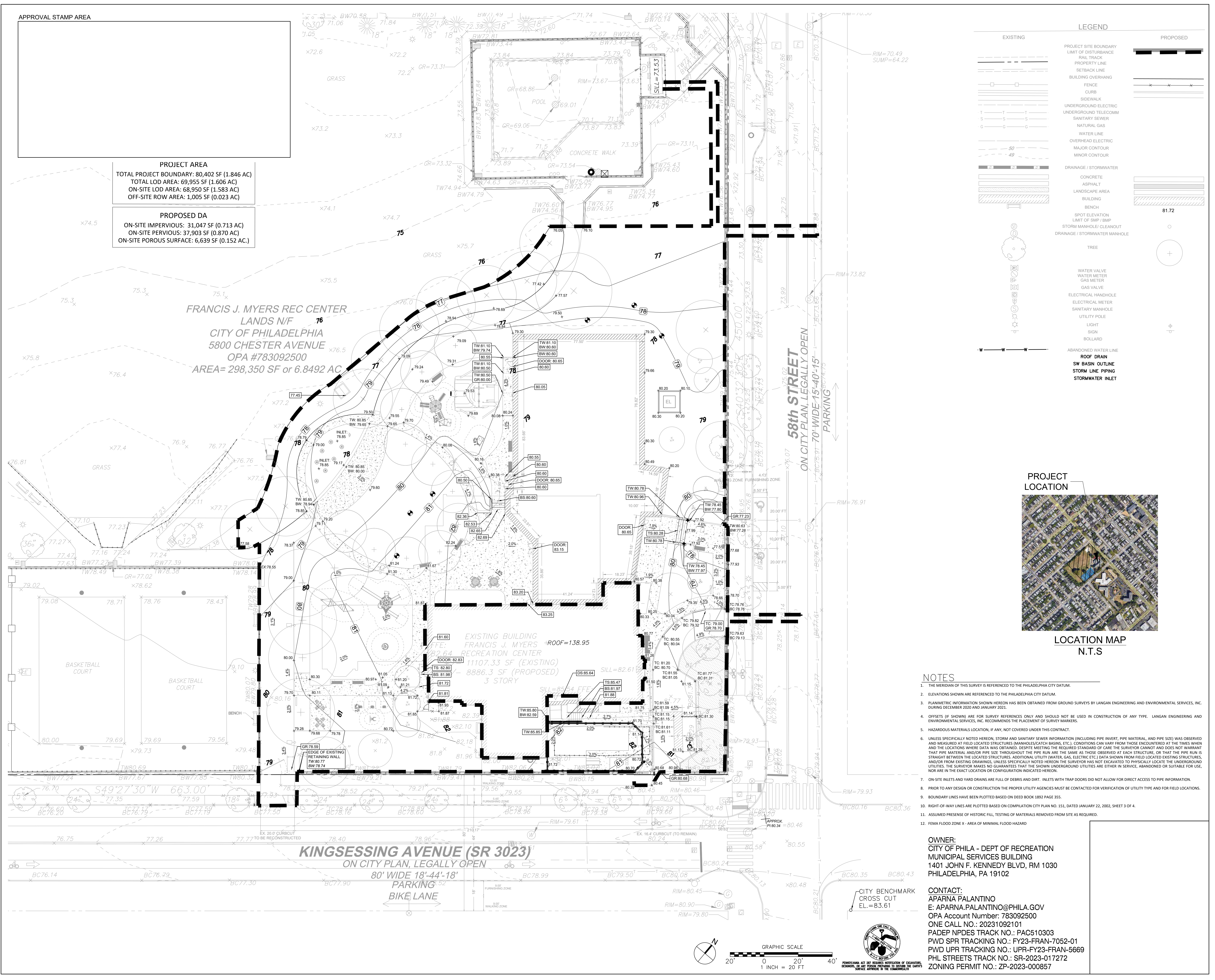
5800 Chester Ave.  
 Philadelphia, PA 19143

PROJECT #:	2020297-00
SCALE:	1" = 20'
FORMAT:	30" x 42"
DRAWN:	JYL
CHECKED:	JG
DATE:	04/07/2023

**SHEET NAME:**  
**GRADING PLAN**

**SHEET NUMBER:**  
**C-500**

**PROJECT PHASE:**  
**CONSTRUCTION DOCUMENTS**

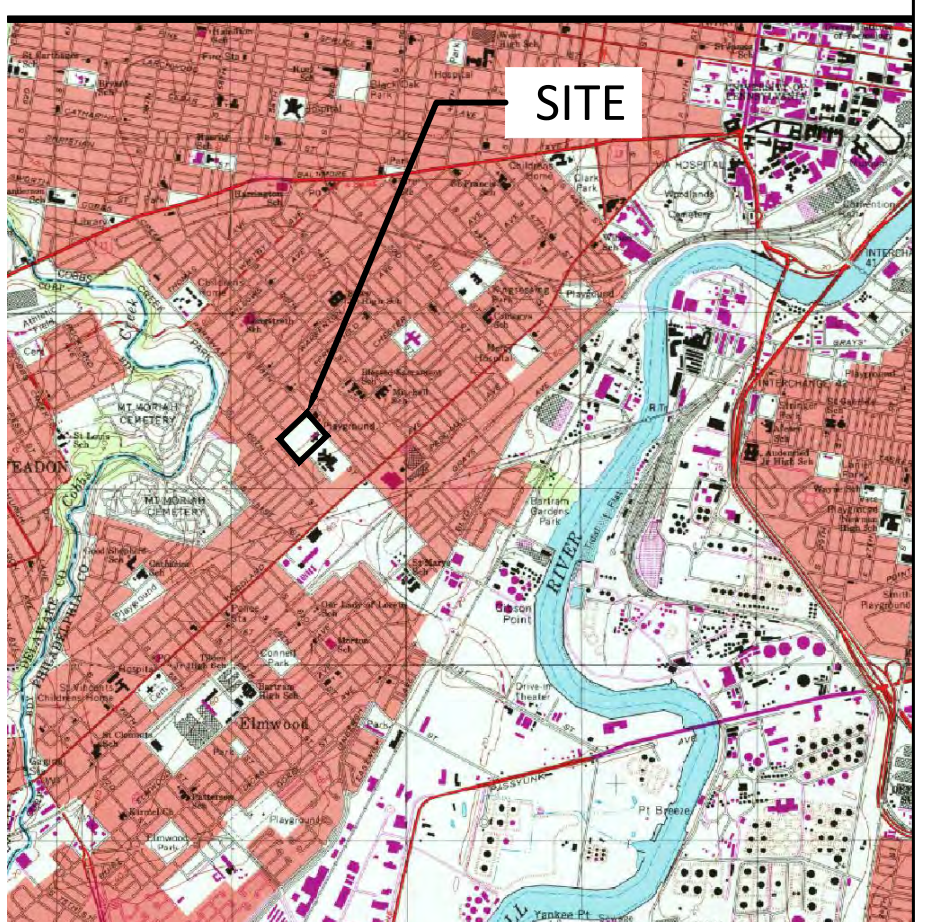
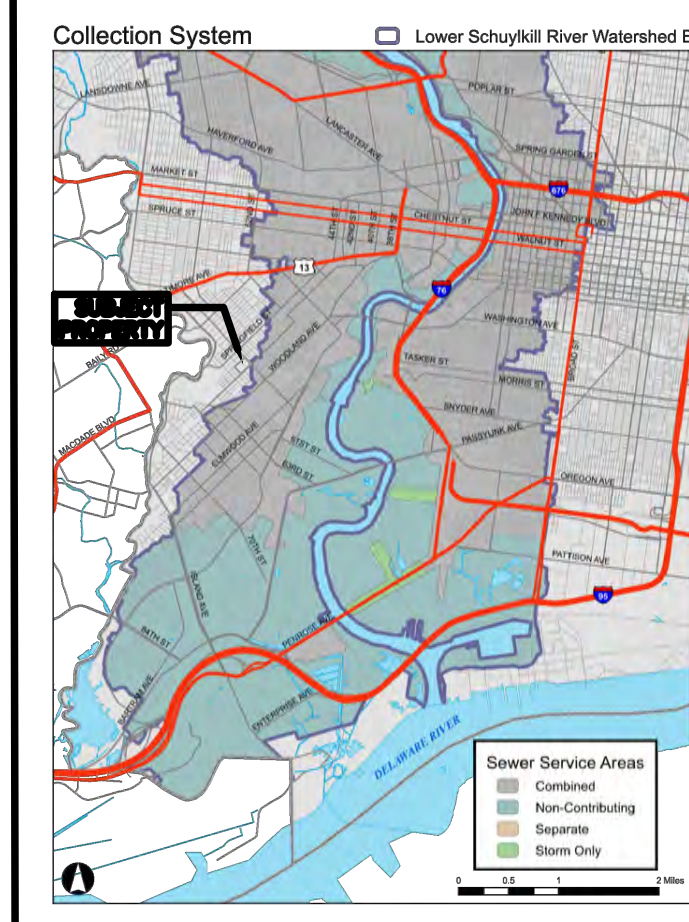
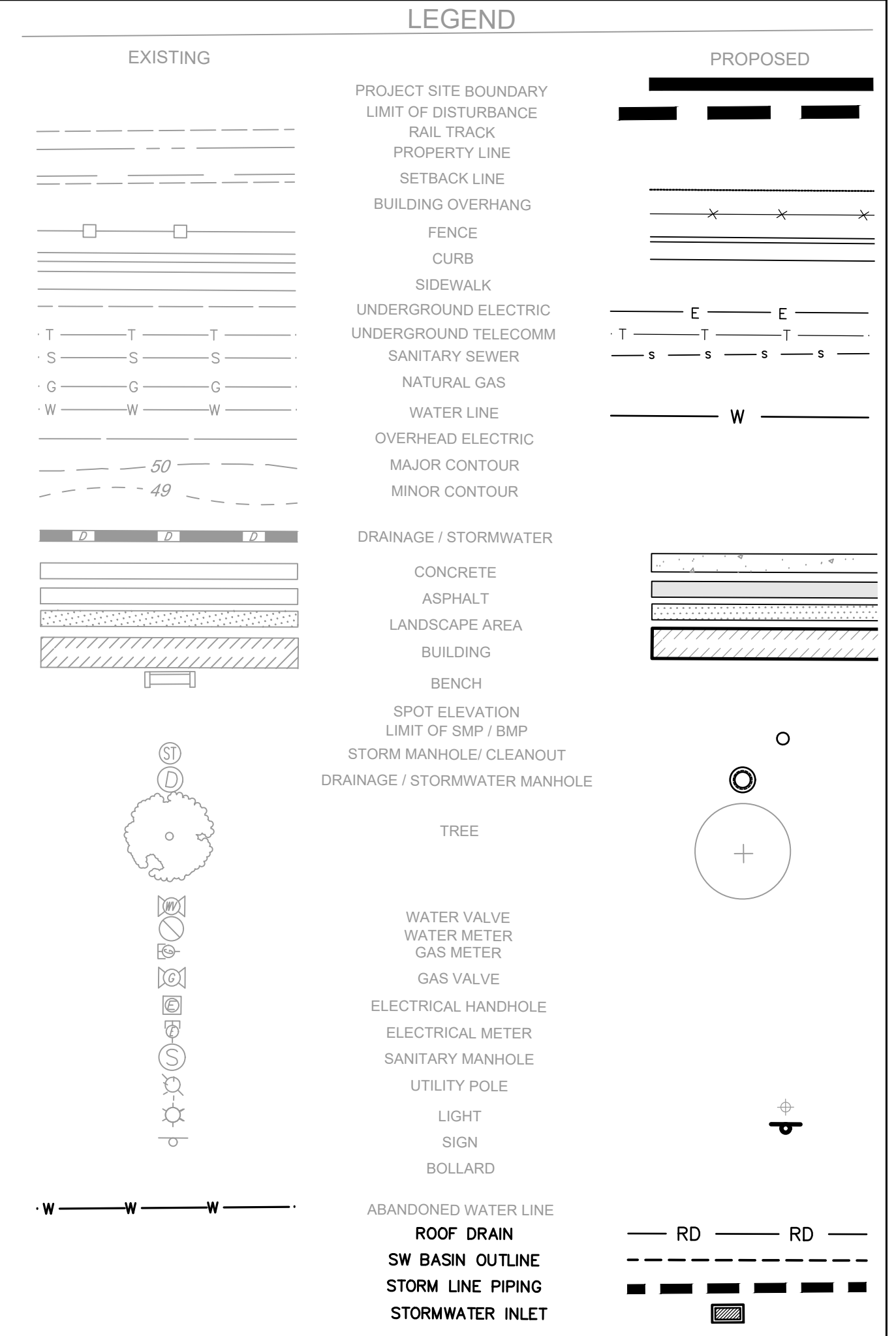
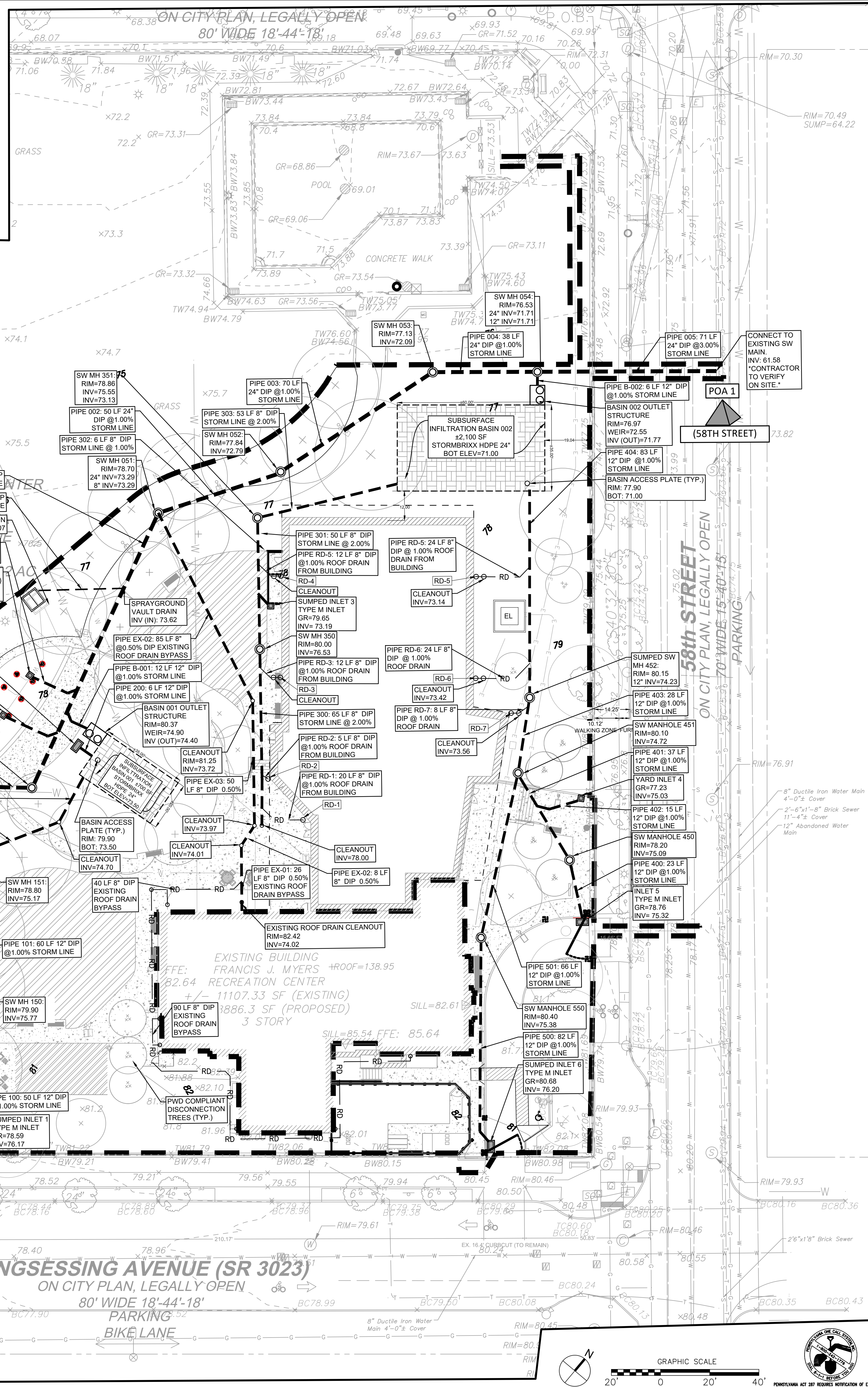




APPROVAL STAMP AREA

**PROJECT AREA**  
 TOTAL PROJECT BOUNDARY: 80,402 SF (1.846 AC)  
 TOTAL LOD AREA: 69,955 SF (1.606 AC)  
 ON-SITE LOD AREA: 68,950 SF (1.583 AC)  
 OFF-SITE ROW AREA: 1,005 SF (0.023 AC)

**PROPOSED DA**  
 ON-SITE IMPERVIOUS: 31,047 SF (0.713 AC)  
 ON-SITE PERVIOUS: 37,903 SF (0.870 AC)  
 ON-SITE POROUS SURFACE: 6,639 SF (0.152 AC.)



WATERSHED LOCATION MAP SCALE: N.T.S

USGS LOCATION MAP SCALE: N.T.S

NOTES

1. THE MERIDIAN OF THIS SURVEY IS REFERENCED TO THE PHILADELPHIA CITY DATUM.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE PHILADELPHIA CITY DATUM.
3. PLANIMETRIC INFORMATION SHOWN HEREON HAS BEEN OBTAINED FROM GROUND SURVEYS BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. DURING DECEMBER 2020 AND JANUARY 2021.
4. OFFSETS (IF SHOWN) ARE FOR SURVEY REFERENCES ONLY AND SHOULD NOT BE USED IN CONSTRUCTION OF ANY TYPE. LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. RECOMMENDS THE PLACEMENT OF SURVEY MARKERS.
5. HAZARDOUS MATERIALS LOCATION, IF ANY, NOT COVERED UNDER THIS CONTRACT.
6. UNLESS SPECIFICALLY NOTED HEREON, STORM AND SANITARY SEWER INFORMATION (INCLUDING PIPE INVERT, PIPE MATERIAL, AND PIPE SIZE) WAS OBSERVED AND MEASURED AT FIELD LOCATED STRUCTURES (MANHOLES, CATCH BASINS, ETC.). CONDITIONS CAN VARY FROM THOSE ENCOUNTERED AT THE TIMES WHEN AND THE LOCATIONS WHERE DATA WAS OBTAINED. DESPITE MEETING THE REQUIRED STANDARD OF CARE THE SURVEYOR CANNOT AND DOES NOT WARRANT THAT PIPE MATERIAL AND/OR PIPE SIZE THROUGHOUT THE PIPE RUN ARE THE SAME AS THOSE OBSERVED AT EACH STRUCTURE, OR THAT THE PIPE RUN IS STRAIGHT BETWEEN THE LOCATED STRUCTURES. ADDITIONAL UTILITY (WATER, GAS, ELECTRIC ETC.) DATA SHOWN FROM FIELD LOCATED EXISTING STRUCTURES, AND/OR FROM EXISTING DRAWINGS, UNLESS SPECIFICALLY NOTED HEREON THE SURVEYOR HAS NOT EXCAVATED TO PHYSICALLY LOCATE THE UNDERGROUND UTILITIES. THE SURVEYOR MAKES NO GUARANTEE THAT THE SHOWN UNDERGROUND UTILITIES ARE EITHER IN SERVICE, ABANDONED OR SUITABLE FOR USE, NOR ARE IN THE EXACT LOCATION OR CONFIGURATION INDICATED HEREON.
7. ON-SITE INLETS AND YARD DRAINS ARE FULL OF DEBRIS AND DIRT. INLETS WITH TRAP DOORS DID NOT ALLOW FOR DIRECT ACCESS TO PIPE INFORMATION.
8. PRIOR TO ANY DESIGN OR CONSTRUCTION THE PROPER UTILITY AGENCIES MUST BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS.
9. BOUNDARY LINES HAVE BEEN PLOTTED BASED ON DEED BOOK 1892 PAGE 355.
10. RIGHT-OF-WAY LINES ARE PLOTTED BASED ON COMPACTION CITY PLAN NO. 151, DATED JANUARY 22, 2002, SHEET 3 OF 4.
11. ASSUMED PRESENCE OF HISTORIC FILL. TESTING OF MATERIALS REMOVED FROM SITE AS REQUIRED.
12. FEMA FLOOD ZONE X - AREA OF MINIMAL FLOOD HAZARD

**OWNER:**  
 CITY OF PHILA - DEPT OF RECREATION  
 MUNICIPAL SERVICES BUILDING  
 1401 JOHN F. KENNEDY BLVD, RM 1030  
 PHILADELPHIA, PA 19102

**CONTACT:**  
 APARNA PALANTINO  
 E: APARNA.PALANTINO@PHILA.GOV  
 OPA Account Number: 783092500  
 ONE CALL NO.: 20231092101  
 PADEP NPDES TRACK NO.: PAC510303  
 PWD SPR TRACKING NO.: FY23-FRAN-7052-01  
 PWD UPR TRACKING NO.: UPR-FY23-FRAN-5669  
 PHL STREETS TRACK NO.: SR-2023-017272  
 ZONING PERMIT NO.: ZP-2023-000857

# DIGSAU

**CLIENT**  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

**MEP/PE ENGINEER**  
**dbms**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 297.217.1812

**LIGHTING DESIGN**  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

**COST ESTIMATING**  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 610.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

**LEED CONSULTANT**  
**DataBase\***  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.315.0557  
 www.databaselp.com

PROFESSIONAL ENGINEER  
 EXPIRES 09-30-2023

PROFESSIONAL LANDSCAPE ARCHITECT  
 EXPIRES 09-30-2023

JAMES C. GLEATON JR.  
 ENGINEER  
 PENNSYLVANIA

SIGNATURE  
 04/14/2023  
 DATE

NO.	DATE	DESCRIPTION
3	04/07/2023	100% CD ISSUE
2	3/29/2023	PWD PCSM RESUBMISSION 1
1	1/12/2023	PWD PCSM SUBMISSION

## FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave. Philadelphia, PA 19143

PROJECT #:	2022097-00
SCALE:	1" = 20'
FORMAT:	30" X 42"
DRAWN:	JYL
CHECKED:	JG
DATE:	04/07/2023

## POST CONSTRUCTION STORMWATER MANAGEMENT PLAN

SHEET NUMBER: **C-600**

PROJECT PHASE: **CONSTRUCTION DOCUMENTS**



APPROVAL STAMP AREA

**CONSTRUCTION SCHEDULE AND PROCEDURE FOR IMPLEMENTATION OF SOIL EROSION AND SEDIMENT CONTROL MEASURES:**

- AT LEAST SEVEN (7) DAYS PRIOR TO ANY EARTH DISTURBANCE, THE INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) MUST BE CALLED TO SCHEDULE A PRECONSTRUCTION MEETING.
- AT LEAST THREE (3) DAYS PRIOR TO (UNDERGROUND INFILTRATION SYSTEM) INSTALLATION, THE INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) MUST BE CALLED TO SCHEDULE AN INSPECTION (FOR EACH SMP).
- ALL STONE THAT MAKES UP THE (UNDERGROUND DETENTION SYSTEM) MUST REMAIN FREE OF SEDIMENT. IF SEDIMENT ENTERS THE STONE, THE CONTRACTOR MAY BE REQUIRED TO REMOVE THE SEDIMENT AND REPLACE IT WITH CLEAN-WASHED STONE.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) FOR A FINAL INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPs.
- AS SOON AS SLOPES, CHANNELS, DITCHES, AND OTHER DISTURBED AREAS REACH FINAL GRADE, THEY MUST BE STABILIZED. CESSATION OF ACTIVITY FOR FOUR (4) DAYS OR LONGER REQUIRES TEMPORARY STABILIZATION.
- THE NPDES NOTICE OF TERMINATION (N.O.T.) MUST BE SUBMITTED TO PA DEP UPON COMPLETION OF CONSTRUCTION (WHEN APPLICABLE).
- WATER PUMPED FROM WORK AREAS SHOULD BE TREATED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGING TO A PWD INFRASTRUCTURE
- (1) CONTAMINATED SOIL SHALL BE DISPOSED OF AT EITHER A) AN APPROVED DISPOSAL FACILITY WITH AN APPROVED AND CURRENT PADEP SOIL WASTE MANAGEMENT PERMIT, OR B) AN
- APPROVED LANDFILL (TYPICALLY DISPOSAL AT A LANDFILL DOES NOT REQUIRE A WASTE PERMIT), AND (2) \*WASTE MATERIALS, SCRAP OR EXCESS CONSTRUCTION MATERIALS SHALL BE COLLECTED, STORED AND DISPOSED OF IN ACCORDANCE WITH THE SOLID WASTE MANAGEMENT ACT (35 P. S. § 6018.101–6018.1003), THE MUNICIPAL WASTE PLANNING, RECYCLING AND WASTE REDUCTION ACT (53 P. S. § 4000.101–4000.1904), THE CLEAN STREAMS LAW (35 P. S. § 691.1–691.1001) AND RELATED RULES AND REGULATIONS. (TITLE 25, CHAPTER 105, SECTION 46A)
- TO AVOID SOIL DISTURBANCE AND COMPACTION DURING CONSTRUCTION, AREAS FOR PROPOSED INFILTRATION STORMWATER MANAGEMENT PRACTICES (SMPs) MUST BE PHYSICALLY STAKED BEFORE ANY SITE WORK BEGINS. IF THESE AREAS ARE COMPACTED DURING CONSTRUCTION, ADDITIONAL INFILTRATION TESTING WILL BE REQUIRED. THE INFILTRATION TESTING PROCEDURE MUST BE IN COMPLIANCE WITH THE CURRENT PHILADELPHIA STORMWATER MANAGEMENT GUIDANCE MANUAL. A MINIMUM OF TWO INFILTRATION TESTS MUST BE PERFORMED AT THE BOTTOM ELEVATION OF EACH SMP. THE ENGINEER MUST PROVIDE A SIGNED AND SEALED INFILTRATION TESTING REPORT, INCLUDING A TESTING LOCATION PLAN AND SUMMARY OF RESULTS. ALL INFORMATION MUST BE SUBMITTED TO PWD FOR REVIEW AND APPROVAL BEFORE PROCEEDING WITH CONSTRUCTION. IF INFILTRATION TESTING FAILS TO MEET PWD MINIMUM STANDARDS OR IF UNSUITABLE CONDITIONS FOR INFILTRATION ARE ENCOUNTERED, A SYSTEM REDESIGN WILL BE REQUIRED.
- INSTALL CONSTRUCTION ENTRANCE RUMBLE PAD, SILT FENCE, COMPOST FILTER SOCK, AND BARRICADES.
- DEMOLISH EXISTING STRUCTURES ON SITE AND REMOVE EXISTING PAVEMENT.
- CLEAR AND ESTABLISH ROUGH GRADES AS NECESSARY TO ESTABLISH SITE DRAINAGE PATTERNS, INSTALL COMPOST FILTER SOCK AT NEWLY CONSTRUCTED ENTRANCES (AS NECESSARY).
- CONSTRUCT STORMWATER SYSTEM FROM DOWNSTREAM TO UPSTREAM (EXCLUDING ROOF DRAINS), INSTALLING FILTER BAGS IN ALL SURROUNDING EXISTING INLETS.
  - INSTALL OUTLET PIPE, & OUTLET STRUCTURE. INSPECT FOR IRREGULARITIES AND CONFIRM WITH E.O.R. THAT CONSTRUCTED ELEMENT ARE ACCEPTABLE.
 

\* THESE STEPS ARE CRITICAL BMP STAGES\*  
 LICENSED PROFESSIONAL TO OVERSEE  
 INSTALLATION OF THESE STEPS

SUBSURFACE INFILTRATION BASIN-1 & INFILTRATION BASIN 2	
a.	AREAS FOR PROPOSED SUBSURFACE INFILTRATION SMPs MUST BE PHYSICALLY MARKED AS HEAVY EQUIPMENT EXCLUSION ZONES PRIOR TO ANY LAND-DISTURBING ACTIVITIES TO AVOID SOIL DISTURBANCE AND COMPACTION DURING CONSTRUCTION. INSTALL CONSTRUCTION FENCING AROUND SUBSURFACE INFILTRATION AREAS.
b.	PROVIDE EROSION AND SEDIMENTATION CONTROL PROTECTION ON THE SITE SUCH THAT CONSTRUCTION RUNOFF IS DIRECTED AWAY FROM THE PROPOSED SUBSURFACE INFILTRATION SMP.
c.	INFILTRATION AREAS MAY NOT BE USED AS SEDIMENT TRAPS DURING CONSTRUCTION. UNLESS AT LEAST THREE FEET OF SOIL ARE LEFT IN PLACE WHILE THE AREA IS SERVING AS A SEDIMENT TRAP AND SUBSEQUENTLY REMOVED DURING CONSTRUCTION AFTER THE CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED.
d.	COMPLETE SITE ELEVATION GRADING AND STABILIZE ALL DISTURBED SOIL. STABILIZATION OF DISTURBED AREAS MUST BE IMPLEMENTED BEFORE FINALIZING THE SUBSURFACE INFILTRATION SMPs EXCAVATION AND CONSTRUCTION.
e.	EXCAVATE TWO FEET BELOW THE PROPOSED INFILTRATION BED INVERT ELEVATION.
f.	MANUALLY GRADE AND SCARIFY THE EXISTING SOIL SURFACE. THE BOTTOM OF THE INFILTRATION BED SHALL BE AT A LEVEL GRADE. THE EXISTING SUBGRADE SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION EQUIPMENT.
g.	PLACE POLYPROPYLENE GEOTEXTILE FILTER FABRIC IMMEDIATELY AFTER APPROVAL OF SUBGRADE PREPARATION IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS.
h.	AMEND IN-SITU SOIL IN ACCORDANCE WITH THE SMP DETAILS WITHIN THE PCSM PLANS. THE PROJECT GEOTECHNICAL ENGINEER SHOULD BE ON-SITE TO OBSERVE INSTALLATION OF SOIL AMENDMENTS.
i.	PLACE TWO FEET OF AMENDED SOIL ACROSS THE ENTIRE CROSS-SECTION OF THE INFILTRATION BED. LIGHTLY COMPACT EACH LAYER WITH LIGHT EQUIPMENT, KEEPING EQUIPMENT MOVEMENT OVER STORAGE BED SUBGRADES TO A MINIMUM.
j.	PERFORM INFILTRATION TESTING OF THE AMENDED SOIL LAYER. A MINIMUM OF THREE INFILTRATION TESTS MUST BE PERFORMED WITHIN THE AMENDED SOIL LAYER. THE PROCEDURE USED MUST BE THE DOUBLE-RING INFILTRATION TEST. SOIL SAMPLING AND CHARACTERIZATION ARE ALSO REQUIRED, AND ALL MUST BE IN COMPLIANCE WITH THE CURRENT PHILADELPHIA STORMWATER MANAGEMENT GUIDANCE MANUAL. PRIOR TO INFILTRATION TESTING, PWD MUST BE CALLED (OFFICE: 215-685-6387) TO SCHEDULE AN OBSERVATION. THE ENGINEER MUST PROVIDE A SIGNED AND SEALED GEOTECHNICAL REPORT. ALL INFORMATION MUST BE SUBMITTED TO PWD FOR REVIEW AND APPROVAL BEFORE PROCEEDING WITH CONSTRUCTION. IF SOIL AMENDMENTS ARE INSTALLED, AND THE TESTED INFILTRATION RATE IS DETERMINED TO BE OUTSIDE OF THE PWD ALLOWABLE RANGE OF 0.4 TO TEN INCHES PER HOUR OR VARIES SIGNIFICANTLY FROM THE DESIGN INFILTRATION RATE, ADDITIONAL SOIL AMENDMENTS AND/OR A SYSTEM REDESIGN WILL BE REQUIRED. ONCE THE INFILTRATION TEST RESULTS ARE REVIEWED AND DETERMINED BY PWD TO BE ACCEPTABLE, PROCEED WITH INSTALLATION OF THE INFILTRATION PRACTICE.
k.	SOIL AMENDMENTS SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION PRIOR TO THE PLACEMENT OF POLYPROPYLENE GEOTEXTILE AND STONE BED.
l.	PLACE POLYPROPYLENE GEOTEXTILE AND INFILTRATION BED AGGREGATE IMMEDIATELY AFTER APPROVAL OF SOIL AMENDMENT PREPARATION TO PREVENT ACCUMULATION OF DEBRIS AND SEDIMENT. PREVENT RUNOFF AND SEDIMENT FROM ENTERING THE STORAGE BED DURING THE PLACEMENT OF THE GEOTEXTILE AND AGGREGATE BED.
m.	PLACE POLYPROPYLENE GEOTEXTILE IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS. ADJACENT STRIPS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF 16 INCHES. FABRIC SHALL BE SECURED AT LEAST FOUR FEET OUTSIDE OF BED.
n.	INSTALL AGGREGATE COURSE IN LIFTS OF SIX TO EIGHT INCHES. LIGHTLY COMPACT EACH LAYER WITH LIGHT EQUIPMENT, KEEPING EQUIPMENT MOVEMENT OVER STORAGE BED SUBGRADES TO A MINIMUM.
o.	INSTALL HDPE PIPES, MANIFORDS, AND GRAVEL. INSPECT FOR IRREGULARITIES AND CONFIRM FINAL POLYPROPYLENE GEOTEXTILE FABRIC AND BACKFILL. STORAGE STRUCTURES (E.G., PIPES, ARCHES, CRATES, ETC.) DURING STONE BED PLACEMENT. INSTALL AGGREGATE TO GRADES INDICATED ON THE DRAWINGS.
p.	COMPLETE SURFACE GRADING ABOVE SUBSURFACE INFILTRATION SYSTEM, USING SUITABLE EQUIPMENT TO AVOID EXCESS COMPACTION.

NOTE 1: PROPOSED POLYPROPYLENE GEOTEXTILE BEING USED FOR SMP BASINS MEETS THE FOLLOWING REQUIREMENTS (AASHTO CLASS 1 OR II):  
 A. GRAB TENSILE STRENGTH (ASTM-D4632): ≥ 120 LBS  
 B. MULLEN BURST STRENGTH (ASTM-D3786): ≥ 225 PSI  
 C. FLOW RATE (ASTM-D4911): ≥ 95 GAL/MIN/FT<sup>2</sup>  
 D. UV RESISTANCE AFTER 500 HRS (ASTM-D4355): ≥ 70%  
 E. HEAT-SET OR HEAT CALENDARED FABRICS ARE NOT PERMITTED

OPERATION & MAINTENANCE

- MAINTAINING A CLEAN AND OBSTRUCTION-FREE SYSTEM IS ESSENTIAL TO ENSURING THE SYSTEM PERFORMS AS DESIGNED. BUILDUP OF DEBRIS CAN LIMIT THE CAPACITY, REDUCE EFFECTIVENESS, OR COMPLETE FAILURE OF THE SYSTEM.
- INITIAL SYSTEM INSPECTION  
 AN INITIAL INSPECTION SHOULD BE PERFORMED BEFORE THE SYSTEM IS PUT INTO OPERATION. THE INSPECTION SHOULD BE RECORDED AND AN INSPECTION AND MAINTENANCE LOG BOOK CREATED AT THIS TIME. THE MAINTENANCE AND INSPECTION LOG SHEET SHOULD BE A LAYOUT OF THE SYSTEM WITH THE INVERT ELEVATIONS AT ALL THE RISER AND CLEANOUT LOCATIONS, PRIOR TO SEDIMENT ACCUMULATION. INITIAL MEASUREMENTS CAN BE TAKEN WITH A LARGE STICK OR PIECE OF STRING WITH A FLAT WEIGHT ON THE END. THESE MEASUREMENTS WILL ALLOW FOR INSPECTION MEASUREMENTS TO BEING TAKEN FROM OUTSIDE OF THE SYSTEM, ELIMINATING THE NEED FOR MANNED ENTRANCE.
- INSPECTION FREQUENCY  
 INSPECTION FREQUENCY WILL VARY BASED ON THE SYSTEM DESIGN AND REQUIREMENTS. A SYSTEM INSPECTION SCHEDULE SHOULD BE DEVELOPED FOR EACH INDIVIDUAL SYSTEM, WITH THE INDUSTRY STANDARD BEING A MINIMUM OF ONCE PER YEAR. AFTER THE INSPECTION SCHEDULE IS ESTABLISHED FOR THE SYSTEM, IT SHOULD BE TRACKED ON THE INSPECTION AND MAINTENANCE LOG SHEET.
- DURING THE FIRST YEAR OF OPERATION, MORE FREQUENT INSPECTIONS SHOULD BE DONE, DUE TO CONSTRUCTION ACTIVITIES. CONSTRUCTION SEDIMENT AND DEBRIS LOADING CAN BE MINIMIZED IF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PLAN FOR THE CONSTRUCTION SITE IS FOLLOWED. AFTER THE FIRST YEAR OF OPERATION THE RATE AT WHICH THE RETENTION OR SYSTEM COLLECTS SOIL/POLLUTANTS WILL BE HEAVILY DEPENDENT ON THE SITE ACTIVITIES. DURING WINTER MONTHS, IN GEOGRAPHICAL AREAS WHERE SAND IS APPLIED TO ROAD SURFACE, SYSTEMS MAY SEE INCREASED SEDIMENT LOADING. OTHER INCREASED LOADING AREAS ARE PRESENT WITH VEHICLE OR EQUIPMENT WASH-DOWN AREAS.
- DURING INSPECTIONS, ELEVATIONS OF SEDIMENT HEIGHT SHOULD BE TAKEN FROM EACH RISER AND CLEANOUT. THESE ELEVATIONS SHOULD BE RECORDED ON THE INSPECTION AND MAINTENANCE LOG SHEET. ALSO DURING THE INSPECTION, PERSONNEL SHOULD BE LOOKING FOR BLOCKAGES TO INLET OR OUTLET STUBS. INSPECTION OF THE PRE-TREATMENT UNIT UPSTREAM OF THE SYSTEM SHOULD ALWAYS BE INSPECTED AT THIS SAME TIME. REFER TO THE MANUFACTURER'S RECOMMENDATIONS FOR INSPECTING AND MAINTAINING THE PRE-TREATMENT UNIT.

SITE HOUSEKEEPING AND MATERIALS MANAGEMENT

WASTE MANAGEMENT - BUILDING MATERIALS AND OTHER CONSTRUCTION SITES MUST BE PROPERLY MANAGE DISPOSED OF TO REDUCE POTENTIAL FOR POLLUTION TO SURFACE AND GROUND WATERS PER 25 PA CODE 102.4(B)(5)(X). PROPER TRASH DISPOSAL, RECYCLING OF MATERIALS, PROPER MATERIALS HANDLING, AND SPILLED PREVENTION AND CLEAN-UP REDUCE THE POTENTIAL FOR CONSTRUCTION WASTES TO BE MOBILIZED BY STORMWATER RUNOFF AND CONVEYED TO SURFACE WATERS.

UNDER NO CIRCUMSTANCE MAY EROSION CONTROL BMPs BE USED FOR TEMPORARY STORAGE OF DEMOLITION MATERIALS OR CONSTRUCTION WASTES.

ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS MUST BE FOLLOWED IN THE USE, HANDLING, AND DISPOSAL OF POTENTIAL HAZARDOUS MATERIALS

SUBSURFACE INFILTRATION MAINTENANCE GUIDELINES	
EARLY MAINTENANCE ACTIVITY	FREQUENCY
INSPECT EROSION CONTROL AND FLOW SPREADING DEVICES UNTIL SOIL SETTLEMENT AND VEGETATIVE ESTABLISHMENT OF CONTRIBUTING AREAS HAS OCCURRED.	BI-WEEKLY
INSPECT INLET CONTROLS, OUTLET STRUCTURES, AND STORAGE AREAS FOR TRASH AND SEDIMENT ACCUMULATION.	MONTHLY FOR THE FIRST YEAR AFTER INSTALLATION TO DETERMINE ONGOING MAINTENANCE FREQUENCY.
ONGOING MAINTENANCE ACTIVITY	FREQUENCY
REGULARLY CLEAN OUT GUTTERS AND CATCH BASINS TO REDUCE SEDIMENT LOAD TO INFILTRATION SMP. CLEAN INTERMEDIATE SUMP BOXES, REPLACE FILTERS, AND OTHERWISE CLEAN PRETREATMENT AREAS IN DIRECTLY CONNECTED SYSTEMS.	AS NEEDED
REMOVE SEDIMENT AND DEBRIS FROM SUBSURFACE INFILTRATION SMP SEDIMENTATION CHAMBER, AS APPLICABLE, WHEN THE SEDIMENT ZONE IS 3/4 FULL.	AS NEEDED
REMOVE SEDIMENT AND DEBRIS FROM PIPE/VAULT SYSTEMS. SEDIMENT DEPTH IS NOT TO REACH A MAXIMUM DEPTH OF FOUR INCHES BELOW THE SMP'S OUTLET INVERT ELEVATION. REMOVAL OF SEDIMENT FROM GRID SYSTEMS MUST BE PER MANUFACTURER'S RECOMMENDATIONS OR AS PER THE SITE-SPECIFIC MAINTENANCE PLAN.	AS NEEDED
INSPECT SUBSURFACE INFILTRATION FACILITY AND CONTROL STRUCTURES.	QUARTERLY
REMOVE FLOATING DEBRIS AND ACCUMULATED PETROLEUM PRODUCTS.	QUARTERLY
EVALUATE THE DRAIN DOWN TIME OF THE SMP AFTER A STORM OF AT LEAST ONE INCH TO ENSURE A SMP DRAIN DOWN TIME OF LESS THAN 72 HOURS.	ONGOING
MAINTAIN RECORDS OF ALL INSPECTIONS AND MAINTENANCE ACTIVITY.	ONGOING

**SOIL AMENDMENT: SEQUENCE OF CONSTRUCTION**

- EXCAVATE TWO FEET BELOW THE PROPOSED INFILTRATION BED INVERT ELEVATION.
- MANUALLY GRADE AND SCARIFY THE EXISTING SOIL SURFACE. THE BOTTOM OF THE INFILTRATION BED SHALL BE AT A LEVEL GRADE. THE EXISTING SUBGRADE SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION EQUIPMENT.
- PLACE GEOTEXTILE FILTER FABRIC IMMEDIATELY AFTER APPROVAL OF SUBGRADE PREPARATION IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS.
- AMEND IN-SITU SOIL. SOIL AMENDMENT MEDIA CAN INCLUDE COMPOST, MULCH, MANURES, SAND, AND MANUFACTURED MICROBIAL SOLUTIONS. AMENDED SOIL LAYER TO MEET MAXIMUM INFILTRATION RATE OF 10 IN/HR) THE PROJECT GEOTECHNICAL ENGINEER SHOULD BE ON-SITE TO OBSERVE INSTALLATION OF SOIL AMENDMENTS.
- PLACE TWO FEET OF AMENDED SOIL ACROSS THE ENTIRE CROSS-SECTION OF THE INFILTRATION BED. LIGHTLY COMPACT EACH LAYER WITH LIGHT EQUIPMENT, KEEPING EQUIPMENT MOVEMENT OVER STORAGE BED SUBGRADES TO A MINIMUM.
- PERFORM INFILTRATION TESTING OF THE AMENDED SOIL LAYER. A MINIMUM OF THREE INFILTRATION TESTS MUST BE PERFORMED WITHIN THE AMENDED SOIL LAYER. THE PROCEDURE USED MUST BE THE DOUBLE-RING INFILTRATION TEST. SOIL SAMPLING AND CHARACTERIZATION ARE ALSO REQUIRED, AND ALL MUST BE IN COMPLIANCE WITH THE CURRENT PHILADELPHIA STORMWATER MANAGEMENT GUIDANCE MANUAL. PRIOR TO INFILTRATION TESTING, PWD MUST BE CALLED (OFFICE: 215-685-6387) TO SCHEDULE AN OBSERVATION. THE ENGINEER MUST PROVIDE A SIGNED AND SEALED GEOTECHNICAL REPORT. ALL INFORMATION MUST BE SUBMITTED TO PWD FOR REVIEW AND APPROVAL BEFORE PROCEEDING WITH CONSTRUCTION. IF SOIL AMENDMENTS ARE INSTALLED, AND THE TESTED INFILTRATION RATE IS DETERMINED TO BE OUTSIDE OF THE PWD ALLOWABLE RANGE OF 0.4 TO TEN INCHES PER HOUR OR VARIES SIGNIFICANTLY FROM THE DESIGN INFILTRATION RATE, ADDITIONAL SOIL AMENDMENTS AND/OR A SYSTEM REDESIGN WILL BE REQUIRED. ONCE THE INFILTRATION TEST RESULTS ARE REVIEWED AND DETERMINED BY PWD TO BE ACCEPTABLE, PROCEED WITH INSTALLATION OF THE INFILTRATION PRACTICE.
- SOIL AMENDMENTS SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION PRIOR TO THE PLACEMENT OF GEOTEXTILE AND STONE BED.
- PLACE GEOTEXTILE AND INFILTRATION BED AGGREGATE IMMEDIATELY AFTER APPROVAL OF SOIL AMENDMENT PREPARATION TO PREVENT ACCUMULATION OF DEBRIS AND SEDIMENT. PREVENT RUNOFF AND SEDIMENT FROM ENTERING THE STORAGE BED DURING THE PLACEMENT OF THE GEOTEXTILE AND AGGREGATE BED.
- PLACE GEOTEXTILE IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS. ADJACENT STRIPS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF 16 INCHES. FABRIC SHALL BE SECURED AT LEAST FOUR FEET OUTSIDE OF BED.
- INSTALL AGGREGATE COURSE IN LIFTS OF SIX TO EIGHT INCHES. LIGHTLY COMPACT EACH LAYER WITH LIGHT EQUIPMENT, KEEPING EQUIPMENT MOVEMENT OVER STORAGE BED SUBGRADES TO A MINIMUM. IF PROPOSED, INSTALL STORAGE STRUCTURES (E.G., PIPES, ARCHES, CRATES, ETC.) DURING STONE BED PLACEMENT. INSTALL AGGREGATE TO GRADES INDICATED ON THE DRAWINGS.
- COMPLETE SURFACE GRADING ABOVE SUBSURFACE INFILTRATION SYSTEM, USING SUITABLE EQUIPMENT TO AVOID EXCESS COMPACTION.

**DIGSAU**

CLIENT  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

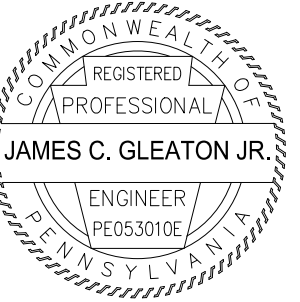
ME/P/E ENGINEER  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 297.217.1812

LIGHTING DESIGN  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 610.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

LEED CONSULTANT  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.915.0557  
 www.databasedplus.com

PROFESSIONAL ENGINEER  
 EXP. 09-30-2023  
  
**JAMES C. GLEATON JR.**  
 ENGINEER  
 PENNSYLVANIA  
 SIGNATURE: *James C. Gleaton Jr.*  
 04/14/2023  
 DATE

NO.	DATE	DESCRIPTION
3	04/07/2023	100% CD ISSUE
2	3/29/2023	PWD PCSM RESUBMISSION 1
1	1/12/2023	PWD PCSM SUBMISSION
△	DATE:	DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave.  
 Philadelphia, PA 19143

PROJECT #:	2020297-00
SCALE:	1" = 20'
FORMAT:	30" X 42"
DRAWN:	JYL
CHECKED:	JG
DATE:	04/07/2023

SHEET NAME:  
**POST CONSTRUCTION STORMWATER MANAGEMENT NOTES**

SHEET NUMBER:  
**C-651**

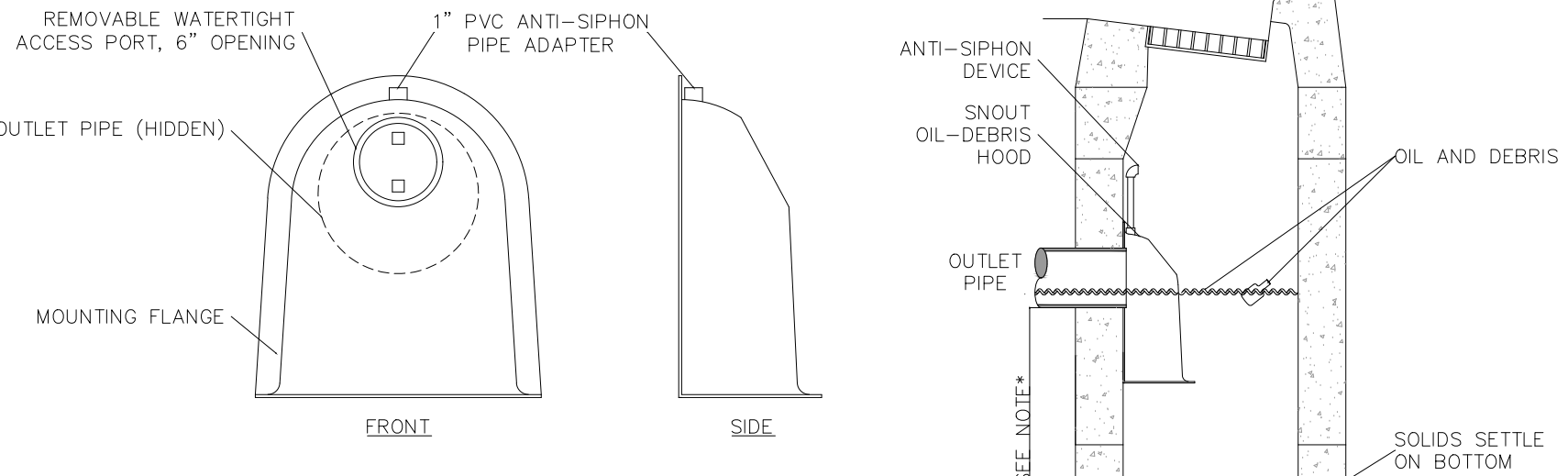
PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



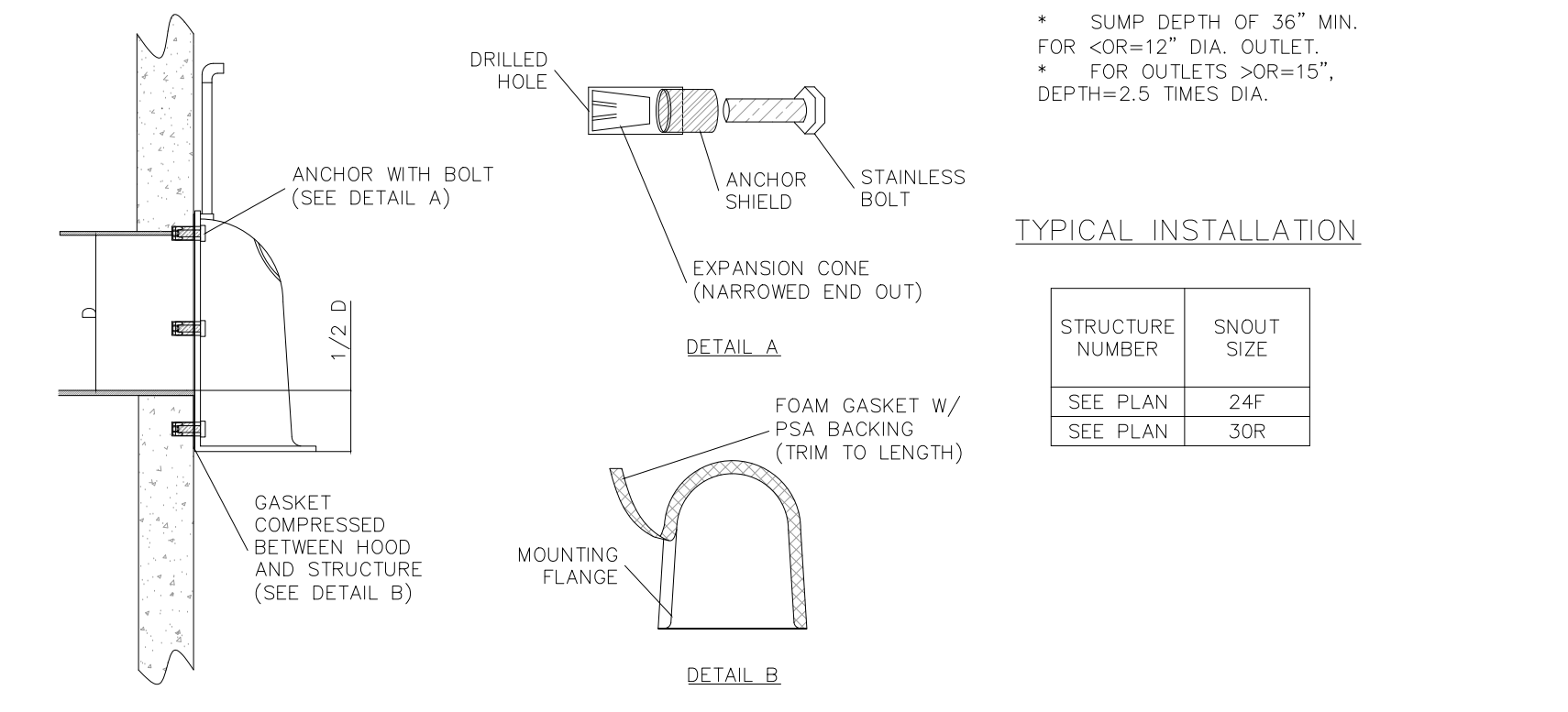




APPROVAL STAMP AREA



SNOUT OIL-WATER-DEBRIS SEPARATOR  
NOTE: DO NOT PROVIDE ANTI-SIPHON, PROVIDE AIR TIGHT CAP

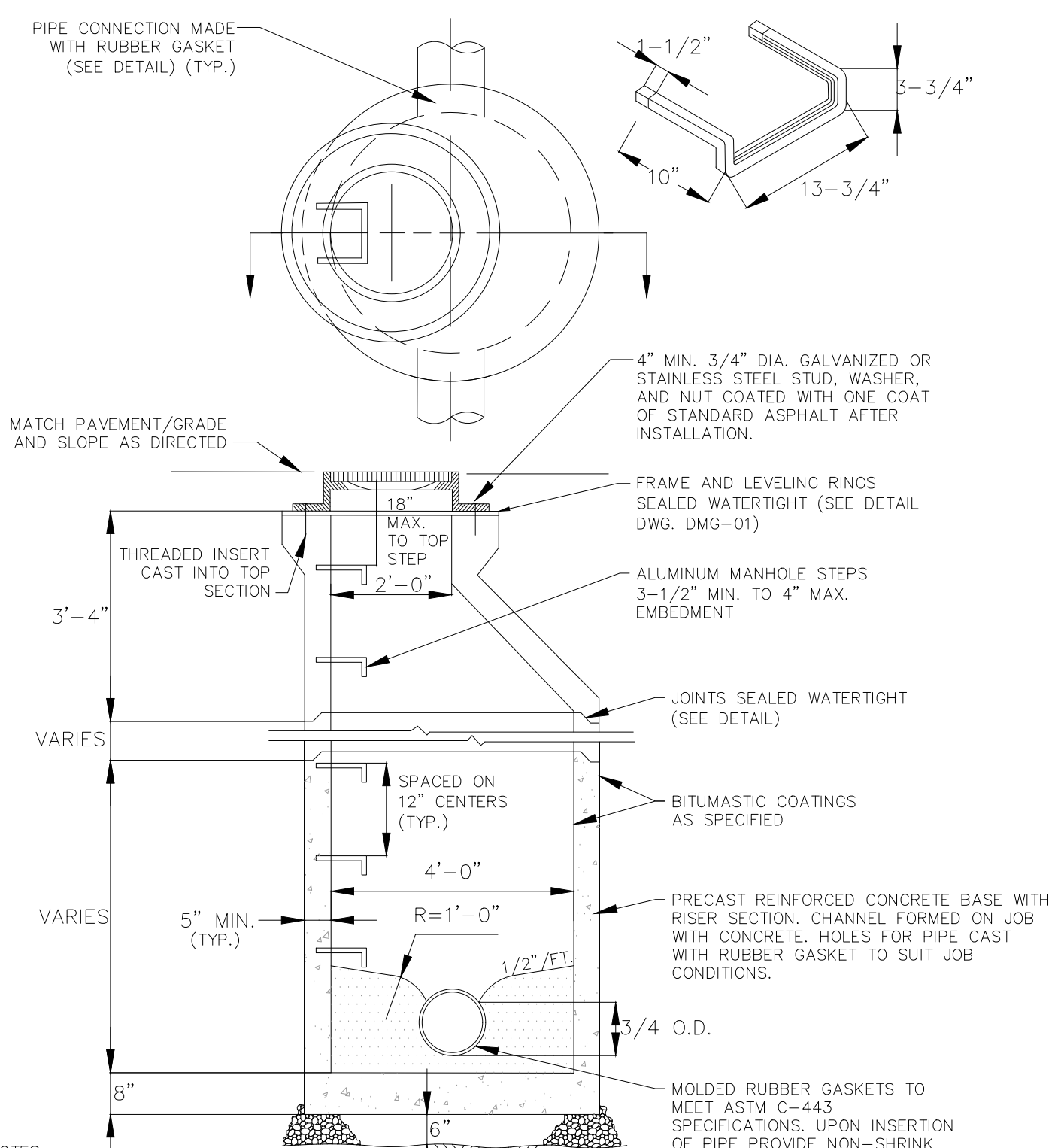


NOTE:  
1. POSITION HOOD SUCH THAT BOTTOM FLANGE IS A DISTANCE OF 1/2 OUTLET PIPE DIAMETER(MIN.) BELOW THE PIPE INVERT. MINIMUM DISTANCE FOR PIPES <12\"/>

INSTALLATION DETAIL

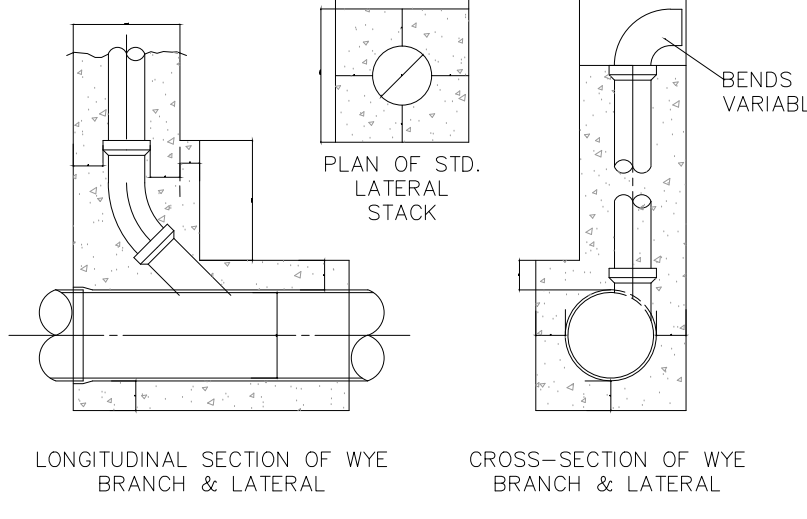
- NOTES:
- ALL HOODS AND TRAPS FOR CATCH BASINS AND WATER QUALITY STRUCTURES SHALL BE AS MANUFACTURED BY: BEST MANAGEMENT PRODUCTS, INC. 53 MT. ARCHER RD. LYME, CT 06377 (860)434-3195 FAX (860)434-0277 (860)434-3195 FAX TOLL FREE: (800)504-8008 OR (888)354-7585 WEB SITE: www.bmpinc.com
  - OR PRE-APPROVED EQUAL.
  - ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125\"/>

6 SNOUT OIL-WATER-DEBRIS SEPARATOR INSTALLATION  
SCALE: NOT TO SCALE



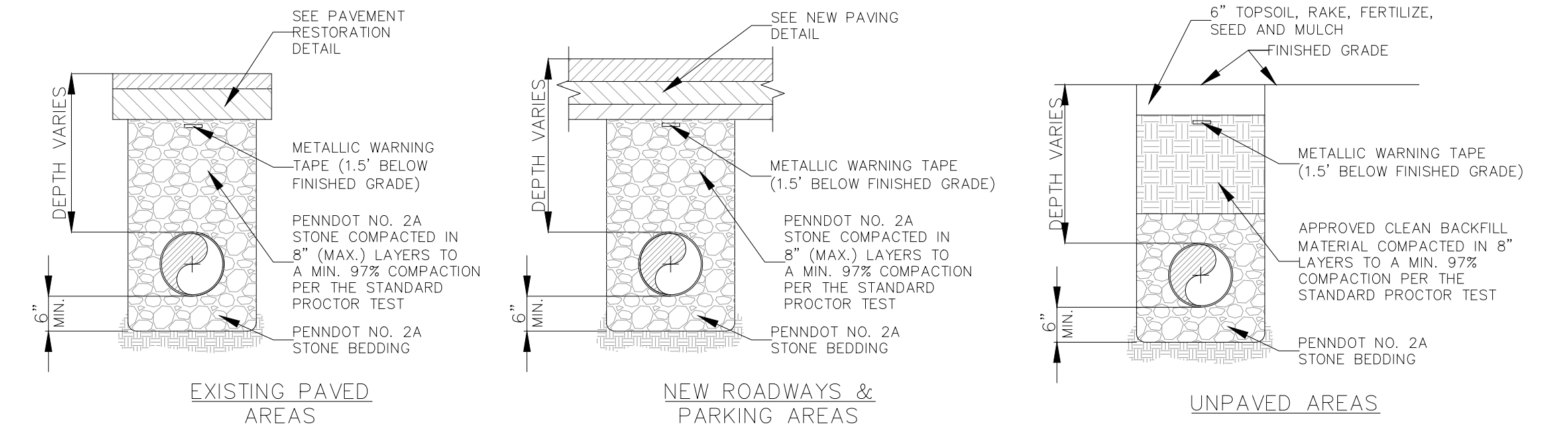
- NOTES:
- BOLTING OF MANHOLE FRAME AND COVER NOT REQUIRED FOR MANHOLES.
  - ALL STONE GRADATIONS ARE AASHTO CLASSIFICATION.
  - PIPES SHALL PROTRUDE 2\"/>

1 PRECAST CONCRETE SANITARY MANHOLE WITH PRECAST CONCRETE BASE  
SCALE: NOT TO SCALE



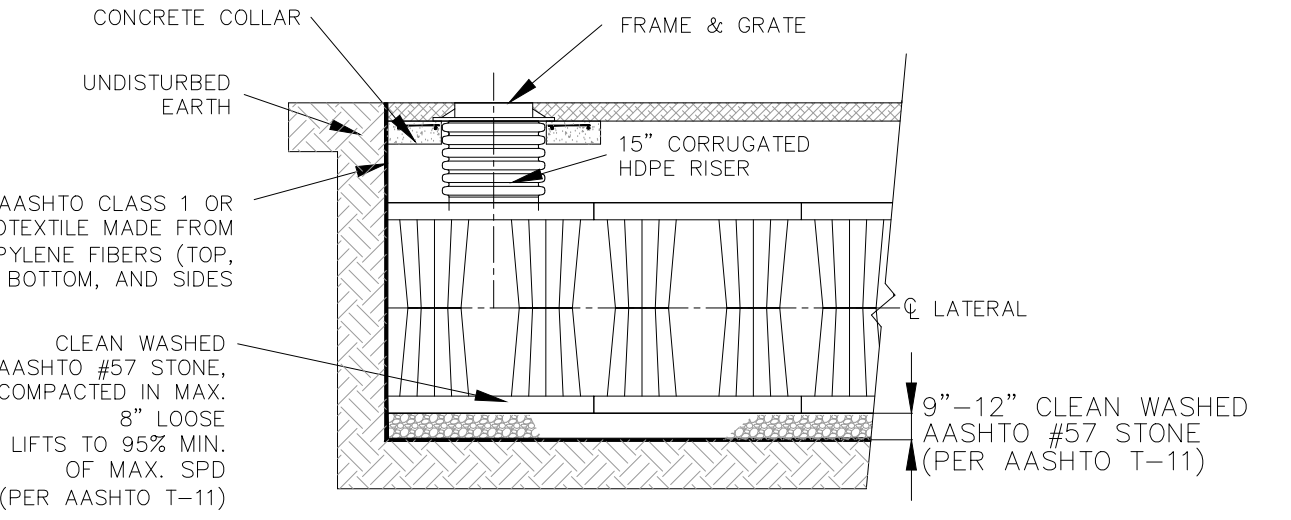
- NOTES:
- WHERE THE SEWER MAIN IS NOT ENCASED IN CONCRETE, AND AN ENCASED LATERAL MUST BE PROVIDED, THE MAIN SEWER SECTION OF THE WYE BRANCH SHALL BE ENCASED FOR THE ENTIRE LENGTH THE WYE'S MAIN SEWER SECTION, IN CONFORMITY TO THE SHOWN CROSS-SECTIONS.

7 WYE BRANCH ENCASEMENT  
SCALE: NOT TO SCALE

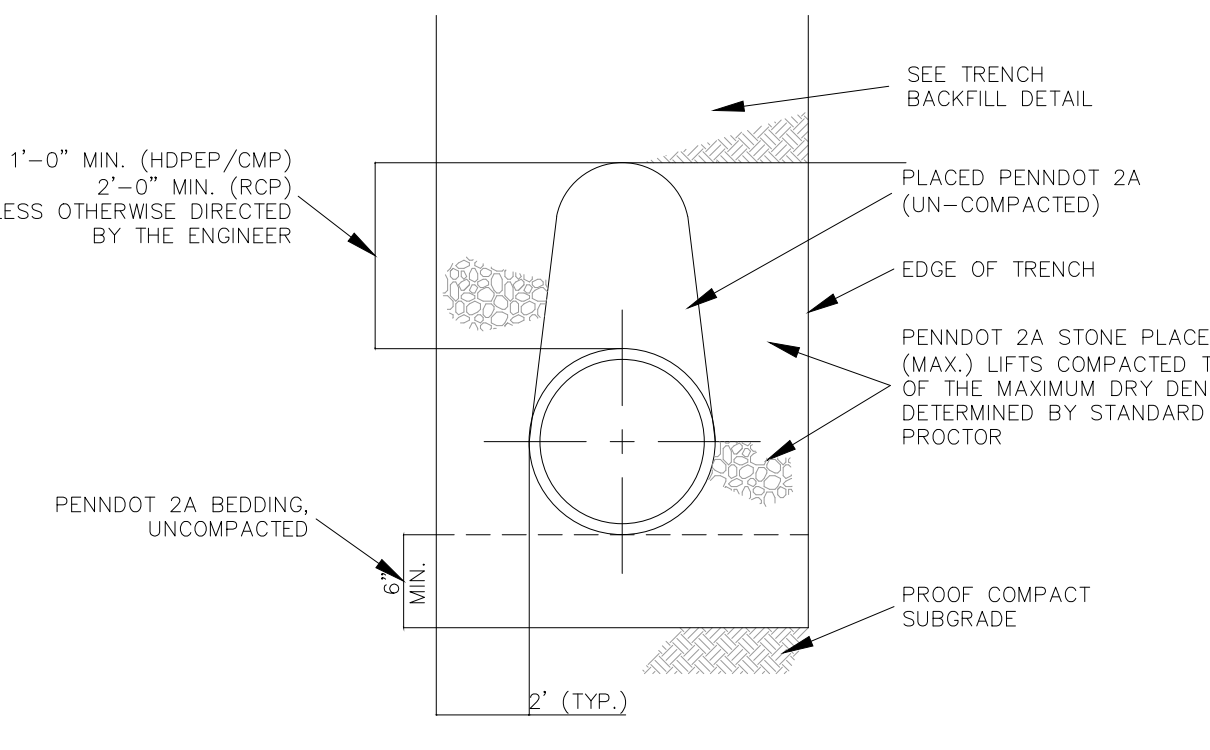


- NOTES:
- TRENCH COMPACTION TO BE TESTED, AT THE DEVELOPER'S EXPENSE, IN ACCORDANCE WITH PENNDOT PUB 408, LATEST REVISION, AS REQUIRED BY THE MUNICIPALITY/AUTHORITY HAVING JURISDICTION.
  - CLEAN FILL MUST BE APPROVED BY THE MUNICIPALITY/AUTHORITY HAVING JURISDICTION PRIOR TO PLACEMENT IN THE TRENCH.
  - AREAS AROUND MANHOLES, WELLS, AND OTHER APPURTENANCES SHALL BE HAND COMPACTED AS DIRECTED BY THE MUNICIPALITY/AUTHORITY HAVING JURISDICTION.

8 BACKFILL (TRENCH) DETAIL  
SCALE: NOT TO SCALE

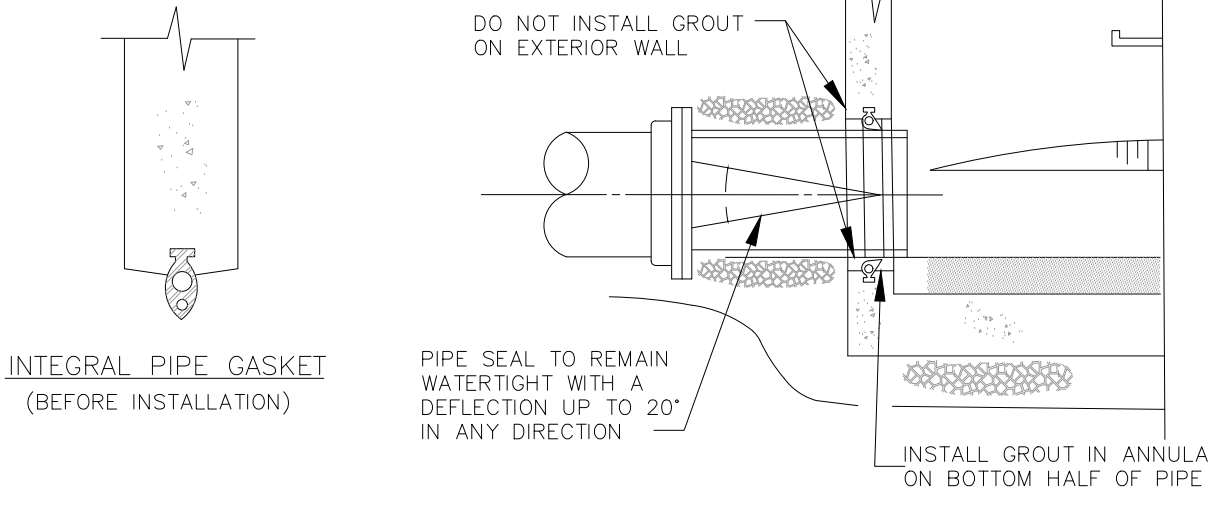


11 TYPICAL ACO STORMBRIXX SUBSURFACE BASIN CROSS-SECTION  
SCALE: NOT TO SCALE

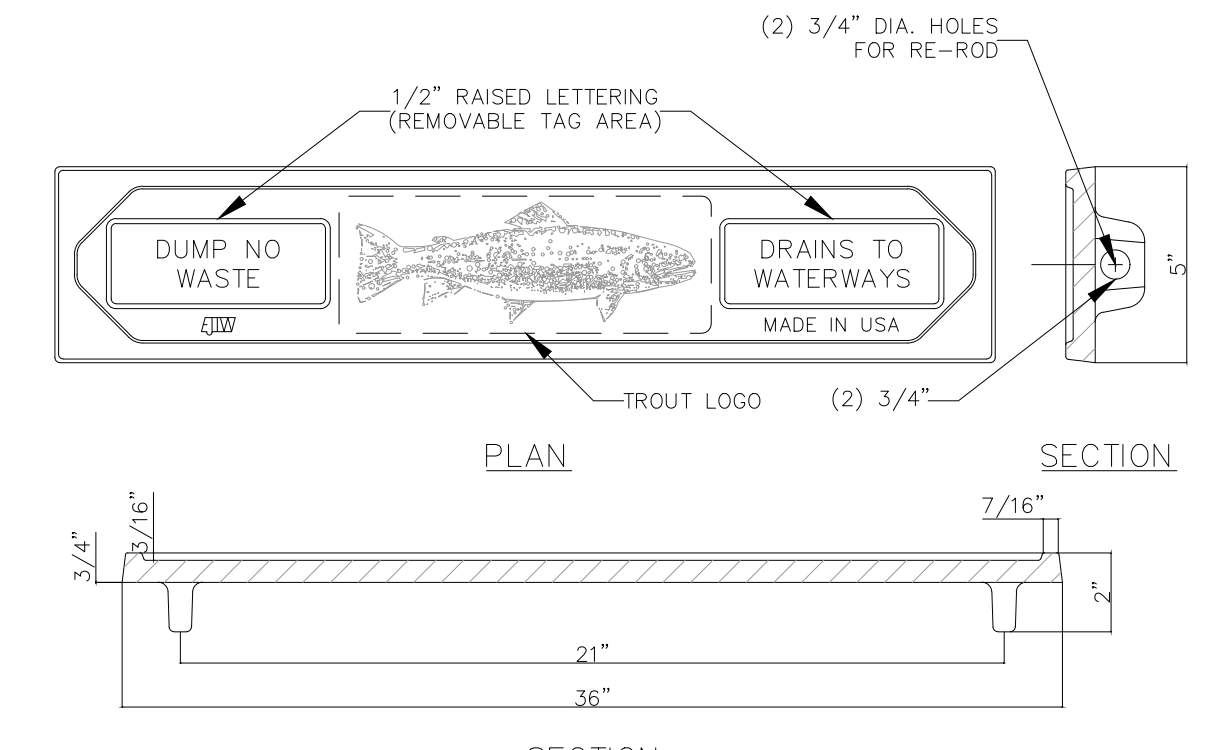


- NOTES:
- IF TRENCH IS EXTREMELY WET DUE TO HIGH GROUNDWATER, USE AASHTO #57 STONE UP TO THE MANHOLES OF THE PIPE. REMAINDER OF BEDDING TO BE PENNDOT 2A.
  - FOLLOW PIPE INSTALLATION PROCEDURES PER PENNDOT PUBLICATION 72M - RC-30M.

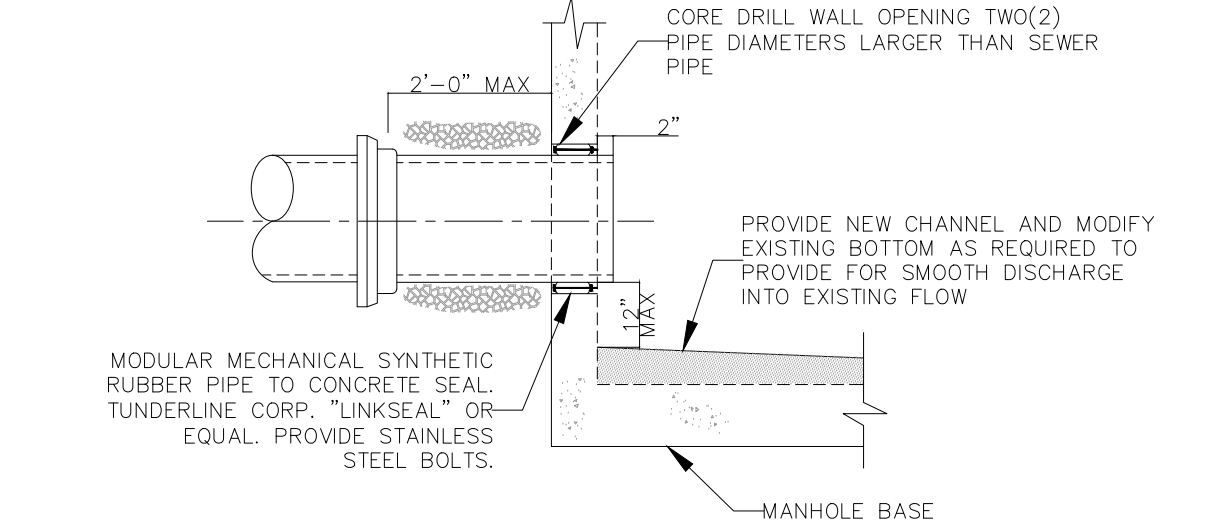
2 PIPE BEDDING (STORM SEWER)  
SCALE: NOT TO SCALE



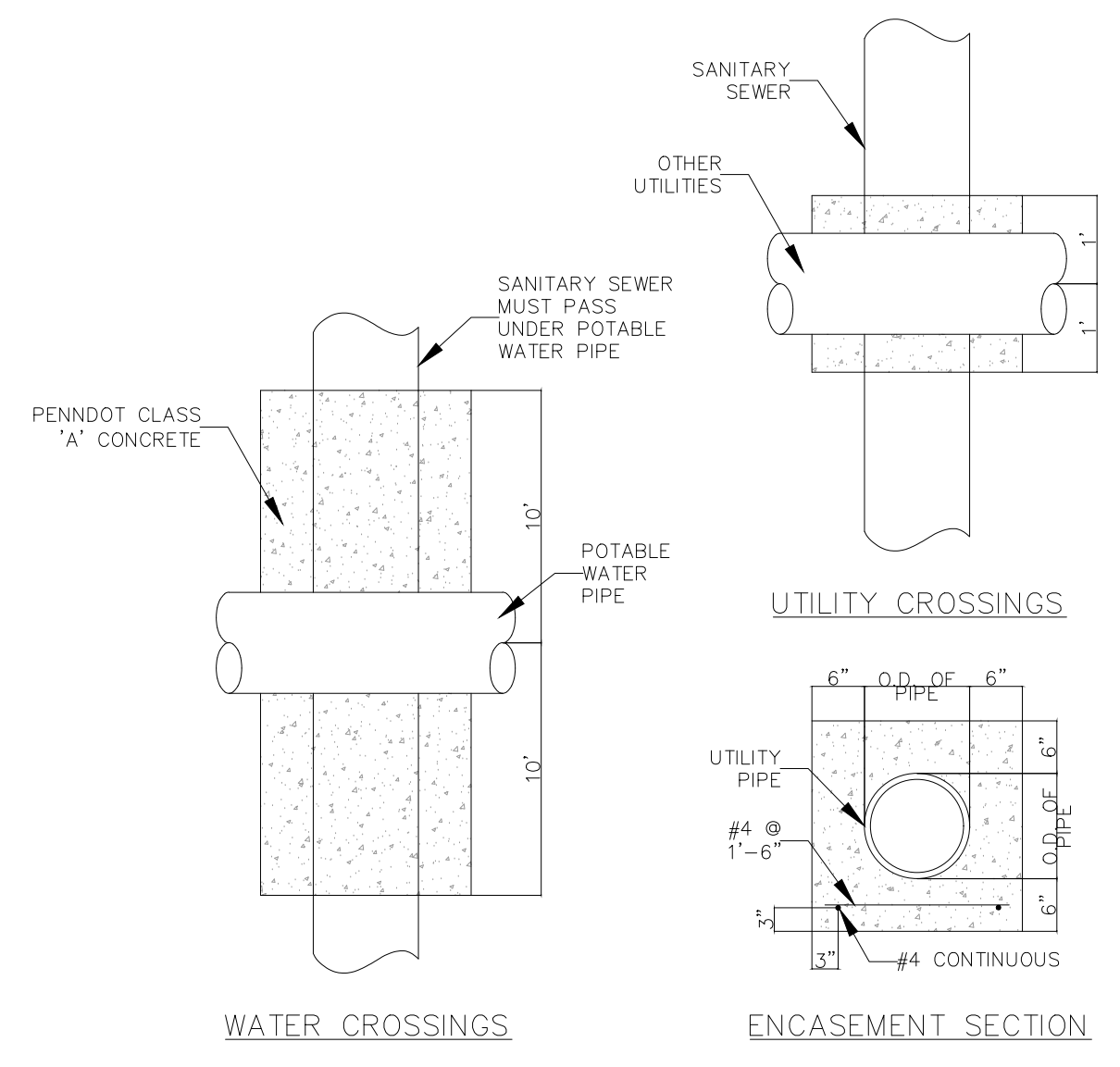
4 MANHOLE PIPE GASKET  
SCALE: NOT TO SCALE



3 \"/>

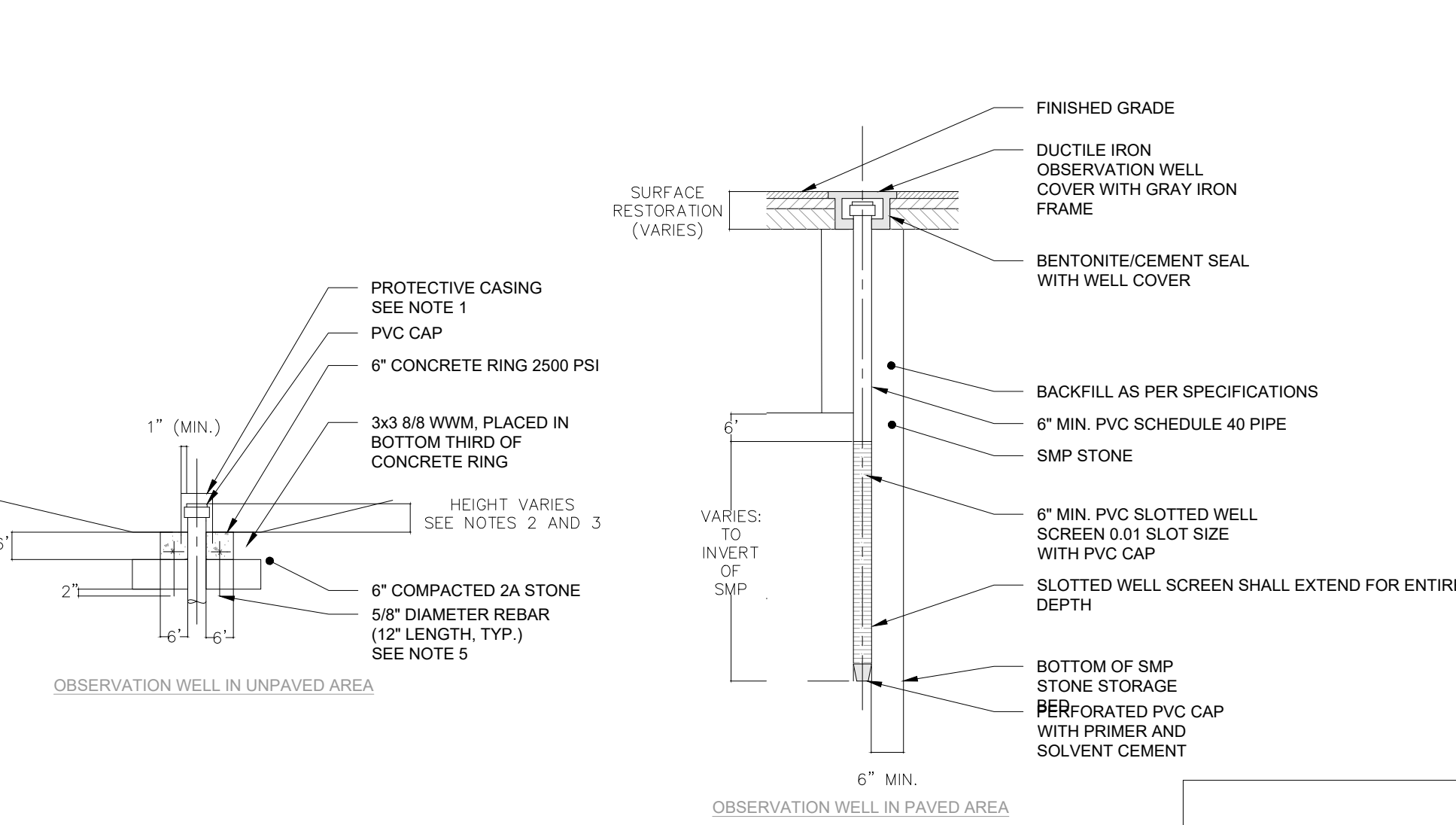


5 PIPE CONNECTION TO EXISTING MANHOLE  
SCALE: NOT TO SCALE



- NOTES:
- PROVIDE REINFORCEMENT AT UTILITY CROSSINGS OR AS DIRECTED BY THE MUNICIPALITY/AUTHORITY HAVING JURISDICTION.

9 UTILITY CROSSING (CONCRETE ENCASEMENT)  
SCALE: NOT TO SCALE



- NOTES:
- WELL COVER SHALL BE SECURED IN CONCRETE SURROUND (1\"/>

12 PWD OBSERVATION WELL DETAIL  
SCALE: NOT TO SCALE

DIGSAU

CLIENT  
**REBUILD**  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

ME/P/EP ENGINEER  
**dbHMS**  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 297.217.1612

LIGHTING DESIGN  
**The Lighting Practice**  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 610.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
**Database+**  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.515.0557  
www.databaseplus.com

PROFESSIONAL ENGINEER  
EXPIRES 09-30-2023  
**JAMES C. GLEATON JR.**  
ENGINEER  
PENNSYLVANIA  
SIGNATURE  
04/14/2023  
DATE

NO.	DATE	DESCRIPTION
3	04/07/2023	100% CD ISSUE
2	3/29/2023	PWD PCSM RESUBMISSION 1
1	1/12/2023	PWD PCSM SUBMISSION
△	DATE:	DESCRIPTION:

FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave.  
Philadelphia, PA 19143

PROJECT #: 2020297-00  
SCALE: 1" = 20'  
FORMAT: 30" X 42"  
DRAWN: JYL  
CHECKED: JG  
DATE: 04/07/2023

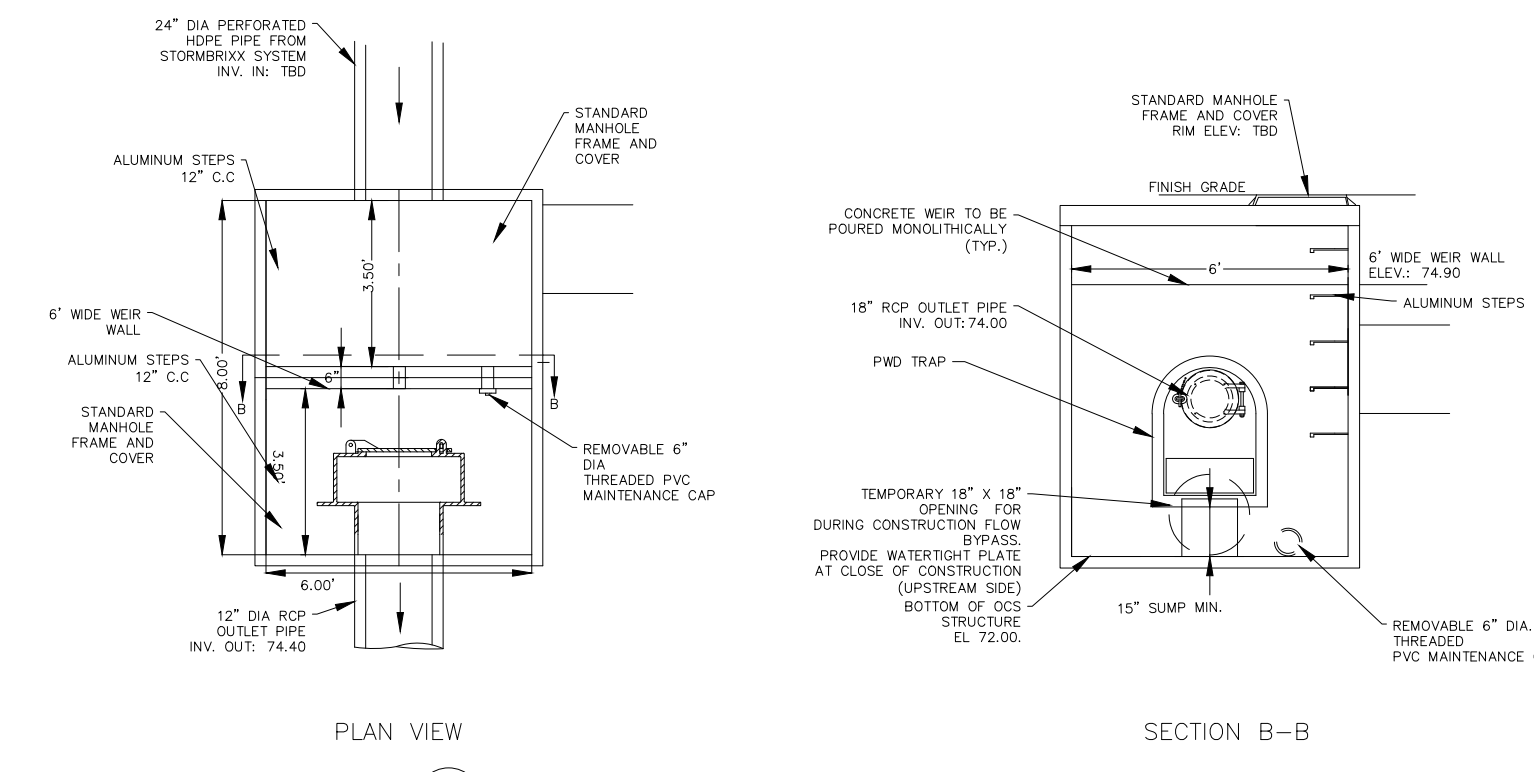
SHEET NAME:  
**POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS 2**

SHEET NUMBER:  
**C-653**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



APPROVAL STAMP AREA



GENERAL NOTES

- IT IS CUSTOMERS RESPONSIBILITY TO ENSURE THAT EACH PRODUCT IS FIT FOR ITS INTENDED PURPOSE AND THAT THE ACTUAL CONDITIONS ARE SUITABLE.
- IT IS THE CUSTOMERS RESPONSIBILITY TO FOLLOW ACO, INC. INSTALLATION INSTRUCTIONS FOR EACH PRODUCT. SEEK ENGINEERING ADVICE FOR INSTALLATIONS NOT ILLUSTRATED IN THE INSTALLATION GUIDELINES.
- FOR FURTHER PRODUCT INFORMATION, CUT SHEETS, SPECIFICATIONS AND INSTALLATION INSTRUCTIONS, PLEASE VISIT US AT OUR WEBSITE: [ACOSTORMBRIXX.US](http://ACOSTORMBRIXX.US)

STORMBRIXX NOTES

- ALL FABRICATIONS TO BE COMPLETED BY INSTALLING CONTRACTOR. HE/SHE TO VERIFY THE ENTIRE SCOPE OF STORMBRIXX HD HAS BEEN PROVIDED FOR THIS PROJECT.
- DIMENSIONS ARE FROM OUTSIDE TO OUTSIDE.
- LAYOUT IS BASED ON SHEET C-600 PROVIDED TO THE ACO, INC. TECHNICAL SERVICES DEPARTMENT.
- THIS PLAN VIEW REPRESENT ONE OF TWO STORMBRIXX HD HALF LAYER ORIENTATIONS REQUIRED FOR THIS TANK. FOR COMPLETE, BRICK-BONDED INSTALLATION DRAWINGS, PLEASE REQUEST THIS SERVICE FROM THE ACO, INC. SALES DEPARTMENT.
- THE NUMBER OF ACCESS/INSPECTION LOCATIONS DISPLAYED ARE RECOMMENDATIONS, AND MORE/LESS CAN BE ADDED WITH EASE VIA REVISION.
- ACCESS UNITS OCCUPY A PROFILE EQUIVALENT TO HALF OF ONE HALF MODULE AND ALLOW FOR DIRECT ACCESS TO UP 18" PIPE CONNECTIONS.
- ACCESS PLATES OCCUPY THE EQUIVALENT PROFILE OF HALF OF ONE HALF MODULE AND MUST BE SURROUNDED BY BRICK BONDED MODULES. ACCESS PLATES CAN BE PLACED ANYWHERE BESIDES THE EDGE OF THE SYSTEM.
- HOLDING CAPACITY OF ONE FULLY ASSEMBLED STORMBRIXX HD MODULE = 14.73 CF

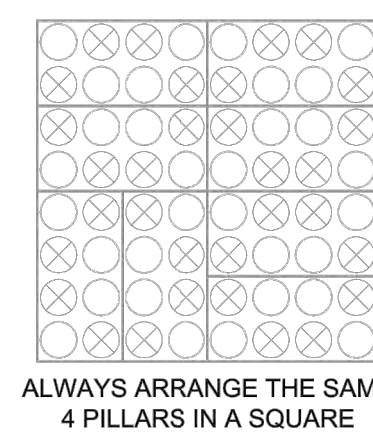
INSTALLATION NOTES

- ALL FABRICATIONS TO BE COMPLETED BY INSTALLING CONTRACTOR.
- EXCAVATE AWAY FROM TANK'S PROFILE PER OSHA STANDARDS.
- UP TO 15" PIPE CONNECTIONS CAN BE CORED DIRECTLY INTO STORMBRIXX HD SIDE PANELS.
- USE LAYER CONNECTORS TO RESTRICT SHEARING MOVEMENT BETWEEN BRICK-BONDED LAYERS/HALF LAYERS.
- USE LAYER CONNECTORS TO ADHERE ACCESS UNITS TO BRICK-BONDED HALF MODULES.
- A VOID AREA EQUIVALENT TO HALF OF ONE HALF MODULE IS PRESENT UNDER EACH ACCESS PLATE.

ALL DRAWINGS ARE AS ACCURATE AS THE INFORMATION SUPPLIED. ALL REASONABLE CARE HAS BEEN TAKEN IN COMPILING THE INFORMATION WITHIN. PLEASE REVIEW THIS INFORMATION FOR ACCURACY.

- APPROVED
- APPROVED AS NOTED
- REVISE AND RESUBMIT
- REJECTED

SIGNED: \_\_\_\_\_  
DATE: \_\_\_\_\_  
COMMENTS:



SHEET INDEX

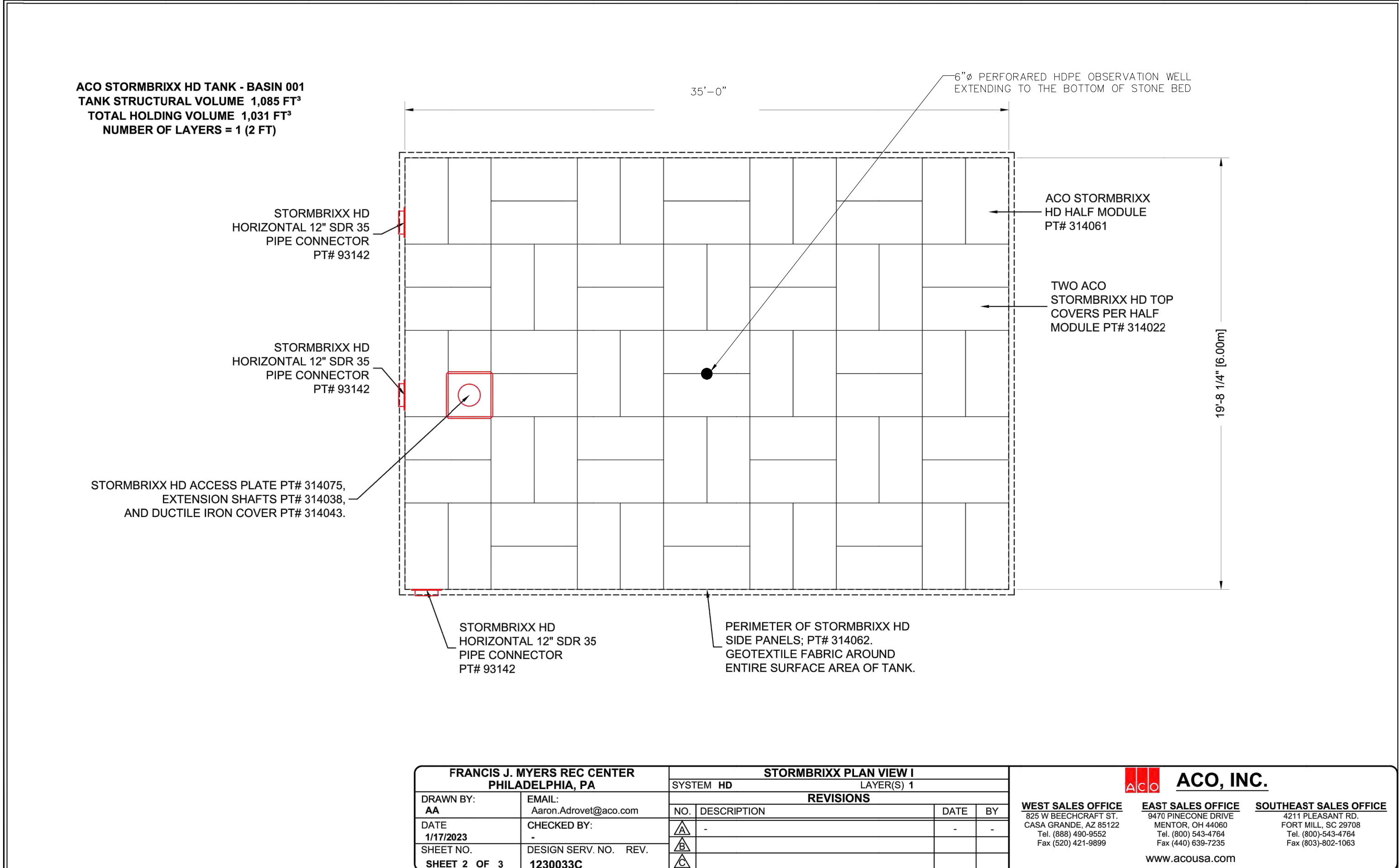
SHEET NO.	DESCRIPTION
1	NOTES
2	STORMBRIXX PLAN VIEW I
3	STORMBRIXX PLAN VIEW II

FRANCIS J. MYERS REC CENTER PHILADELPHIA, PA		SYSTEM HD		NOTES		LAYER(S) 1	
DRAWN BY:	EMAIL:	NO.	DESCRIPTION	REVISIONS	DATE	BY	
AA	Aaron.Adrowel@aco.com	1					
CHECKED BY:		2					
1/17/2023		3					
SHEET NO.	DESIGN SERV. NO.	REV.					
1 OF 3	1230033C						

**WEST SALES OFFICE**  
855 W BRECHOWITZ ST  
CASA GRANDE, AZ 85522  
TEL: (888) 490-9552  
FAX: (520) 421-8899  
WWW.ACOUSA.COM

**EAST SALES OFFICE**  
5670 PINECONE DRIVE  
MONTICELLO, OH 44060  
TEL: (888) 490-9552  
FAX: (440) 639-7228  
WWW.ACOUSA.COM

**SOUTHEAST SALES OFFICE**  
4511 PLEASANT RD  
FORT MILL, SC 29508  
TEL: (803) 543-4764  
FAX: (803) 543-1063  
WWW.ACOUSA.COM



2 SUBSURFACE INFILTRATION BASIN\_001  
SCALE: NOT TO SCALE

### ACO StormBrixx® HD

Stormwater Detention/Infiltration/Retention System

February 2021

West Tel: (888) 490-9552  
East Tel: (800) 543-4764

### ACO StormBrixx® HD

Stormwater Detention/Infiltration/Retention System

February 2021

Part No.	A	B	C	H	W	L
	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)
93139	SDR 35 - 4"	2.00 (51)	6.25 (158)	8.25 (209)	6.70 (170)	8.00 (203)
93145	SCH 40 - 4"	2.00 (51)	7.47 (189)	8.29 (210)	6.70 (170)	8.00 (203)
93140	SDR 35 - 6"	2.00 (51)	8.95 (227)	9.93 (252)	10.22 (260)	8.00 (203)
93146	SCH 40 - 6"	2.00 (51)	9.11 (231)	10.46 (265)	10.22 (260)	8.00 (203)
93141	SDR 35 - 8"	2.00 (51)	10.46 (265)	11.39 (289)	11.64 (295)	8.00 (203)
93147	SCH 40 - 8"	2.00 (51)	10.57 (268)	11.39 (289)	11.64 (295)	8.00 (203)
93142	SDR 35 - 12"	2.00 (51)	13.48 (343)	14.30 (363)	16.66 (423)	8.00 (203)
93144	SCH 35 - 15"	2.00 (51)	18.61 (471)	19.25 (489)	19.25 (489)	8.00 (203)

West Tel: (888) 490-9552  
East Tel: (800) 543-4764

### ACO StormBrixx® HD

Stormwater Detention/Infiltration/Retention System

February 2021

West Tel: (888) 490-9552  
East Tel: (800) 543-4764

ACO Specification Information

ACO Specification Information

ACO Specification Information

# DIGSAU

**CLIENT**  
**REBUILD**  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

**ME/P/EP ENGINEER**  
**dbms**  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 297.217.1812

**LIGHTING DESIGN**  
**The Lighting Practice**  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

**COST ESTIMATING**  
**Dharam Consulting**  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 610.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

**LEED CONSULTANT**  
**DataBase+**  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.15.0557  
www.databasedp.com

PROFESSIONAL ENGINEER  
EXPIRES: 09-30-2023  
SIGNATURE: James C. Gleaton Jr.  
04/14/2023  
DATE

NO.	DATE	DESCRIPTION
3	04/07/2023	100% CD ISSUE
2	3/29/2023	PWD PCSM RESUBMISSION 1
1	1/12/2023	PWD PCSM SUBMISSION

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave.  
Philadelphia, PA 19143

PROJECT #: 2020297-00  
SCALE: 1" = 20'  
FORMAT: 30" X 42"  
DRAWN: JYL  
CHECKED: JG  
DATE: 04/07/2023

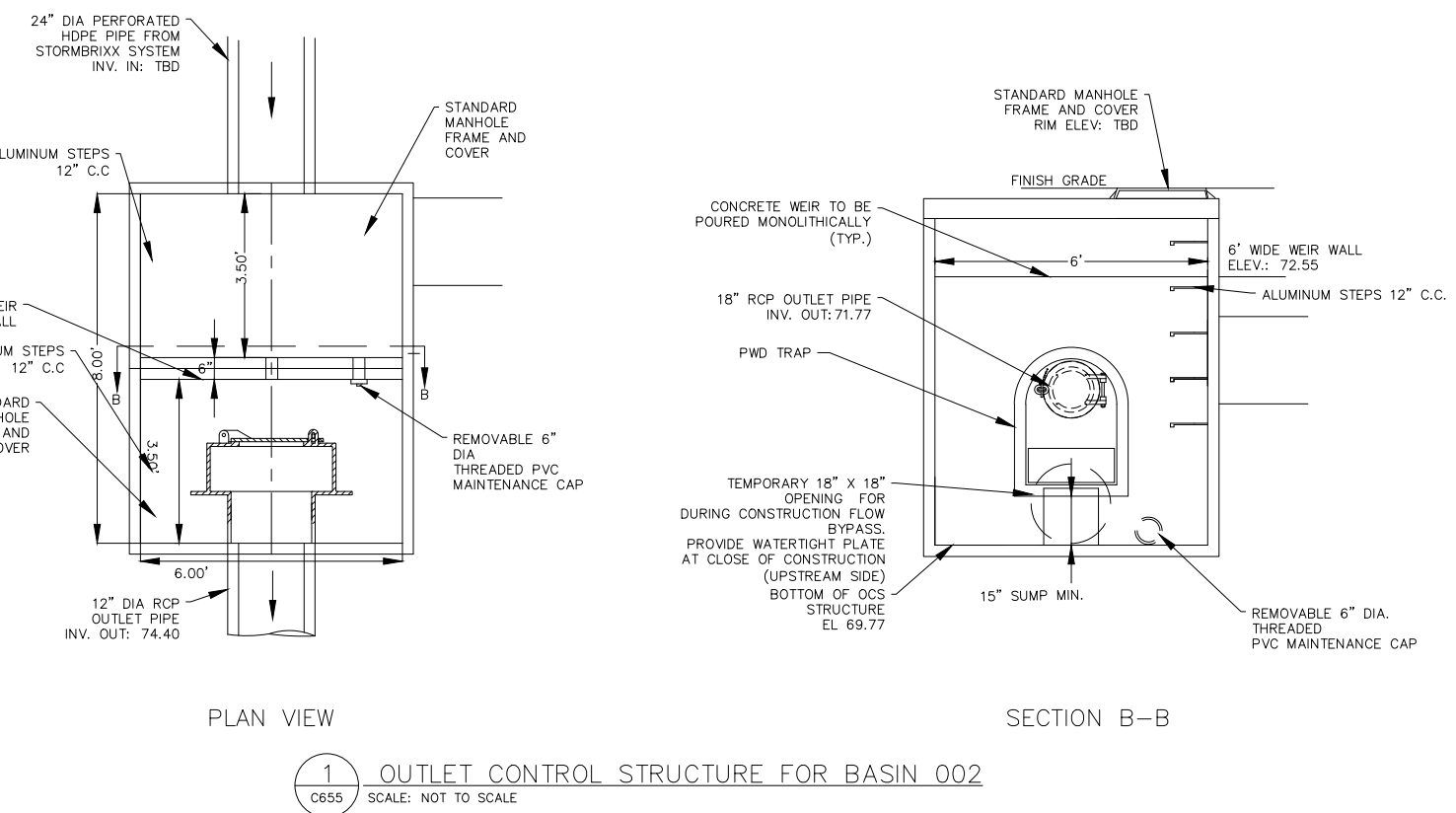
**SHEET NAME:**  
**POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS 3**

**SHEET NUMBER:**  
**C-654**

**PROJECT PHASE:**  
**CONSTRUCTION DOCUMENTS**



APPROVAL STAMP AREA



1 OUTLET CONTROL STRUCTURE FOR BASIN 002  
SCALE: NOT TO SCALE

**GENERAL NOTES**

- IT IS CUSTOMERS RESPONSIBILITY TO ENSURE THAT EACH PRODUCT IS FIT FOR ITS INTENDED PURPOSE AND THAT THE ACTUAL CONDITIONS ARE SUITABLE.
- IT IS THE CUSTOMERS RESPONSIBILITY TO FOLLOW ACO, INC. INSTALLATION INSTRUCTIONS FOR EACH PRODUCT. SEEK ENGINEERING ADVICE FOR INSTALLATIONS NOT ILLUSTRATED IN THE INSTALLATION GUIDELINES.
- FOR FURTHER PRODUCT INFORMATION, CUT SHEETS, SPECIFICATIONS AND INSTALLATION INSTRUCTIONS, PLEASE VISIT US AT OUR WEBSITE: [ACOSTORMBRIXX.US](http://ACOSTORMBRIXX.US)

**STORMBRIXX NOTES**

- ALL FABRICATIONS TO BE COMPLETED BY INSTALLING CONTRACTOR. HE/SHE TO VERIFY THE ENTIRE SCOPE OF STORMBRIXX HD HAS BEEN PROVIDED FOR THIS PROJECT.
- DIMENSIONS ARE FROM OUTSIDE TO OUTSIDE.
- LAYOUT IS BASED ON SHEET C-600 PROVIDED TO THE ACO, INC. TECHNICAL SERVICES DEPARTMENT.
- THIS PLAN VIEW REPRESENT ONE OF TWO STORMBRIXX HD HALF LAYER ORIENTATIONS REQUIRED FOR THIS TANK. FOR COMPLETE, BRICK-BONDED INSTALLATION DRAWINGS, PLEASE REQUEST THIS SERVICE FROM THE ACO, INC. SALES DEPARTMENT.
- THE NUMBER OF ACCESS/INSPECTION LOCATIONS DISPLAYED ARE RECOMMENDATIONS, AND MORELESS CAN BE ADDED WITH EASE VIA REVISION.
- ACCESS UNITS OCCUPY A PROFILE EQUIVALENT TO HALF OF ON HALF MODULE AND ALLOW FOR DIRECT ACCESS TO UP 18" PIPE CONNECTIONS.
- ACCESS PLATES OCCUPY THE EQUIVALENT PROFILE OF HALF OF ONE HALF MODULE AND MUST BE SURROUNDED BY BRICK BONDED MODULES. ACCESS PLATES CAN BE PLACED ANYWHERE BESIDES THE EDGE OF THE SYSTEM.
- HOLDING CAPACITY OF ONE FULLY ASSEMBLED STORMBRIXX HD MODULE = 14.73 CF

**INSTALLATION NOTES**

- ALL FABRICATIONS TO BE COMPLETED BY INSTALLING CONTRACTOR.
- EXCAVATE AWAY FROM TANK'S PROFILE PER OSHA STANDARDS.
- UP TO 15" PIPE CONNECTIONS CAN BE CORED DIRECTLY INTO STORMBRIXX HD SIDE PANELS.
- USE LAYER CONNECTORS TO RESTRICT SHEARING MOVEMENT BETWEEN BRICK-BONDED LAYERS/HALF MODULES.
- USE LAYER CONNECTORS TO ADHERE ACCESS UNITS TO BRICK-BONDED HALF MODULES.
- A VOID AREA EQUIVALENT TO HALF OF ONE HALF MODULE IS PRESENT UNDER EACH ACCESS PLATE.

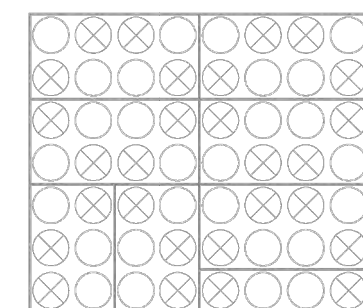
ALL DRAWINGS ARE AS ACCURATE AS THE INFORMATION SUPPLIED. ALL REASONABLE CARE HAS BEEN TAKEN IN COMPILING THE INFORMATION WITHIN. PLEASE REVIEW THIS INFORMATION FOR ACCURACY.

APPROVED  REVISE AND RESUBMIT  
 APPROVED AS NOTED  REJECTED

SIGNED: \_\_\_\_\_

DATE: \_\_\_\_\_

COMMENTS: \_\_\_\_\_



ALWAYS ARRANGE THE SAME 4 PILLARS IN A SQUARE

**SHEET INDEX**

SHEET NO.	DESCRIPTION
1	STORMBRIXX PLAN VIEW I
2	STORMBRIXX PLAN VIEW II
3	STORMBRIXX PLAN VIEW III

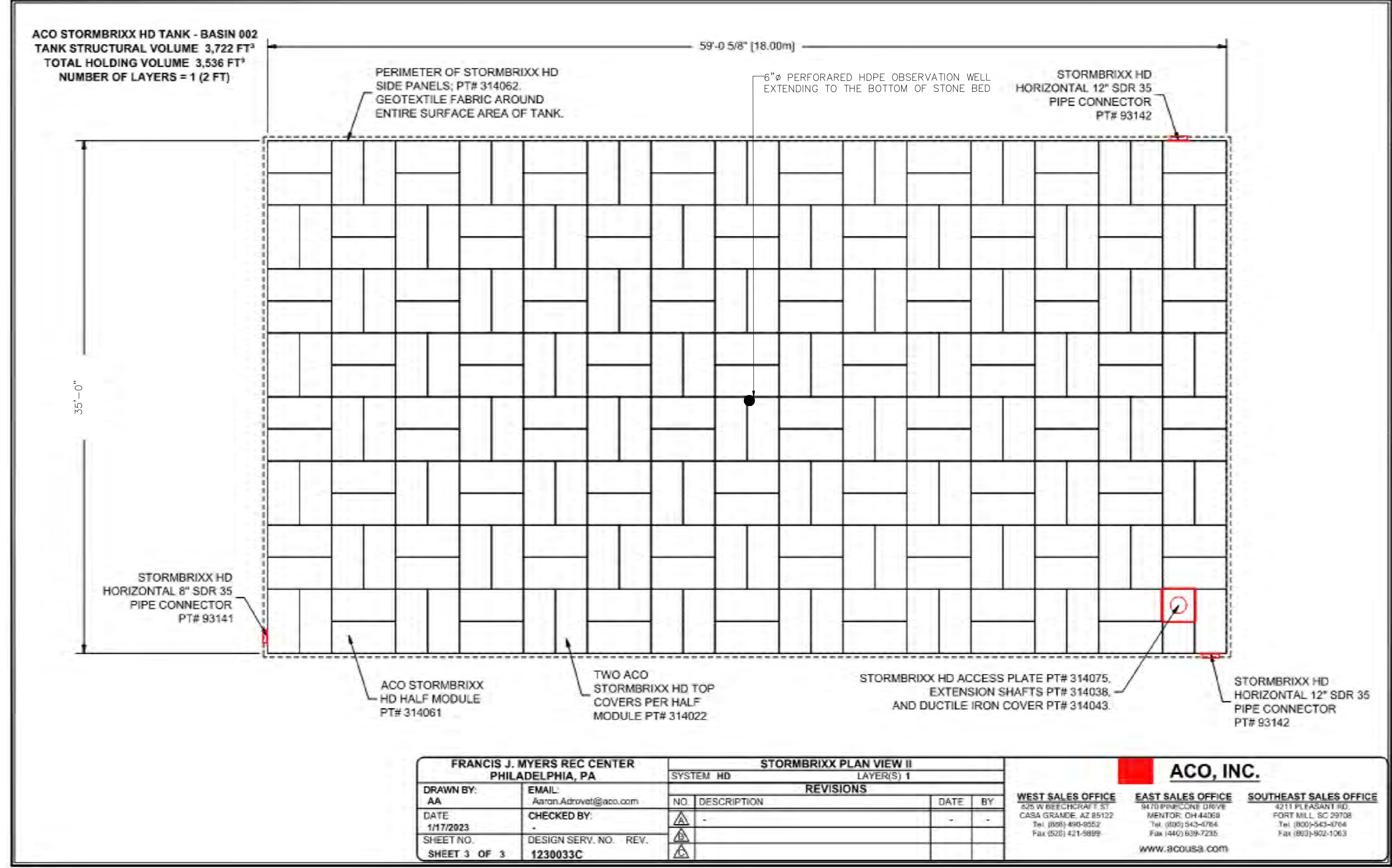
FRANCIS J. MYERS REC CENTER PHILADELPHIA, PA		NOTES		LAYER(S) 1	
DRAWN BY:	EMAIL:	SYSTEM HD	NO.	DESCRIPTION	DATE
AA	Aaron.Adrovetti@aco.com				
DATE:	CHECKED BY:				
1/17/2023					
SHEET NO.:	DESIGN SERV. NO. REV.				
SHEET 1 OF 3	1230033C				

**ACO, INC.**

WEST SALES OFFICE  
CASA GRANDE, AZ 85122  
Tel: (800) 490-9552  
Fax: (602) 421-9899  
www.acousa.com

EAST SALES OFFICE  
MELTON, OH 44030  
Tel: (800) 543-4764  
Fax: (440) 559-7255  
www.acousa.com

SOUTHEAST SALES OFFICE  
FORT MILL, SC 29716  
Tel: (800) 543-4764  
Fax: (803) 802-1083  
www.acousa.com



2 SUBSURFACE INFILTRATION BASIN 002  
SCALE: NOT TO SCALE

FRANCIS J. MYERS REC CENTER PHILADELPHIA, PA		STORMBRIXX PLAN VIEW II		ACO, INC.	
DRAWN BY:	EMAIL:	SYSTEM HD	NO.	DESCRIPTION	DATE
AA	Aaron.Adrovetti@aco.com				
DATE:	CHECKED BY:				
1/17/2023					
SHEET NO.:	DESIGN SERV. NO. REV.				
SHEET 3 OF 3	1230033C				

**ACO StormBrixx® HD** February 2021  
**Stormwater Detention/Infiltration/Retention System**

West Tel: (888) 490-9552  
East Tel: (800) 543-4764

**ACO StormBrixx® HD** February 2021  
**Stormwater Detention/Infiltration/Retention System**

**ACO Specification Information**

Part No.	A	B	C	H	W	L
	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)
93139	SDR 35 - 4"	2.00 (51)	4.25 (108)	8.25 (209)	6.70 (170)	8.00 (203)
93145	SDR 40 - 4"	2.00 (51)	7.47 (189)	7.47 (189)	6.70 (170)	8.00 (203)
93140	SDR 35 - 6"	2.00 (51)	8.95 (227)	9.93 (252)	10.22 (259)	8.00 (203)
93146	SDR 40 - 6"	2.00 (51)	9.11 (231)	9.93 (252)	10.22 (259)	8.00 (203)
93141	SDR 35 - 8"	2.00 (51)	10.46 (266)	11.39 (289)	11.64 (295)	8.00 (203)
93147	SDR 35 - 8"	2.00 (51)	10.57 (269)	11.39 (289)	11.64 (295)	8.00 (203)
93142	SDR 35 - 12"	2.00 (51)	13.48 (342)	14.30 (363)	14.66 (372)	8.00 (203)
93144	SDR 35 - 15"	2.00 (51)	16.81 (427)	18.25 (463)	19.25 (489)	8.00 (203)

West Tel: (888) 490-9552  
East Tel: (800) 543-4764

**ACO StormBrixx® HD** February 2021  
**Stormwater Detention/Infiltration/Retention System**

**ACO Specification Information**

West Tel: (888) 490-9552  
East Tel: (800) 543-4764

**ACO Specification Information**

PROFESSIONAL ENGINEER  
EXPIRES: 09-30-2023  
JAMES C. GLEATON JR.  
ENGINEER  
PESS0016  
PA STATE

SIGNATURE: \_\_\_\_\_  
DATE: 04/14/2023

NO.	DATE	DESCRIPTION
3	04/07/2023	100% CD ISSUE
2	3/29/2023	PWD PCSM RESUBMISSION 1
1	1/12/2023	PWD PCSM SUBMISSION

DATE: \_\_\_\_\_  
DESCRIPTION: \_\_\_\_\_

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave.  
Philadelphia, PA 19143

PROJECT #: 2020297-00  
SCALE: 1" = 20'  
FORMAT: 30" X 42"  
DRAWN: JYL  
CHECKED: JG  
DATE: 04/07/2023

SHEET NAME:  
**POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS 4**

SHEET NUMBER:  
**C-655**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**

**DIGSAU**

CLIENT  
**REBUILD**  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
1223 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
1223 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

ME/P/E ENGINEER  
**dbmms**  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 297.217.1612

LIGHTING DESIGN  
**The Lighting Practice**  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
**Dharan Consulting**  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 610.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
**DataBase+**  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.315.0557  
www.databasplus.com



APPROVAL STAMP AREA

# DIGSAU

CLIENT  
REBUILD  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
CITY OF PHILADELPHIA  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
DIGSAU  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
Ground Reconsidered  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

MEP/P E ENGINEER  
dbHMS  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 297.217.1912

LIGHTING DESIGN  
The Lighting Practice  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
Dharam Consulting  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 810.554.6560

ENVIRONMENTAL CONSULTANT  
Brightfields, Inc.  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
DataBase+  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.315.0557  
www.databasedplus.com

PROFESSIONAL ENGINEER  
EXPIRES: 09-30-2023  
SIGNATURE  
04/14/2023  
DATE

3	04/07/2023	100% CD ISSUE
2	3/29/2023	PWD PCSM RESUBMISSION 1
1	1/12/2023	PWD PCSM SUBMISSION
△	DATE:	DESCRIPTION:

## FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave.  
Philadelphia, PA 19143

PROJECT #:	2020297-00
SCALE:	1" = 20'
FORMAT:	30" X 42"
DRAWN:	JYL
CHECKED:	JCG
DATE:	04/07/2023

### SHEET NAME: POST CONSTRUCTION STORMWATER MANAGEMENT DETAILS 4

SHEET NUMBER:  
**C-656**  
PROJECT PHASE:  
CONSTRUCTION DOCUMENTS

Project: Francis J. Myers Recreation Center - Redevelopment											Design Storm = 10 Year		10-YEAR STORM CALCULATIONS							
Job #: 2020297-00											Design Storm Intensity = 6.96									
System: Stormwater Network Pipe Schedule																				
By: JYL											Date: 02/15/23									
Rev: JCG											Date: 02/15/23									
Chk by: JCG											Date: 02/15/23									
POST-DEVELOPMENT STORM RUNOFF											STORM SEWER DESIGN									
Pipe ID No.	Inlet / MH From	Grate/Rim Elevation OUT (ft.)	Invert Elevation OUT (ft.)	Inlet / MH To	Grate/Rim Elevation IN (ft.)	Invert Elevation IN (ft.)	Area (acres)	Total Area (acres)	Time Conc. (min)	Runoff "C"	Intensity "I" (in/hr)	Q10 (cfs)	Mannings "n"	Material	Length (ft.)	Size (in.)	Grade (ft./ft.)	Full Flow Velocity (fps)	Full Flow Capacity (cfs)	
Pipe 100	Inlet 1	78.59	76.17	MH 150	79.9	75.77	0.26	0.26	6.00	0.75	6.96	1.36	0.012	DIP	40.00	12	1.00%	4.93	3.87	
Pipe 101	MH 150	79.9	75.77	MH 151	78.8	75.17						-	0.012	DIP	60.00	12	1.00%	4.93	3.87	
Pipe 102	MH 151	78.8	75.17	Basin 001 (IN)	80.37	74.50						-	0.012	DIP	67.00	12	1.00%	4.93	3.87	
Pipe 200	Inlet 2	79.6	74.56	Basin 001 (IN)	80.37	74.50	0.19	0.19	6.00	0.78	6.96	1.04	0.012	DIP	6.00	12	1.00%	4.93	3.87	
Pipe B-001	Basin 001 (Outlet)	80.37	74.40	Pipe 001	79.95	74.18	See SW Report for Pondpack Calculations, 10 Yr Peak:					1.20	0.012	DIP	12.00	12	1.83%	6.67	5.24	
EX-01	EX Building	82.42	74.12	Cleanout	81.87	73.77	0.20	0.20	6.00	0.95	6.96	1.32	0.012	DIP	70.00	12	0.50%	3.48	2.74	
EX-02	Cleanout	81.87	73.77	MH 051	78.7	73.29						1.32	0.012	DIP	96.00	12	0.50%	3.48	2.74	
Pipe 300	RD-1, 2, & 3	82.45	79.06	MH 350	80	73.53	0.14	0.14	6.00	0.95	6.96	0.92	0.012	DIP	22.00	8	1.00%	3.76	1.31	
Pipe 302	Inlet 3	79.65	73.1852	Pipe 302	79.6	73.1252	0.02	0.15	6.00	0.98	6.96	1.06	0.012	DIP	6.00	8	1.00%	3.76	1.31	
Pipe 301	MH350 (RD-4 & Inlet 3)	80	73.53	MH 351	78.86	73.03	0.06	0.06	6.00	0.95	6.96	2.34	0.012	DIP	50.00	12	1.00%	4.93	3.87	
Pipe 303	MH 351	78.86	73.03	Basin 002 (IN)	78.00	72.5						2.34	0.012	DIP	53.00	12	1.00%	4.93	3.87	
Pipe 500	Inlet 6	80.68	76.2	MH 550	80.40	75.38	0.09	0.09	6.00	0.80	6.96	0.51	0.012	DIP	82.00	12	1.00%	4.93	3.87	
Pipe 501	MH 550	80.40	75.38	MH 451	80.25	74.72						0.51	0.012	DIP	66.00	12	1.00%	4.93	3.87	
Pipe 400	Inlet 5	78.76	75.32	MH 450	78.20	75.09	0.06	0.06	6.00	0.85	6.96	0.37	0.012	DIP	23.00	12	1.00%	4.93	3.87	
Pipe 402	Inlet 4	77.23	75.025	Pipe 401	77.99	74.875	0.09	0.09	6.00	0.77	6.96	0.47	0.012	DIP	15.00	12	1.00%	4.93	3.87	
Pipe 401	MH 450	78.20	75.09	MH451	80.25	74.72						1.35	0.012	DIP	37.00	12	1.00%	4.93	3.87	
Pipe RD-7	RD-7	80.20	74.47	MH 452	80.15	74.23	0.05	0.05	6.00	0.98	6.96	0.35	0.012	DIP	8.00	8	3.00%	6.51	2.27	
Pipe RD-6	RD-6	80.30	74.95	Pipe 404	80.00	74.23	0.03	0.03	6.00	0.98	6.96	0.22	0.012	DIP	24.00	8	3.00%	6.51	2.27	
Pipe RD-5	RD-5	79.66	73.84	Pipe 404	78.90	73.1246	0.05	0.05	6.00	0.98	6.96	0.32	0.012	DIP	24.00	8	3.00%	6.51	2.27	
Pipe 403	MH 451	80.25	74.72	MH 452	80.15	74.16						2.23	0.012	DIP	28.00	12	2.00%	6.97	5.47	
Pipe 404	MH 452	80.15	74.16	Basin 002 (IN)	78.00	72.50						2.23	0.012	DIP	83.00	12	2.00%	6.97	5.47	
Pipe S-001	Inlet S-01	78.85	74.33	Pipe 000	79.95	73.64	Estimated Sprayground System output flow:					5.00	0.012	DIP	23.00	12	3.00%	8.53	6.70	
Pipe S-002	Inlet S-02	78.85	74.39	Pipe 000	79.9	73.79	Estimated Sprayground System output flow:					5.00	0.012	DIP	20.00	12	3.00%	8.53	6.70	
Pipe 000	EX	79.08	74.6	MH 050	79.3	74.49	Assumed flow from existing MH servicing rest of site:					12.00	0.012	DIP	11.00	24	1.00%	7.82	24.57	
Pipe 001	MH 050	79.30	74.49	MH 051	78.7	73.29						12.00	0.012	DIP	120.00	24	1.00%	7.82	24.57	
Pipe 002	MH 051	78.7	73.29	MH 052	77.84	72.79						23.32	0.012	DIP	50.00	24	1.00%	7.82	24.57	
Pipe 003	MH 052	77.84	72.79	MH 053	77.13	72.09						23.32	0.012	DIP	70.00	24	1.00%	7.82	24.57	
Pipe 004	MH 053	77.13	72.09	MH 054	76.53	71.71						23.32	0.012	DIP	38.00	24	1.00%	7.82	24.57	
Pipe B-002	Basin 002 (Outlet)	76.97	71.77	MH 054	76.53	71.71	See SW Report for Pondpack Calculations, 10 Yr Peak:					2.55	0.012	DIP	6.00	18	1.00%	6.46	11.41	
Pipe 005	MH 054	76.53	63.71	S 58th St SW Main	72.91	61.58						25.87	0.012	DIP	71.00	24	3.00%	13.55	42.56	

## 1 STORMWATER PIPE NETWORK SCHEDULE

C656 SCALE: NOT TO SCALE











CLIENT  
REBUILD  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
CITY OF PHILADELPHIA  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
DIGSAU  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
Ground Reconsidered  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

MEP/PE ENGINEER  
dbHMS  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 267.217.1612

LIGHTING DESIGN  
The Lighting Practice  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
Dharam Consulting  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 610.554.6560

ENVIRONMENTAL CONSULTANT  
Brightfields, Inc.  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
Database+  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 773.928.8276 / 312.847.1059  
www.databaseplus.com



DATE: DESCRIPTION:

## FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #: 2020  
SCALE: 1"=10'  
FORMAT: 30" X 42"  
DRAWN: AB / TM  
CHECKED: JB  
DATE: 4/7/2023

### SHEET NAME: MATERIALS PLAN ENLARGEMENT

SHEET NUMBER:  
**L2.1**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**

KEY	QUANTITY	PRODUCT NAME	MANUFACTURER	PRODUCT #
S1	4	SOLO SPURT	WATER PLAY	0010-7481
S2	2	STEADY STREAM	WATER PLAY	0010-7484
S3	1	SPLIT SPURT	WATER PLAY	0010-7482
S4	1	CONFETTI SPRAY	WATER PLAY	0010-7476

DETAIL	GRAPHIC	DESCRIPTION
		LIMIT OF DISTURBANCE
SEE 1/L-5.0		CONCRETE, PEDESTRIAN
SEE 1/L-5.0		CONCRETE, VEHICULAR
SEE CIVIL		ASPHALT PAVING
		RECYCLED WOOD CHIP, 3" THICK
SEE 5/L-5.1		CHAIN LINK FENCE
SEE 1/L-5.2		SPLIT RAIL FENCE
SEE CIVIL		MANHOLE STRUCTURE
SEE CIVIL		CLEANOUT
SEE CIVIL		INLET

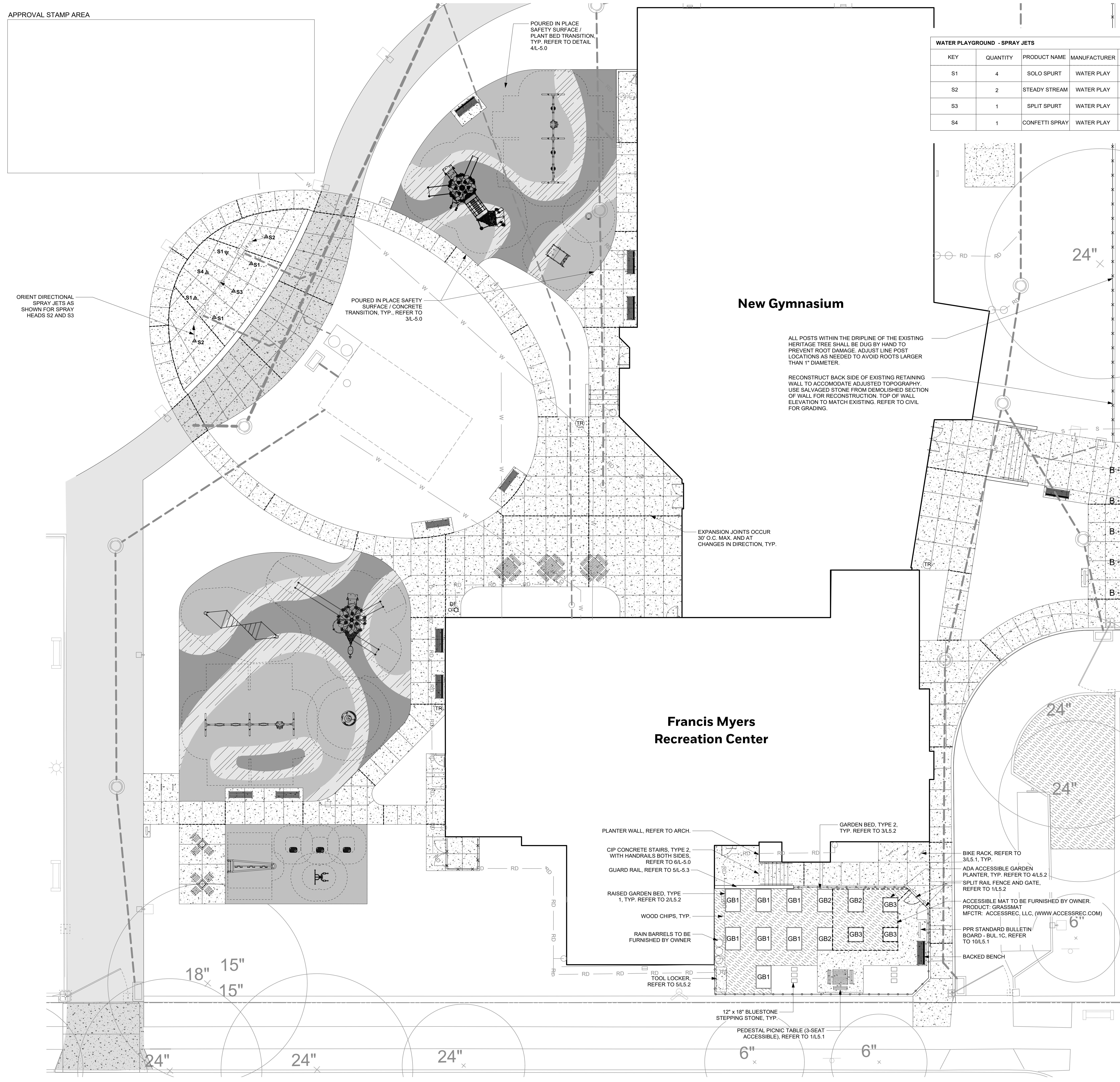
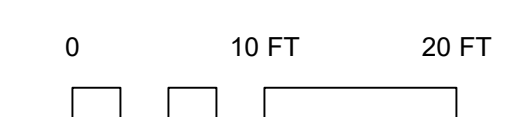
DETAIL	GRAPHIC	DESCRIPTION
SEE 2/L-5.1		BACKLESS BENCH
SEE 2/L-5.1		BACKED BENCH
SEE 4/L-5.1		TRASH RECEPTACLE
SEE 8/L-5.1		DRINKING FOUNTAIN
9/L-5.1		BOLLARD
SEE 1/L-5.1		PEDESTAL PICNIC TABLE
SIM TO 1/L-5.1		GAME TABLE
SEE MEP		SITE LIGHT POLE
SEE MEP		EXISTING SITE LIGHT POLE
SEE 3/L-5.1		BIKE RACK

SYMBOL	MATERIAL	COLOR MIXTURE
	SAFETY SURFACE COLOR A	ROYAL BLUE (33%) TEAL (33%) LIGHT GRAY (33%)
	SAFETY SURFACE COLOR B	HUNTER GREEN (33%) BRIGHT GREEN (33%) LIGHT GRAY (33%)
	BLENDING ZONE	BLEND EQUAL PARTS COLOR MIX A & B

SYMBOL	DESCRIPTION
	EXPANSION JOINT
	CONTRACTION JOINT

**NOTES**  
1. PROVIDE EXPANSION JOINT BETWEEN CONCRETE PAVING AND ANY FIXED OBJECT OR STRUCTURE INCLUDING, BUT NOT LIMITED TO, CURBS, FACES OF BUILDING, UTILITY STRUCTURES (I.E. MANHOLES, INLETS, VENTS, ETC.), FOUNDATIONS (I.E. POLE LIGHTS, BOLLARDS, ETC.).

KEY PLAN	DESCRIPTION
	EXISTING
	ADDITION



APPROVAL STAMP AREA

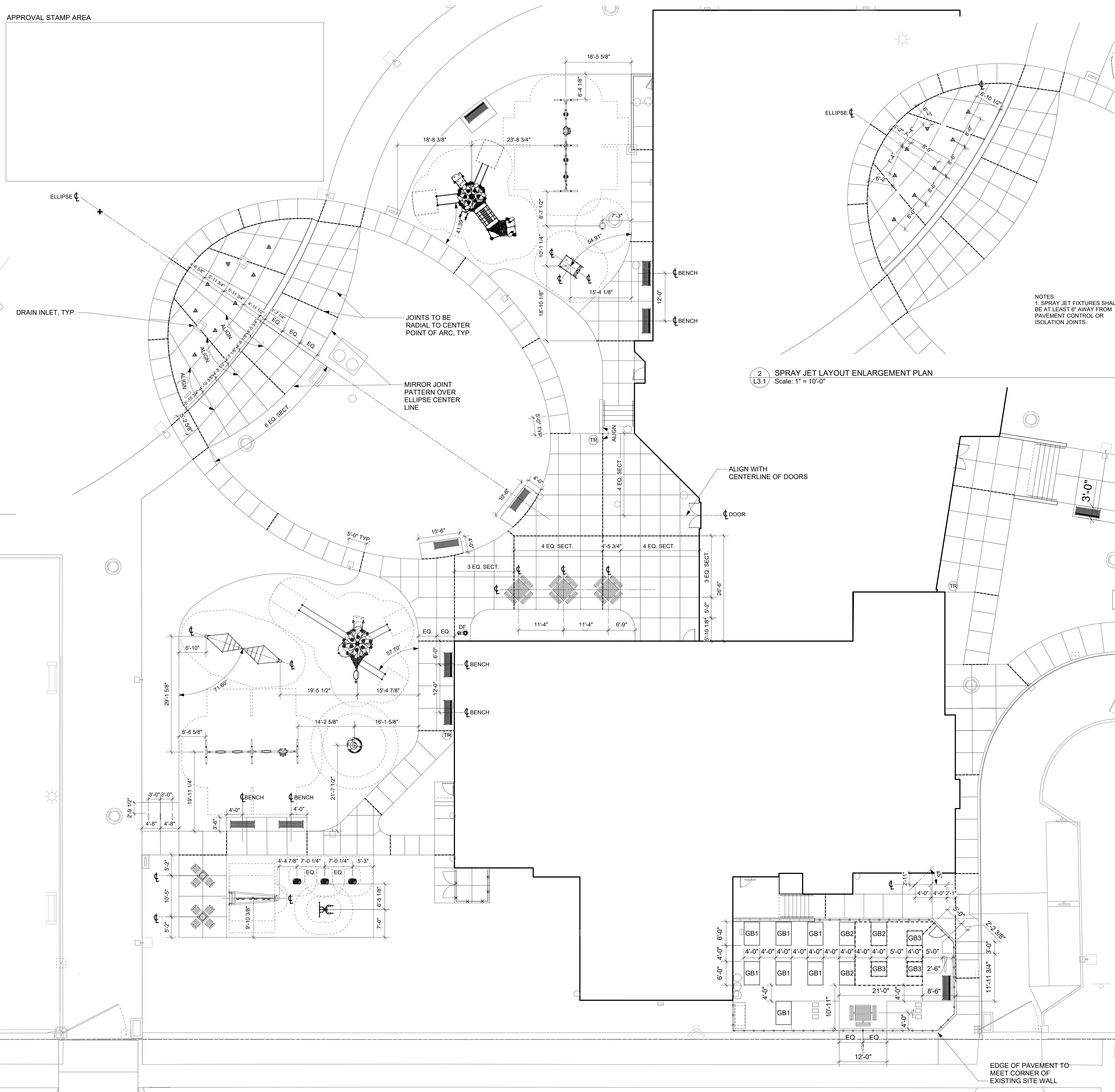
Revit version 2022.1.1 | C:\Users\mrcnigh\Documents\2020\_Francis J Myers\_100CD\_Central R2022\_v2\_lmcnigh\V\X\GW.rvt  
 2020 Francis J Myers Title Block version 2022.09.14 | Printed: 4/18/2023 4:46:54 PM







APPROVAL STAMP AREA



**LAYOUT LEGEND**

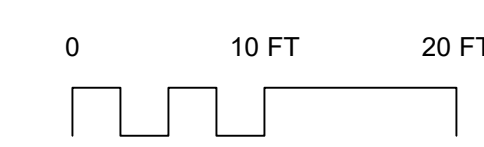
- CENTER LINE
- REFERENCE LINE
- LINEAR DIMENSION
- ANGULAR DIMENSION
- RADIAL DIMENSION
- P.O.B. POINT OF BEGINNING
- P.O.C. POINT OF CURVATURE
- ALIGN

- LAYOUT NOTES**
- ALL LINES ARE PARALLEL OR PERPENDICULAR UNLESS OTHERWISE NOTED.
  - ALL DIMENSIONS ARE SHOWN TO FACE OF MATERIALS, UNLESS SHOWN OTHERWISE.
  - V.I.F. = VERIFY IN FIELD. VERIFY ALL DIMENSIONS FROM FIELD MEASUREMENTS. VERIFY LAYOUT OF ALL PROPOSED WORK WITH EXISTING CONDITIONS. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH ANY WORK.
  - PROVIDE STAKED LAYOUT FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK.

NOTES:  
1. SPRAY JET FIXTURES SHALL BE AT LEAST 6" AWAY FROM PAVEMENT CONTROL OR ISOLATION JOINTS.

2 L3.1 SPRAY JET LAYOUT ENLARGEMENT PLAN  
Scale: 1" = 10'-0"

1 L3.1 LAYOUT ENLARGEMENT PLAN  
Scale: 1" = 10'-0"



**KEY PLAN**

- EXISTING
- ADDITION

# DIGSAU

**CLIENT**  
REBUILD  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

**OWNER**  
CITY OF PHILADELPHIA  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

**ARCHITECT**  
DIGSAU  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

**CIVIL ENGINEER**  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

**STRUCTURAL ENGINEER**  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

**LANDSCAPE ARCHITECT**  
Ground Reconsidered  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

**MEP/FP ENGINEER**  
dbHMS  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 267.217.1612

**LIGHTING DESIGN**  
The Lighting Practice  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

**COST ESTIMATING**  
Dharam Consulting  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 610.554.6560

**ENVIRONMENTAL CONSULTANT**  
Brightfields, Inc.  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

**LEED CONSULTANT**  
DataBase+  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 847.828.3128 / 312.847.1059  
www.databasedplus.com



DATE	DESCRIPTION

## FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	1"=10'
FORMAT:	30" X 42"
DRAWN:	AB / TM
CHECKED:	JB
DATE:	4/7/2023

### SHEET NAME: LAYOUT PLAN ENLARGEMENT

### SHEET NUMBER: L3.1

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**

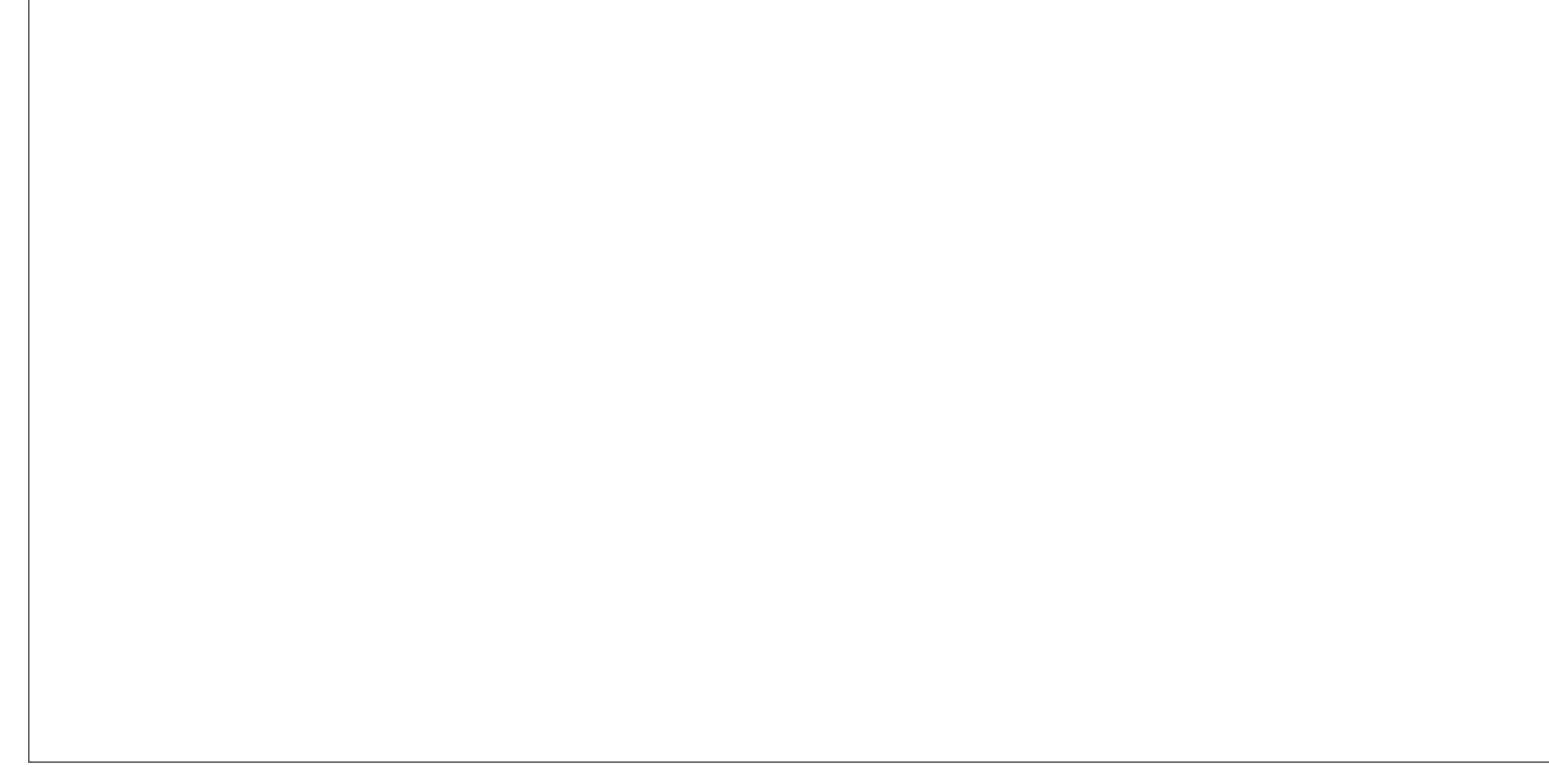
Revit version 2022.1.1 | C:\Users\jmyers\Documents\2020\_Francis J. Myers\_100CD\_Central R2022\_v2\_landscape\DWG\L3.1.rvt  
 2020 Francis J. Myers Title Block version 2022.09.14 | Printed: 4/18/2023 4:46:54 PM







APPROVAL STAMP AREA



OVERALL PLANT SCHEDULE

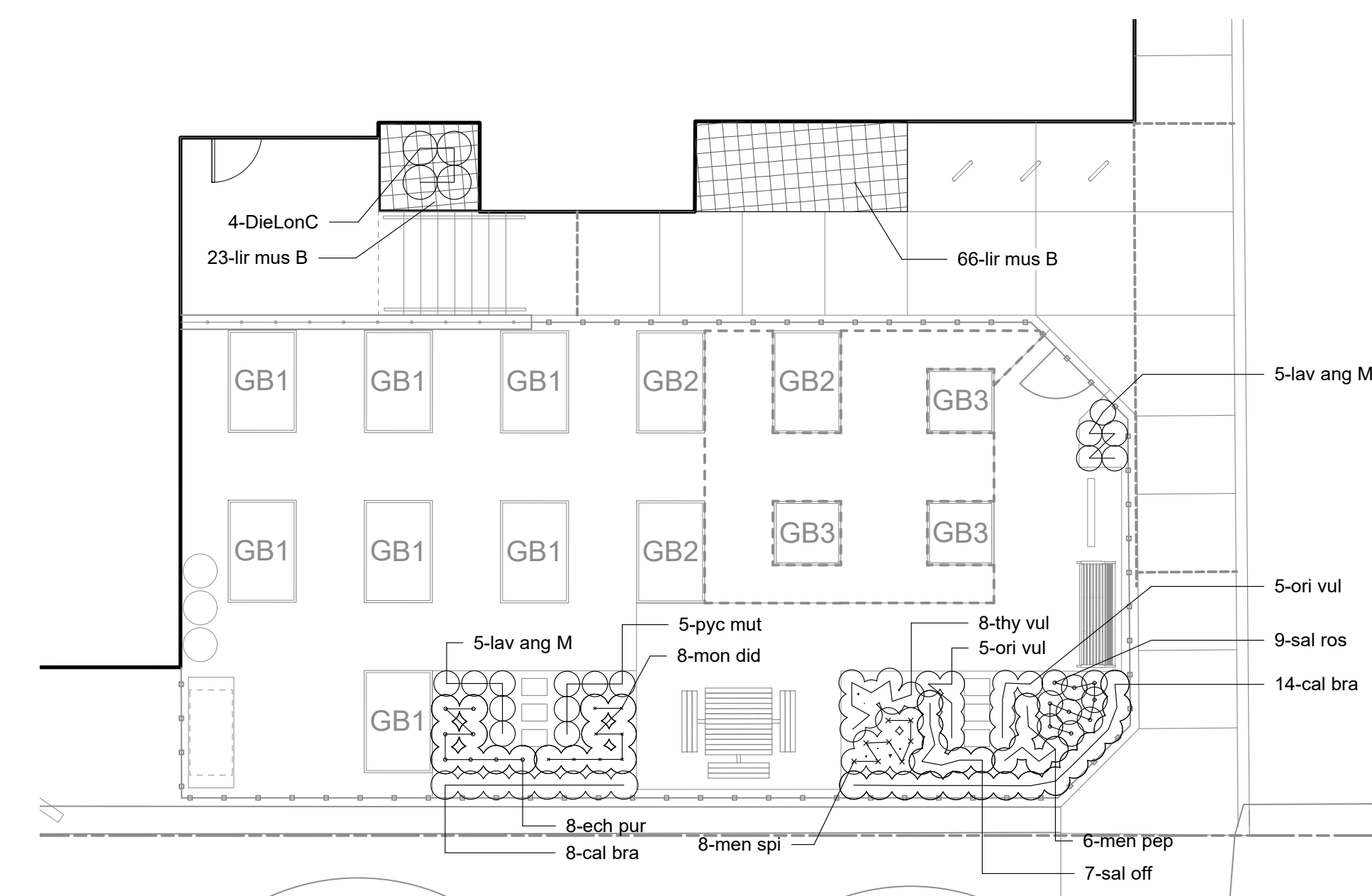
Qty	Id	Botanical Name	Common Name	Size	Spacing	Spacing
<b>Canopy Trees</b>						
1	ARF	<i>Acer rubrum 'Franksred'</i>	Multi-stem Red Sunset Maple	3-1/2" cal.	As Shown	Multi-stem, Specimen Quality, B&B
4	NS	<i>Nyssa sylvatica</i>	Blackgum	2" - 2 1/2" cal.	As Shown	Specimen Quality, B&B
3	OV	<i>Ostrya virginiana</i>	American Hop Hornbeam	2 1/2" - 3" cal.	As Shown	Specimen Quality, B&B
1	PAB	<i>Platanus x acerifolia 'Exclamation'</i>	London Plane Tree	2 1/2" - 3" cal.	As Shown	Specimen Quality, B&B
4	QB	<i>Quercus bicolor</i>	Swamp White Oak	2 1/2" - 3" cal.	As Shown	Specimen Quality, B&B
2	QP	<i>Quercus phellos</i>	Willow Oak	2 1/2" - 3" cal.	As Shown	Specimen Quality, B&B
4	QS	<i>Quercus shumardii</i>	Shumard Oak	2" - 2 1/2" cal.	As Shown	Specimen Quality, B&B
4	TA	<i>Tilia americana</i>	American Basswood	2 1/2" - 3" cal.	As Shown	Specimen Quality, B&B
<b>Ornamental Trees</b>						
6	AGa	<i>Amelanchier grandiflora 'Autumn Brilliance'</i>	Autumn Brilliance Serviceberry	8' - 10' ht.	As Shown	Specimen Quality, B&B, Multistem
2	CCA	<i>Cercis canadensis</i>	Eastern Redbud	2.5" - 3" cal.	As Shown	Specimen Quality, B&B
8	CKe	<i>Cladrastis kentuckea</i>	Yellowwood	2 1/2" - 3" cal.	As Shown	Specimen Quality, B&B
2	MVh	<i>Magnolia virginiana 'Moonglow'</i>	Moonglow Sweet Bay Magnolia	8' - 10' ht.	As Shown	Specimen Quality, B&B, Multistem
<b>Shrubs</b>						
61	AroMeiLM	<i>Aronia melanocarpa 'UCONNAM165'</i>	Landscape Mound Black Chokeberry	#5	As Shown	
10	DieLonC	<i>Diervilla lonicera 'Copper'</i>	Bush Honeysuckle	#5	As Shown	
<b>Ornamental Grasses</b>						
22	cal bra	<i>Calamagrostis brachytricha</i>	Feather Reed Grass	#2		
<b>Perennials</b>						
8	ech pur	<i>Echinacea purpurea</i>	Purple Coneflower	#1	12" o.c.	
10	lav ang M	<i>Lavandula angustifolia 'Munstead'</i>	Munstead Lavender	#2	18" o.c.	
2306	lir mus B	<i>Liriope muscari 'Big Blue'</i>	Big Blue Lilyturf	#1	12" o.c.	
6	men pep	<i>Mentha peperita</i>	Peppermint	#1	18" o.c.	
8	men spi	<i>Mentha spicata</i>	Spearmint	#1	12" o.c.	
8	mon did	<i>Monarda didyma</i>	Beebalm	#1	18" o.c.	
10	ori vul	<i>Origanum vulgare</i>	Organic	#1	12" o.c.	
5	pyc mut	<i>Pyenanthemum muticum</i>	Mountain Mint	#2	18" o.c.	
7	sal off	<i>Salvia officinalis</i>	Common Sage	#1	12" o.c.	
9	sal ros	<i>Salvia rosmarinus</i>	Rosemary	#1	18" o.c.	
8	thy vul	<i>Thymus vulgaris</i>	Garden Thyme	#1	18" o.c.	
1116	vin min	<i>Vinca minor</i>	Periwinkle	#1	12" o.c.	

OVERALL TREE REMOVAL, PRESERVATION & REPLACEMENT

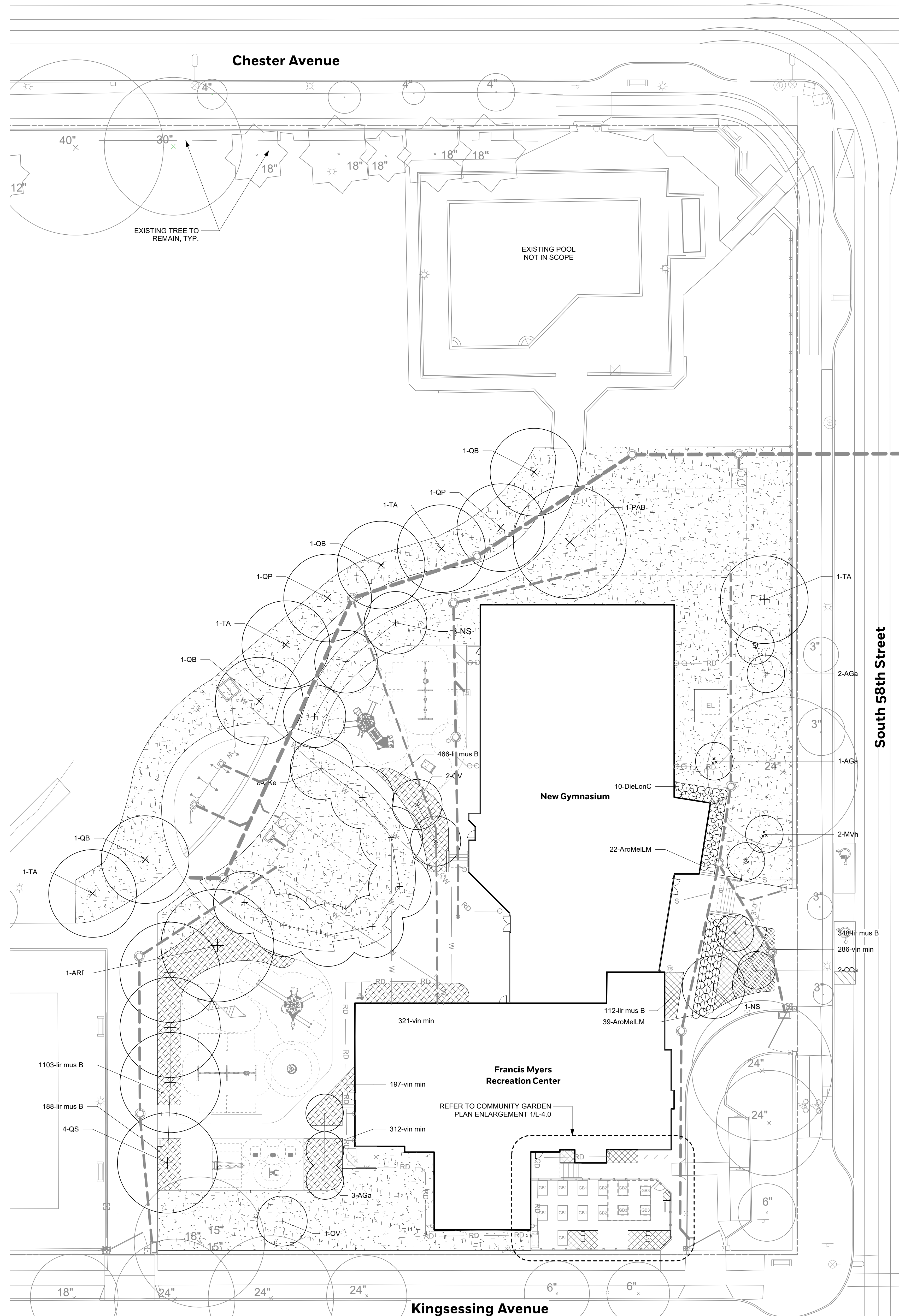
DESCRIPTION	QTY.	CALIPER (IN.)
EXISTING NON-HERITAGE TREES TO BE REMOVED	11	78
EXISTING HERITAGE TREES TO BE REMOVED	1	24
TREES TO BE PRESERVED OVER 12" DBH	4	48
TREES TO BE PRESERVED OVER 8" TO 12" DBH	0	-
TREES TO BE PRESERVED 5" TO 8" DBH	1	5
TREES TO BE PRESERVED UNDER 5" DBH	0	-
PROPOSED TREES @ 2.5" CAL.	39	102.5
CREDIT FOR PRESERVED TREES	-	53

TREE TABULATION NOTES

- TOTAL TREE REPLACEMENT REQUIRED = 102" (DBH)  
TOTAL REPLACEMENT TREES PROVIDED = 102.5 (CALIPER INCHES)
- 1 OF THE 11 EXISTING NON-HERITAGE TREES PROPOSED FOR REMOVAL IS DEAD.
- PER PHILADELPHIA ZONING ORDINANCE SECTION 14-705 (1):  
TREES TO BE PRESERVED OVER 12" DBH RECEIVE 12 CREDITS.  
TREES TO BE PRESERVED OVER 8" TO 12" DBH RECEIVE 8 CREDITS.  
TREES TO BE PRESERVED 5" TO 8" DBH RECEIVE 5 CREDITS.  
TREES TO BE PRESERVED UNDER 5" DBH RECEIVE 0 CREDITS.  
CREDIT FOR PRESERVED TREES DOES NOT INCLUDE INVASIVE TREE SPECIES AND TREES IN POOR HEALTH.
- REFERENCE MORRIS ARBORETUM TREE INVENTORY, 22.02.16
- ONLY TREES WITHIN A 50 FOOT OFFSET FROM THE LIMIT OF DISTURBANCE HAVE BEEN INCLUDED IN PRESERVATION TABULATIONS. EXISTING TREES BEYOND THIS BOUNDARY ARE CONSIDERED OUTSIDE THE INFLUENCE OF THE PROJECT.



1 COMMUNITY GARDEN ENLARGEMENT PLAN  
Scale: 1/8" = 1'-0"



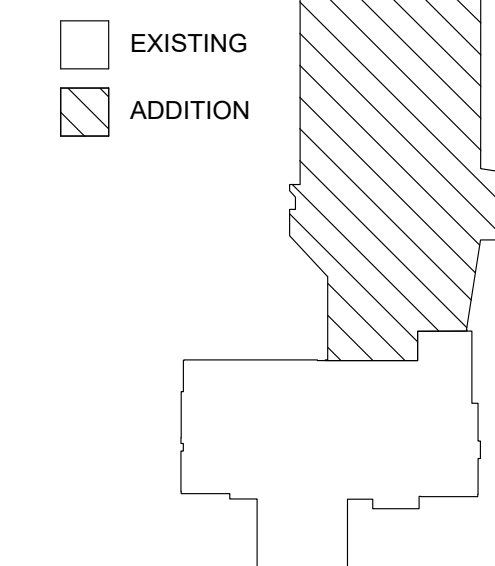
PLANTING LEGEND

- LIMIT OF DISTURBANCE
- EXISTING DECIDUOUS TREE TO REMAIN
- EXISTING EVERGREEN TREE TO REMAIN
- PROPOSED CANOPY TREE
- PROPOSED ORNAMENTAL TREE
- ▨ PROPOSED GROUND COVER  
12" O.C. SPACING
- ▨ LAWN RESTORATION - SEED

PLANTING NOTES

- REFER TO SHEET L-5.2 FOR PLANTING NOTES AND DETAILS
- PROVIDE PLANTING SOIL AT THE FOLLOWING DEPTHS:  
PROPOSED TREES - 36" (6" DIAMETER AROUND TREE)  
PLANT BEDS - 18"  
LAWN RESTORATION - 6"  
REFER TO SPECIFICATIONS FOR PLANTING SOIL MIX.

KEY PLAN



0 20 FT 40 FT

DIGSAU

CLIENT  
REBUILD  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
CITY OF PHILADELPHIA  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
DIGSAU  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
Ground Reconsidered  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

MEP/EP ENGINEER  
dbHMS  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 267.217.1612

LIGHTING DESIGN  
The Lighting Practice  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
Dharam Consulting  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 610.554.6560

ENVIRONMENTAL CONSULTANT  
Brightfields, Inc.  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
DataBase+  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 847.847.1059  
www.databaseplus.com



DATE: DESCRIPTION:

FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #: 2020  
SCALE: 1"=20"  
FORMAT: 30" X 42"  
DRAWN: AB / TM  
CHECKED: JB  
DATE: 4/7/2023

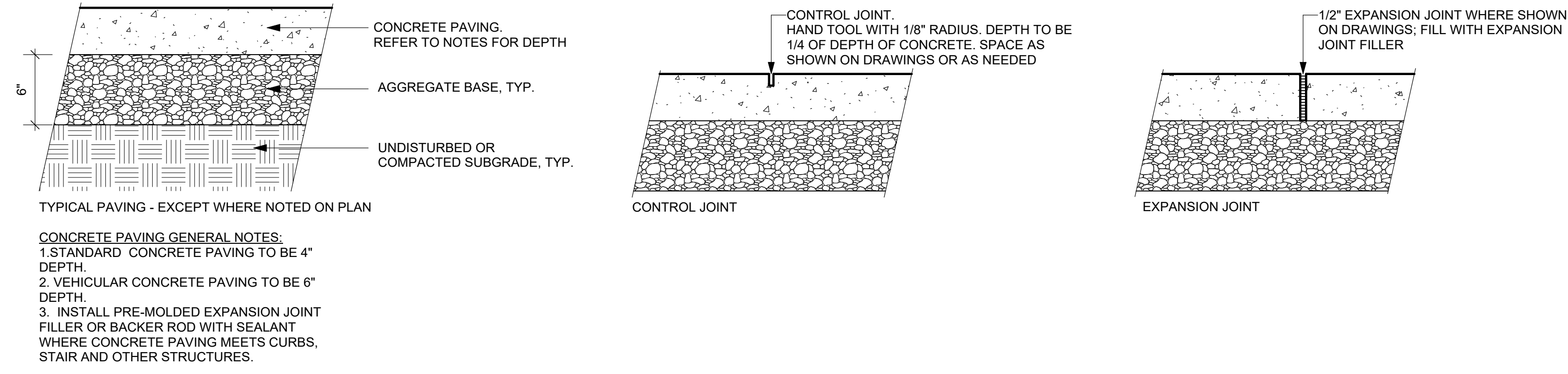
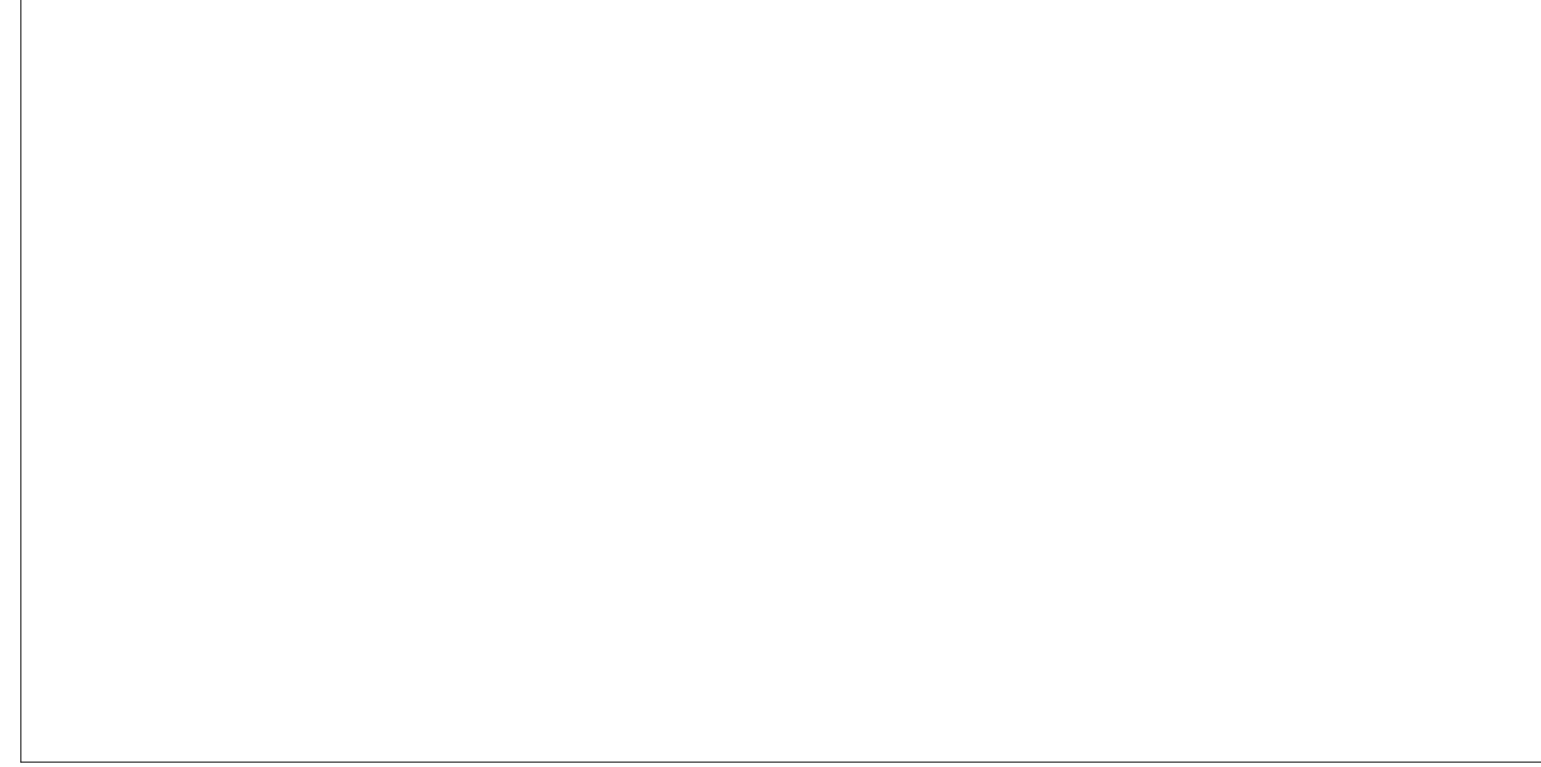
SHEET NAME:  
PLANTING PLAN

SHEET NUMBER:  
L4.0

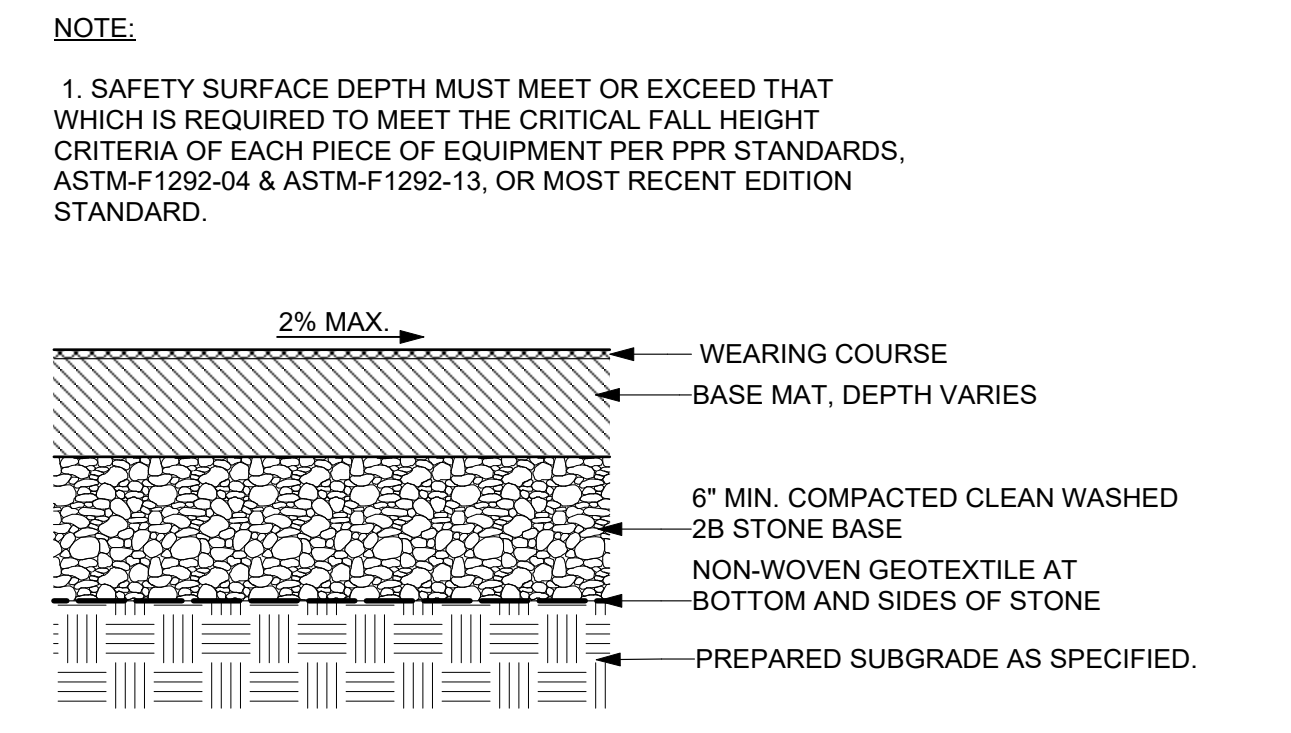
PROJECT PHASE:  
CONSTRUCTION DOCUMENTS



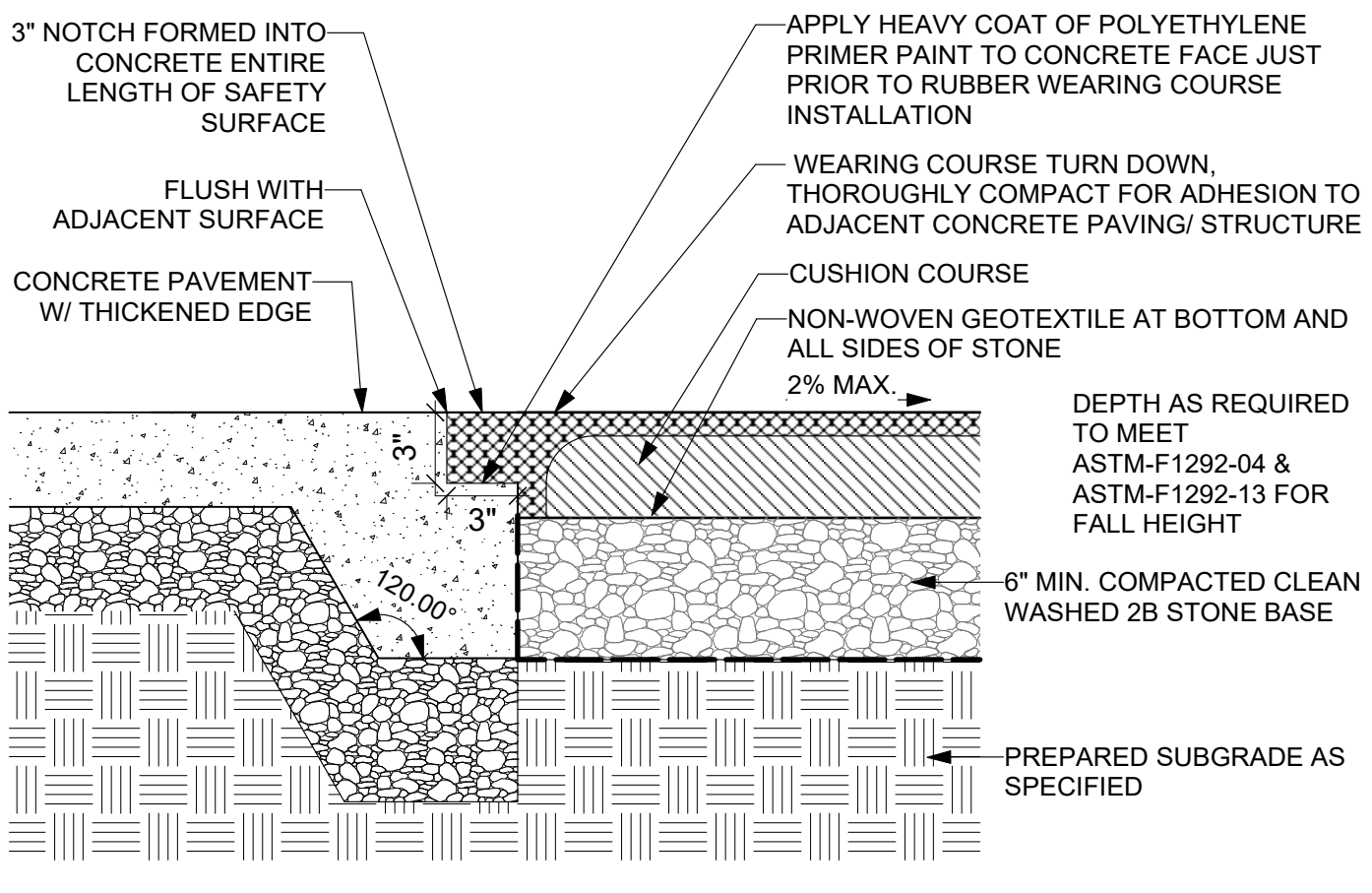
APPROVAL STAMP AREA



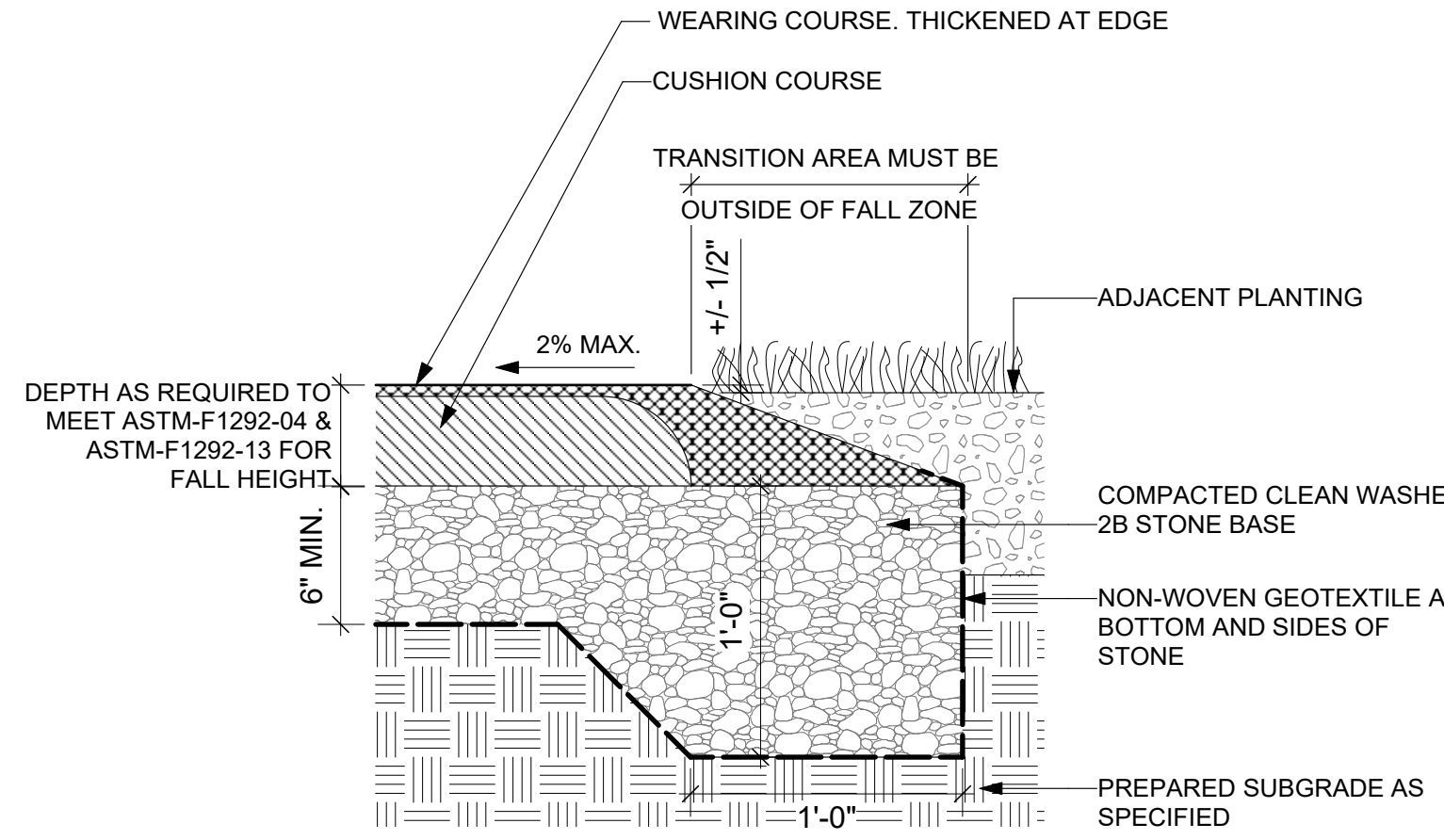
1 CONCRETE PAVING  
 Scale: 1 1/2" = 1'-0"



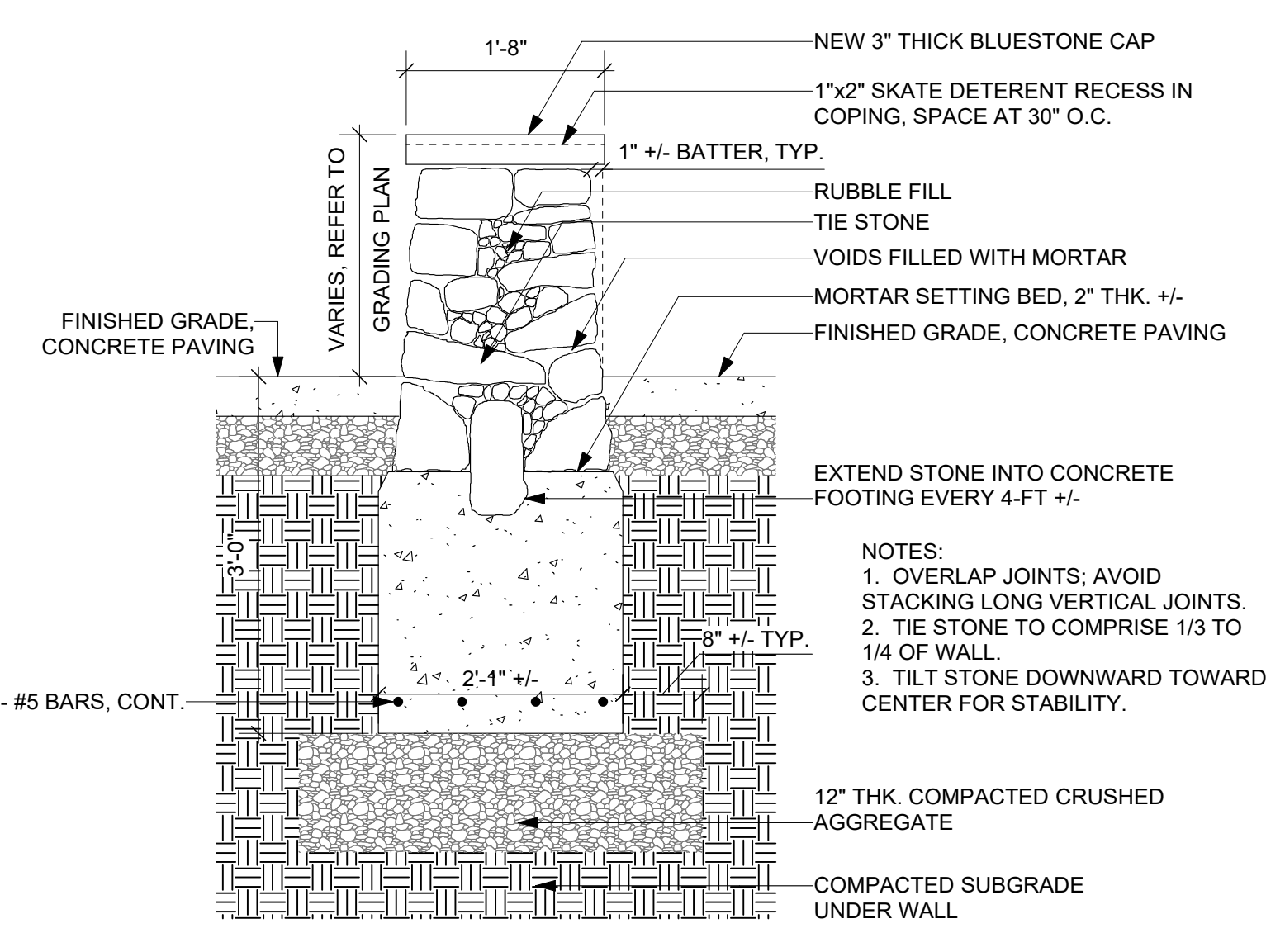
2 POURED IN PLACE POROUS RUBBER SAFETY SURFACE, TYP.  
 Scale: 1 1/2" = 1'-0"



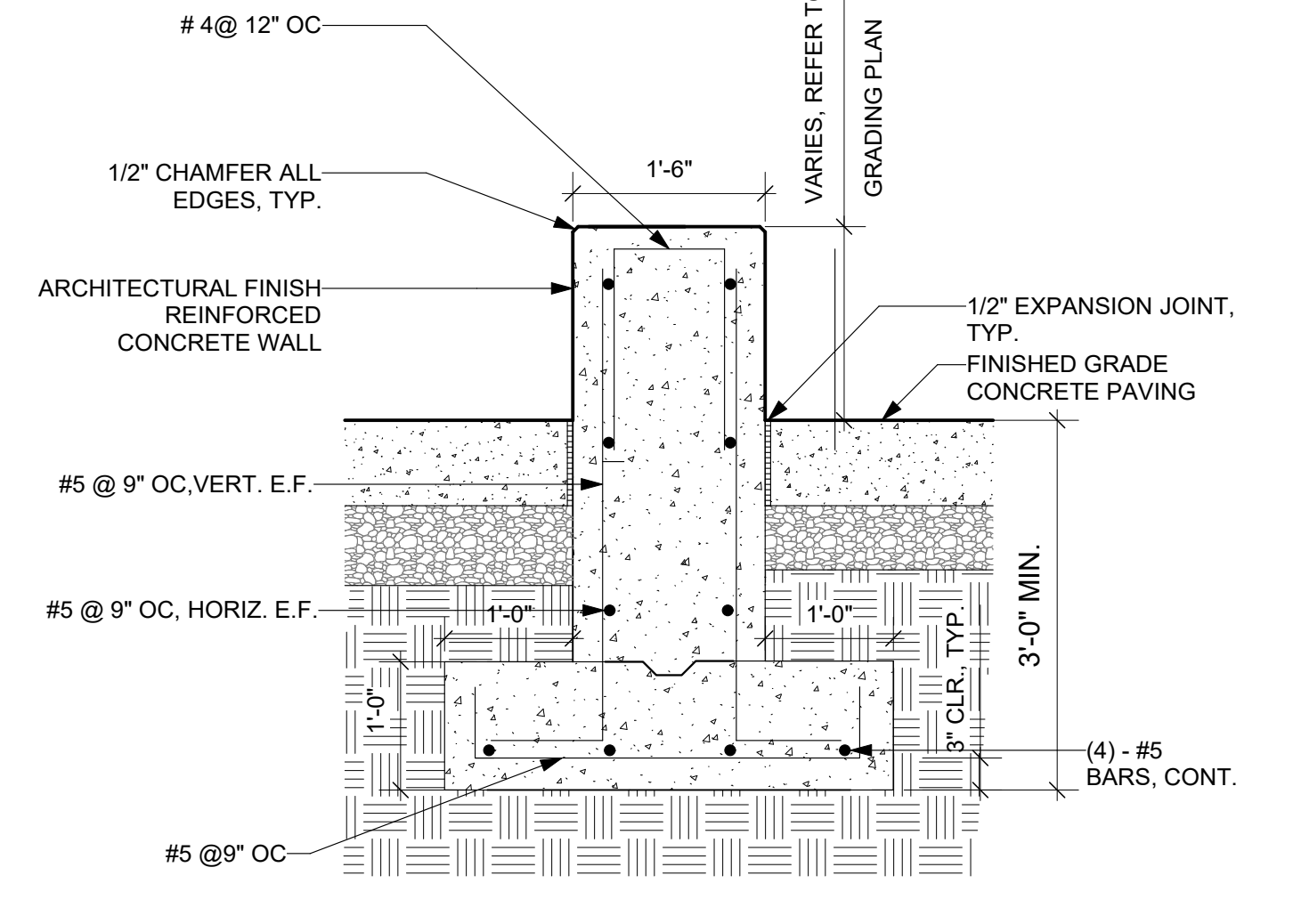
3 POURED IN PLACE RUBBER SAFETY SURFACE / CONCRETE TRANSITION  
 Scale: 1 1/2" = 1'-0"



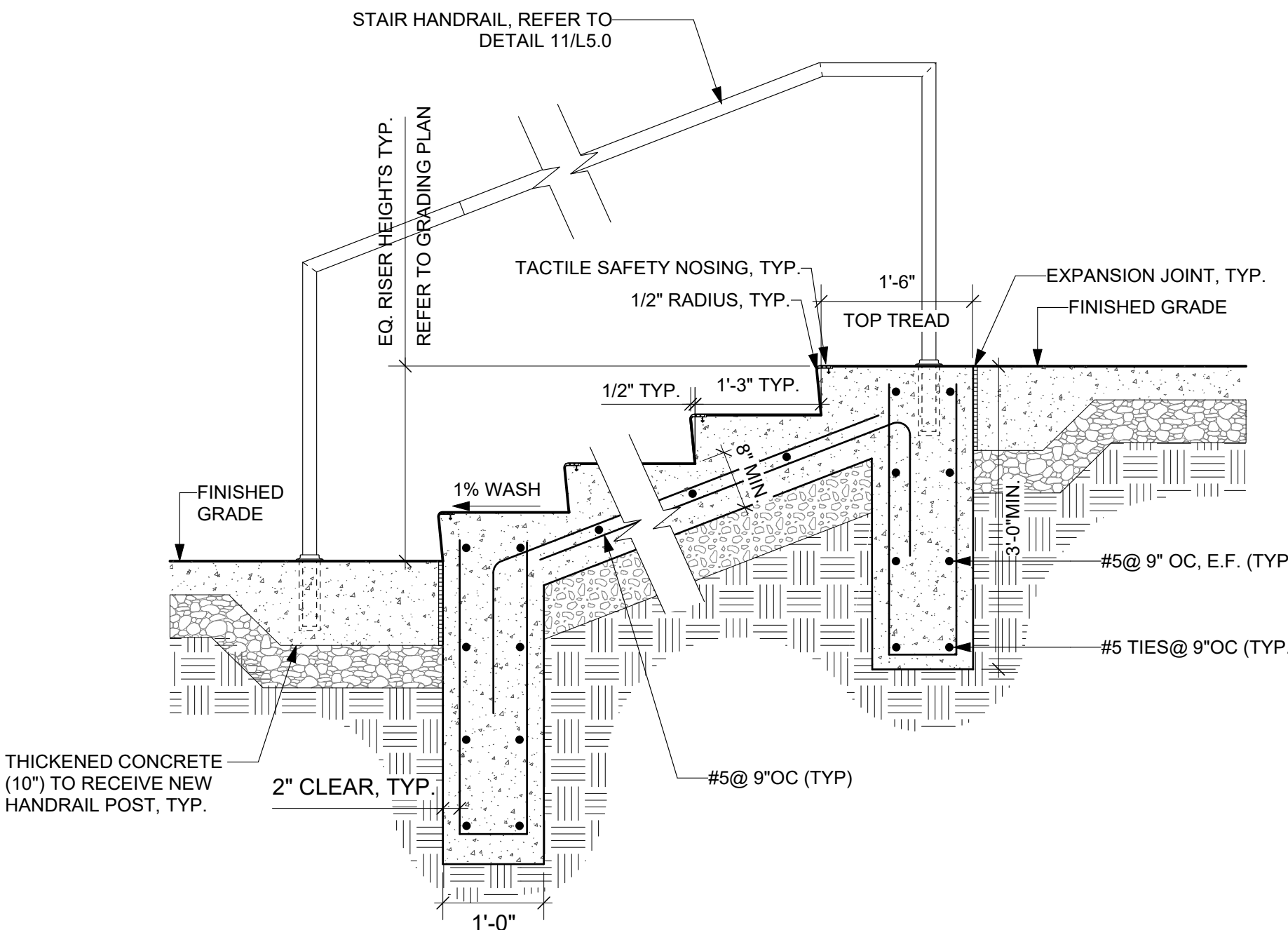
4 POURED IN PLACE RUBBER SAFETY SURFACE / PLANT BED TRANSITION  
 Scale: 1 1/2" = 1'-0"



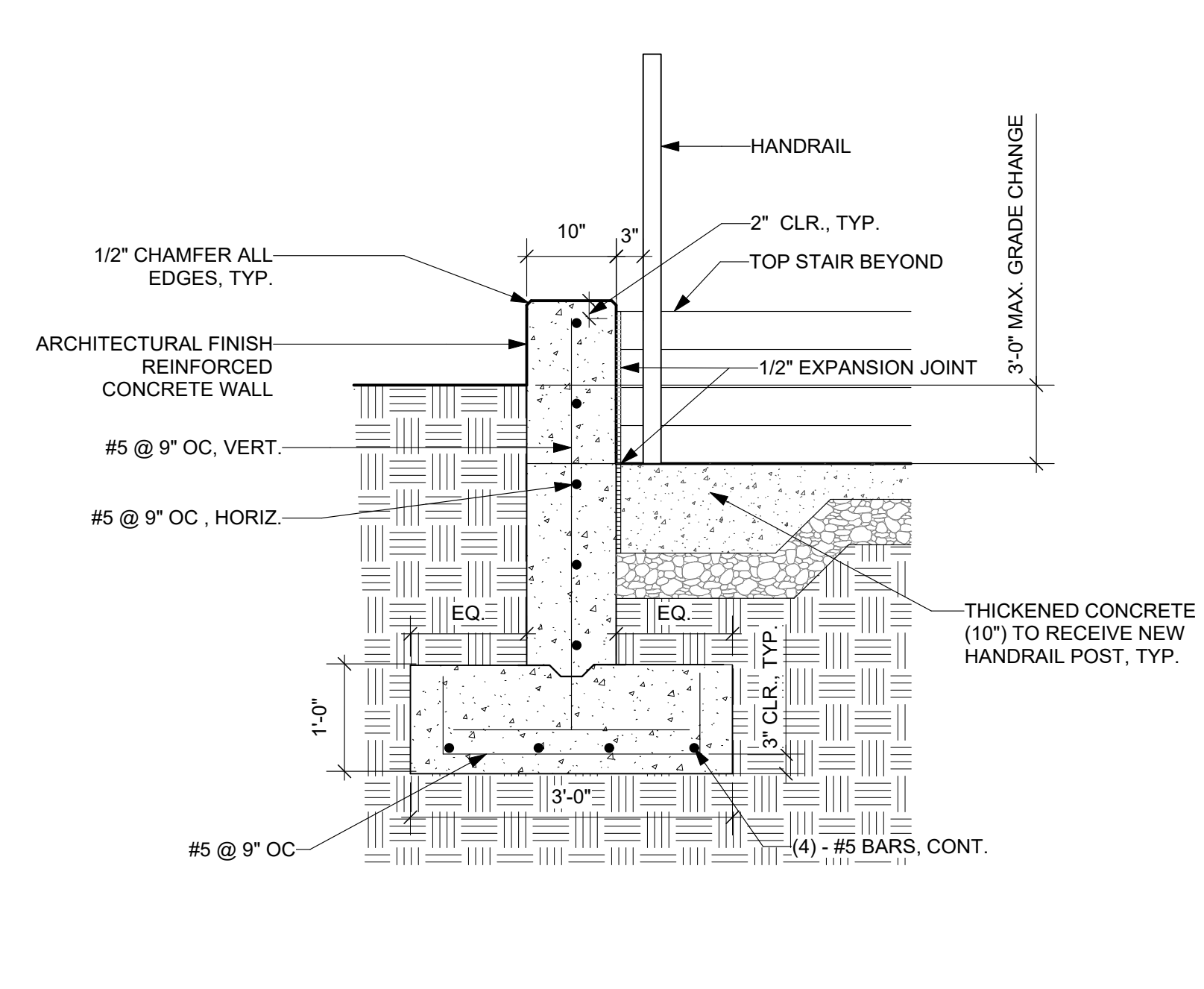
5 ADD ALTERNATE #4 - SALVAGED FIELDSTONE SEATWALL  
 Scale: 3/4" = 1'-0"



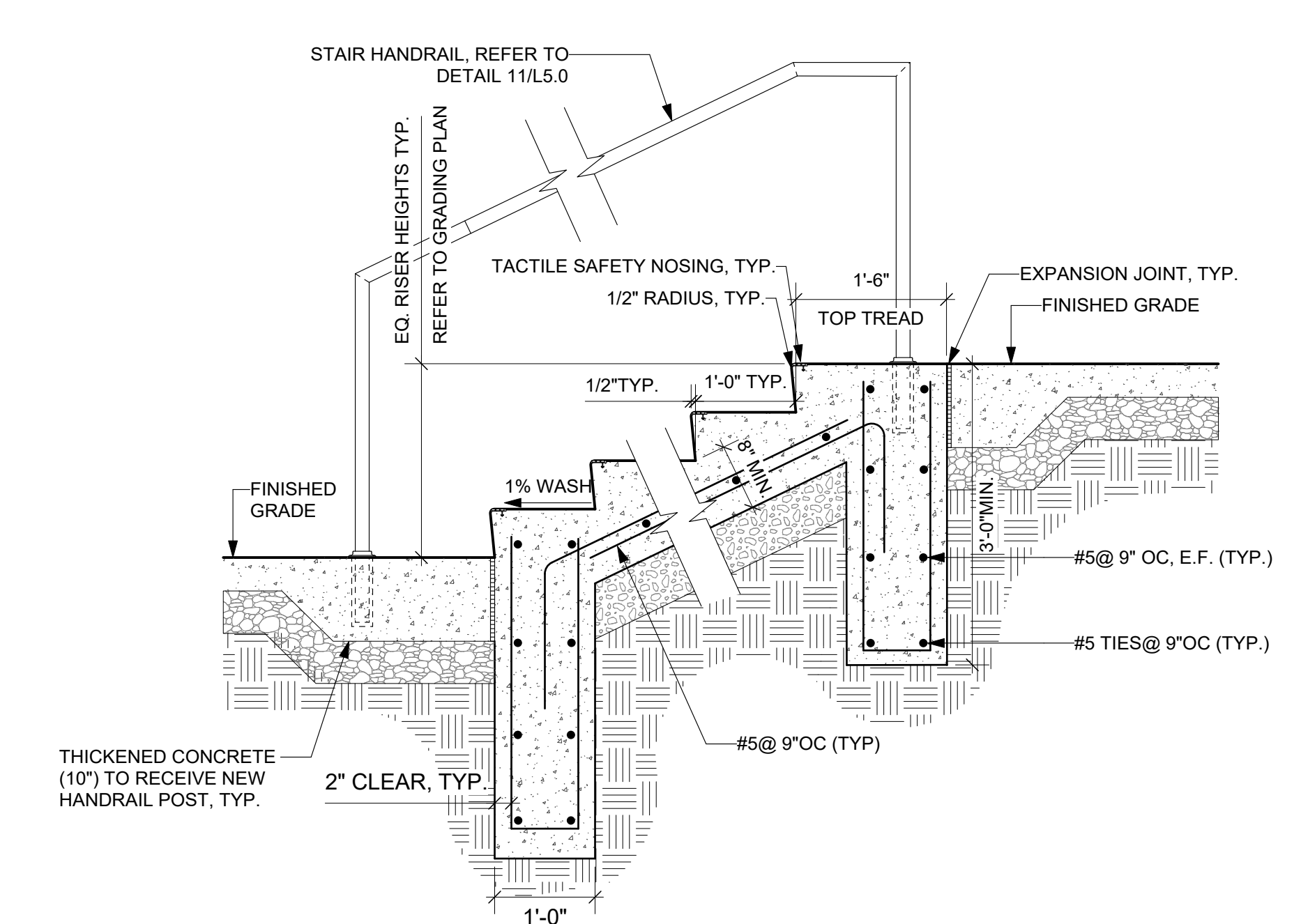
6 CIP CONCRETE SEATWALL  
 Scale: 3/4" = 1'-0"



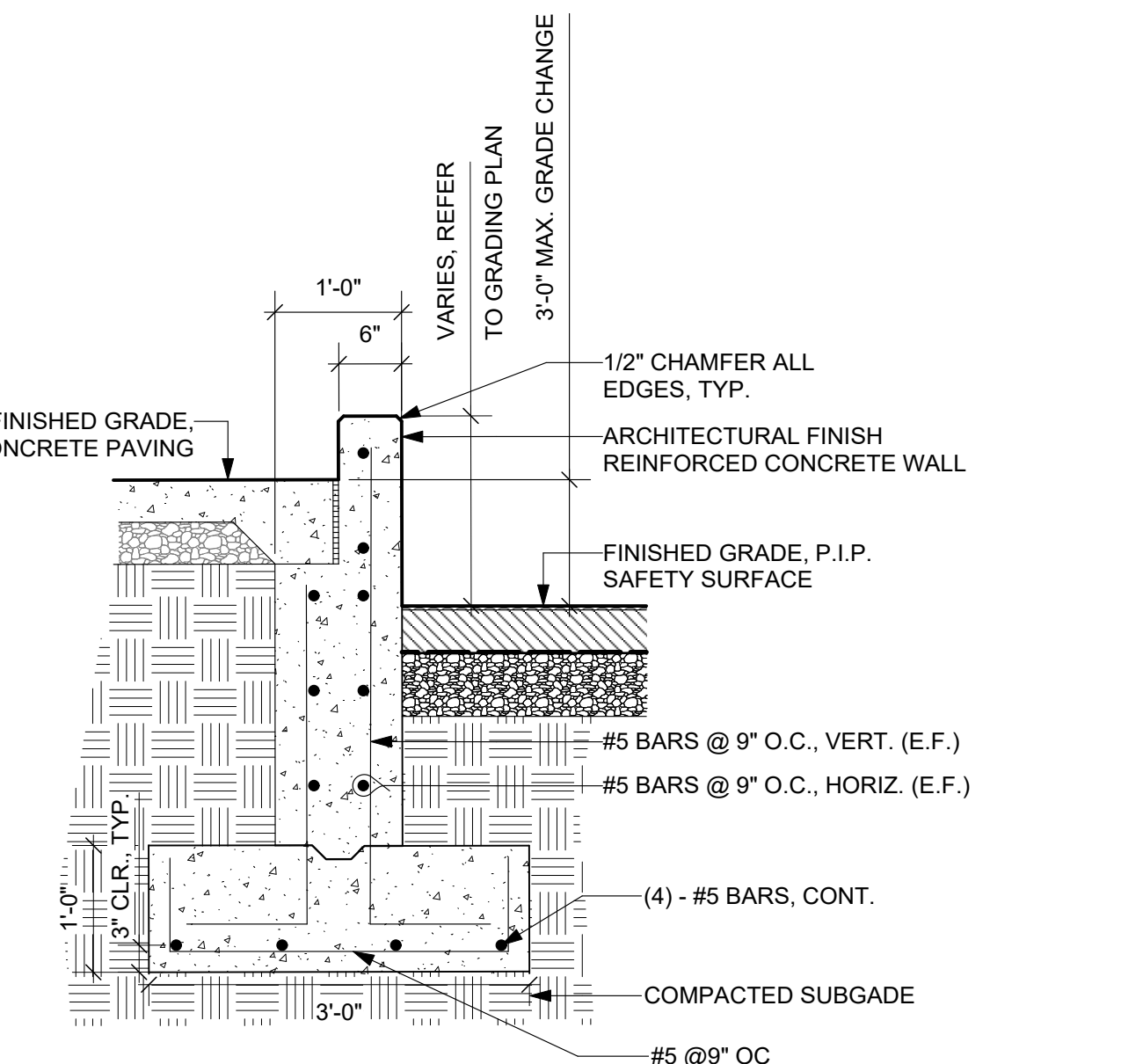
7 CIP CONCRETE STAIRS, TYPE 1  
 Scale: 3/4" = 1'-0"



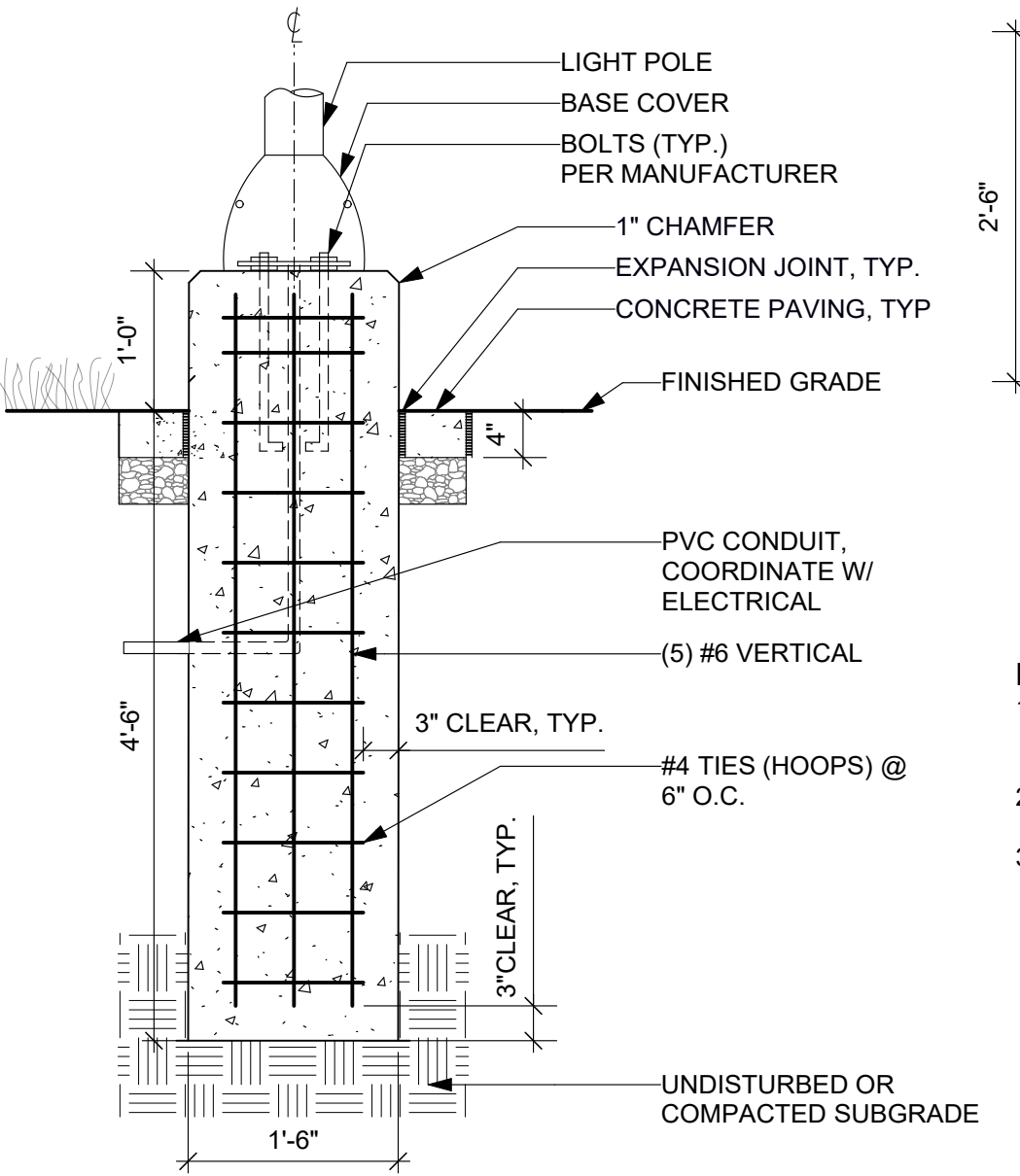
8 CIP CONCRETE CHEEKWALL  
 Scale: 3/4" = 1'-0"



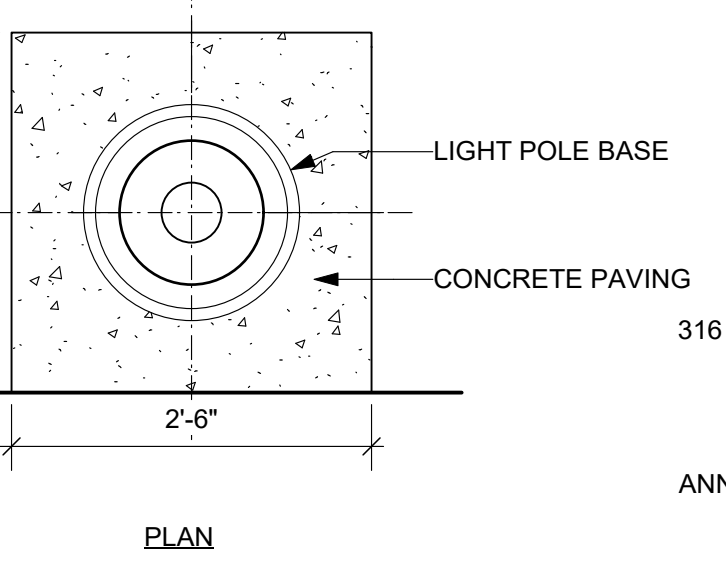
9 CIP CONCRETE STAIRS, TYPE 2  
 Scale: 3/4" = 1'-0"



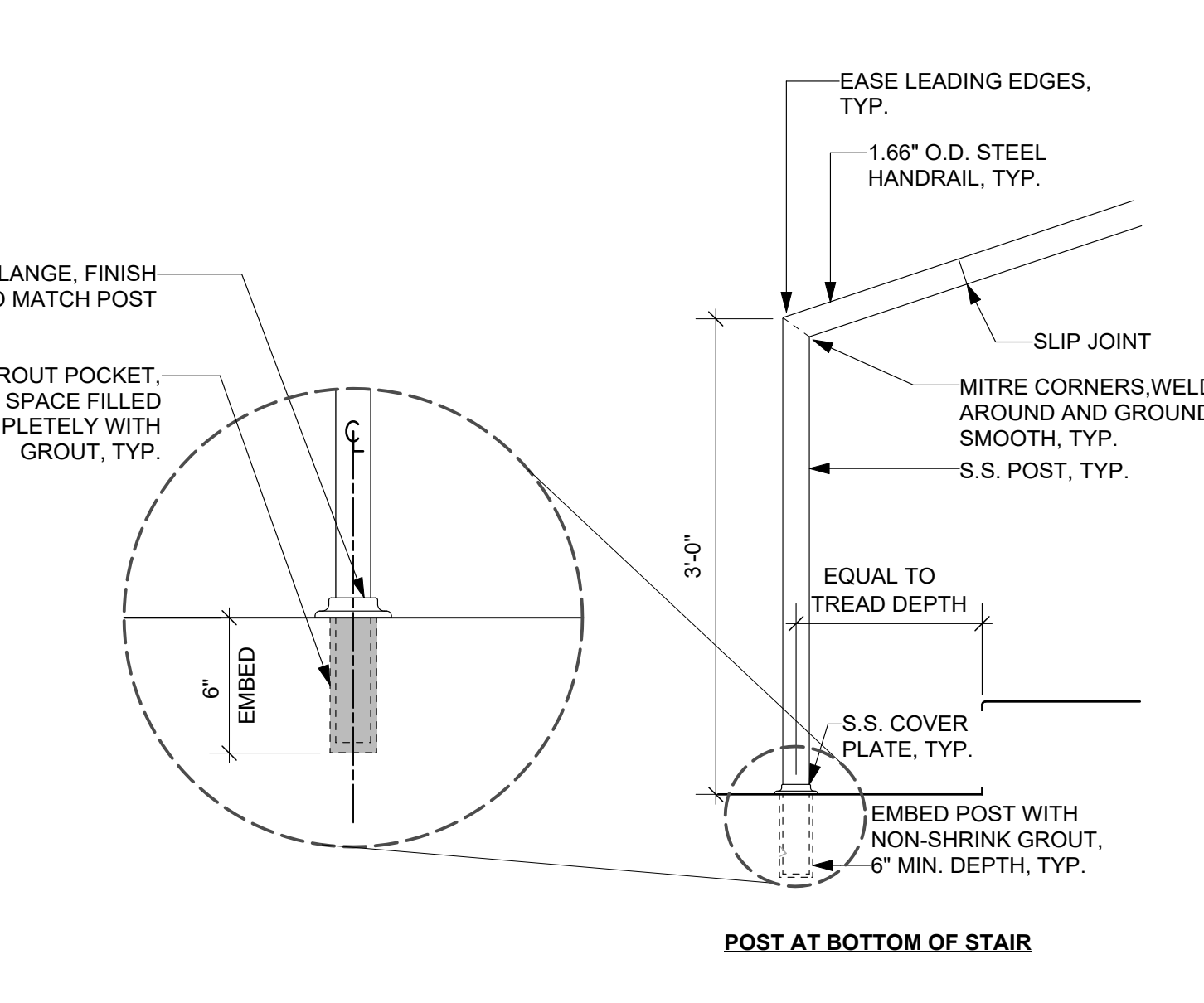
11 CAST IN PLACE CONCRETE RETAINING WALL  
 Scale: 3/4" = 1'-0"



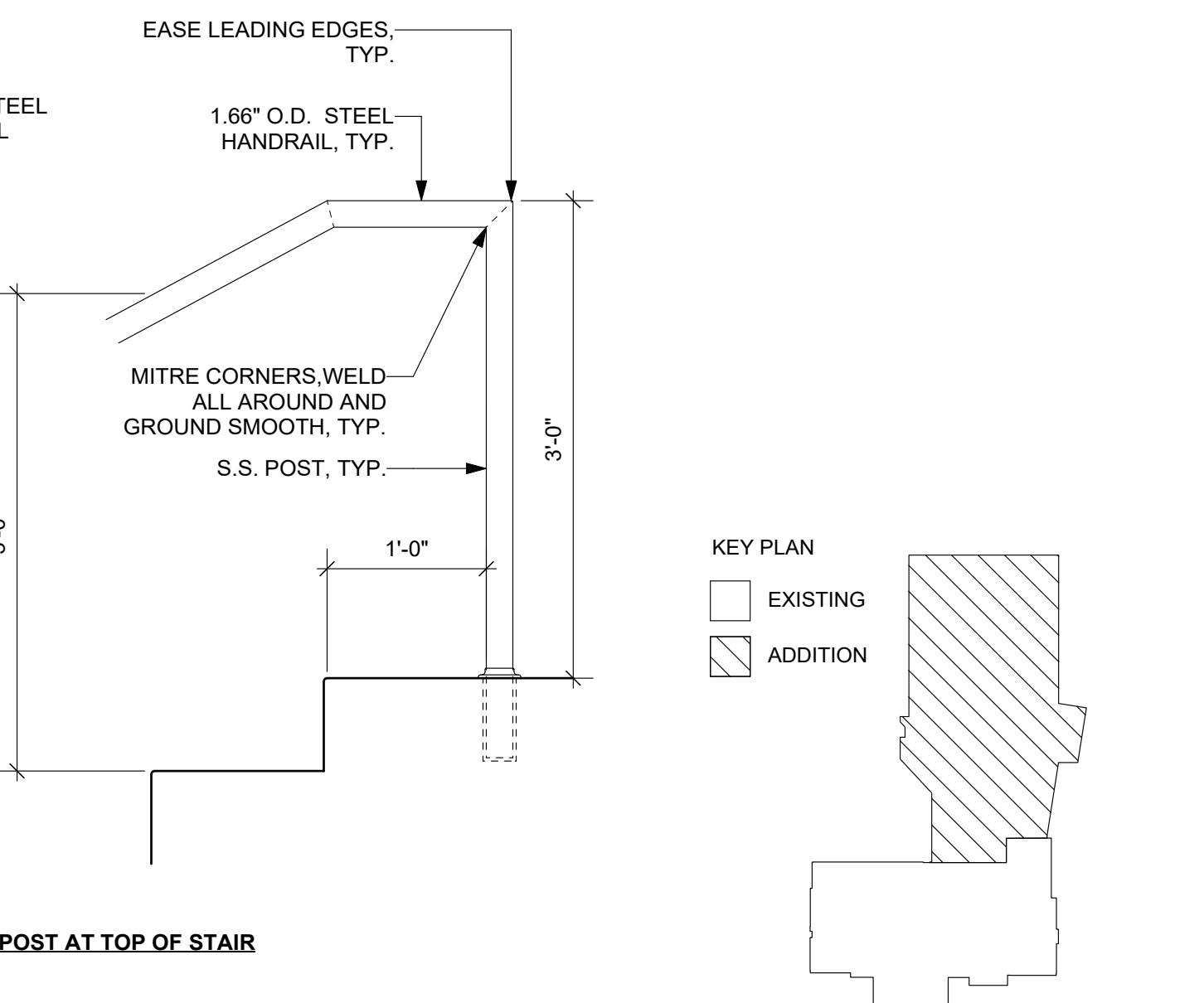
12 LIGHT POST FOUNDATION  
 Scale: 3/4" = 1'-0"



**NOTES:**  
 1. CONCRETE STRENGTH SHALL BE MINIMUM 3,500 PSI @ 28 DAYS. PROVIDE 3" OF CONCRETE COVER OVER ALL REINFORCEMENT BARS.  
 2. REFER TO ELECTRICAL DRAWINGS FOR CONDUIT, JUNCTION BOX, WIRING AND GROUNDING.  
 3. REFER TO LIGHTING PLAN AND SCHEDULE FOR LUMINAIRE TYPE AND MOUNTING HEIGHT.



13 STAIR HANDRAIL  
 Scale: 1" = 1'-0"



POST AT TOP OF STAIR

**DIGSAU**

CLIENT  
 REBUILD  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

OWNER  
 CITY OF PHILADELPHIA  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

ARCHITECT  
 DIGSAU  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

CIVIL ENGINEER  
 David Mason & Associates  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

STRUCTURAL ENGINEER  
 David Mason & Associates  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

LANDSCAPE ARCHITECT  
 Ground Reconsidered  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

MEP/EP ENGINEER  
 dbHMS  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.1612

LIGHTING DESIGN  
 The Lighting Practice  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

COST ESTIMATING  
 Dharam Consulting  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 610.554.6560

ENVIRONMENTAL CONSULTANT  
 Brightfields, Inc.  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

LEED CONSULTANT  
 Database+  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.847.1059\*  
 www.databasedplus.com

DATE:	DESCRIPTION:

OWNER  
 FRANCIS J. MYERS  
 RECREATION CENTER  
 SITE AND BUILDING  
 IMPROVEMENTS  
 5800 Chester Ave  
 Philadelphia, PA 19143

PROJECT #: 2020  
 SCALE: 1"=20"  
 FORMAT: 30" X 42"  
 DRAWN: AB / TM  
 CHECKED: JB  
 DATE: 4/7/2023

SHEET NAME:  
**SITE DETAILS**

SHEET NUMBER:  
**L5.0**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**

Revit version 2022.1.1 C:\Users\jmyers\Documents\2020\_Francis J. Myers - L5.0\_CD\_Central R2022\_v2\_bmc\cadd\DWG\L5.0.rvt  
 2020 Francis J. Myers Title Block version 2022.09.14 | Printed: 4/18/2023 4:46:54 PM











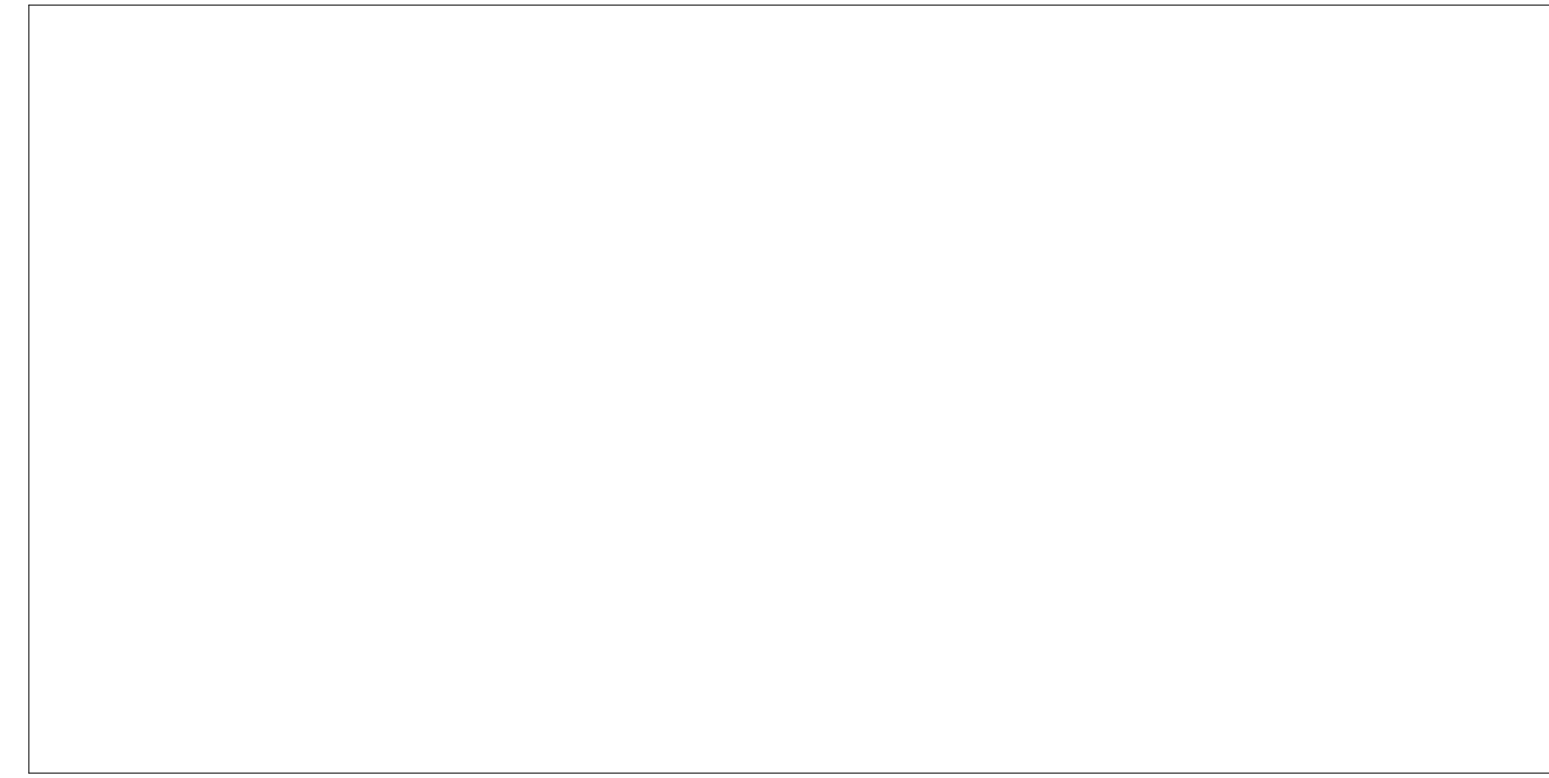




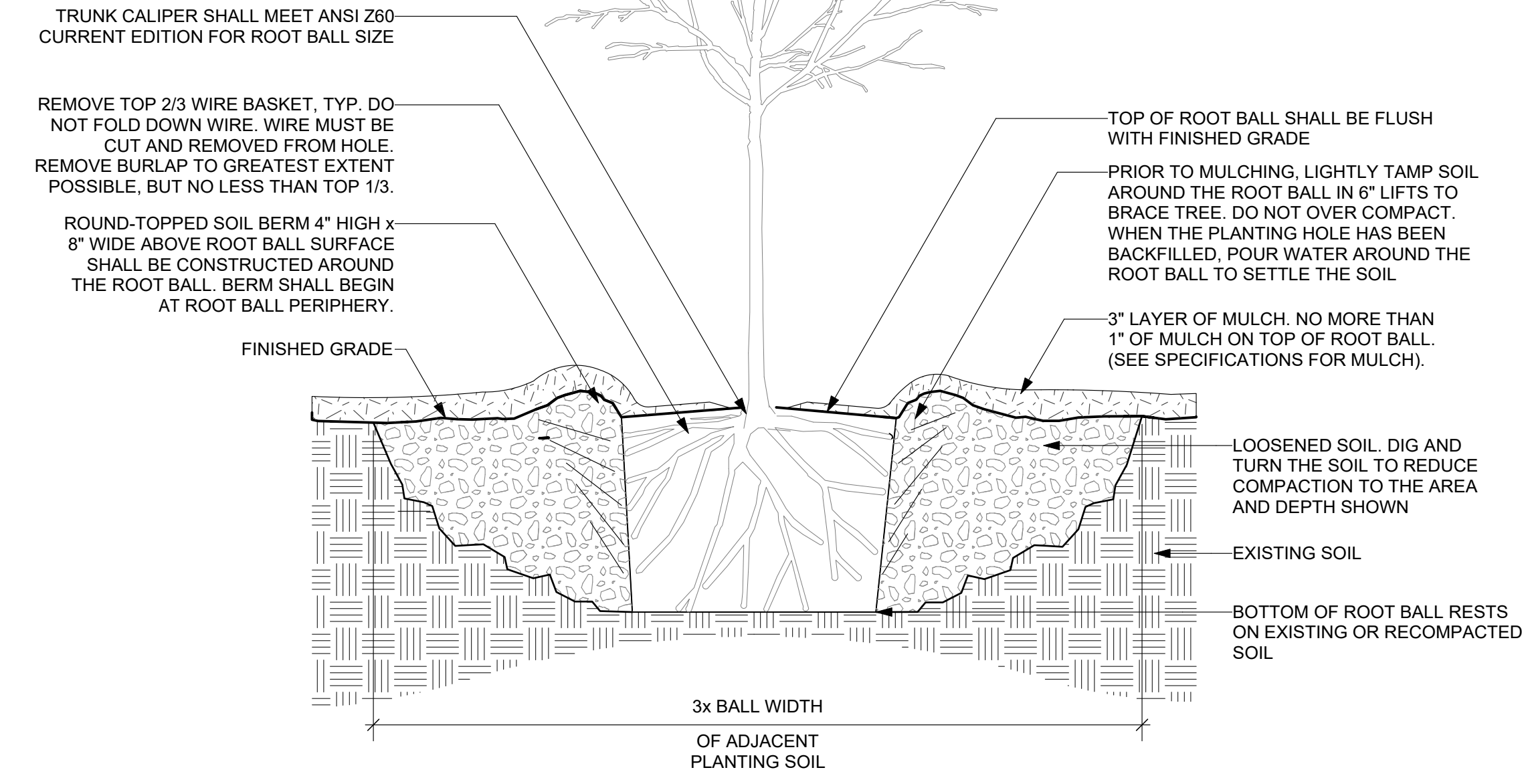




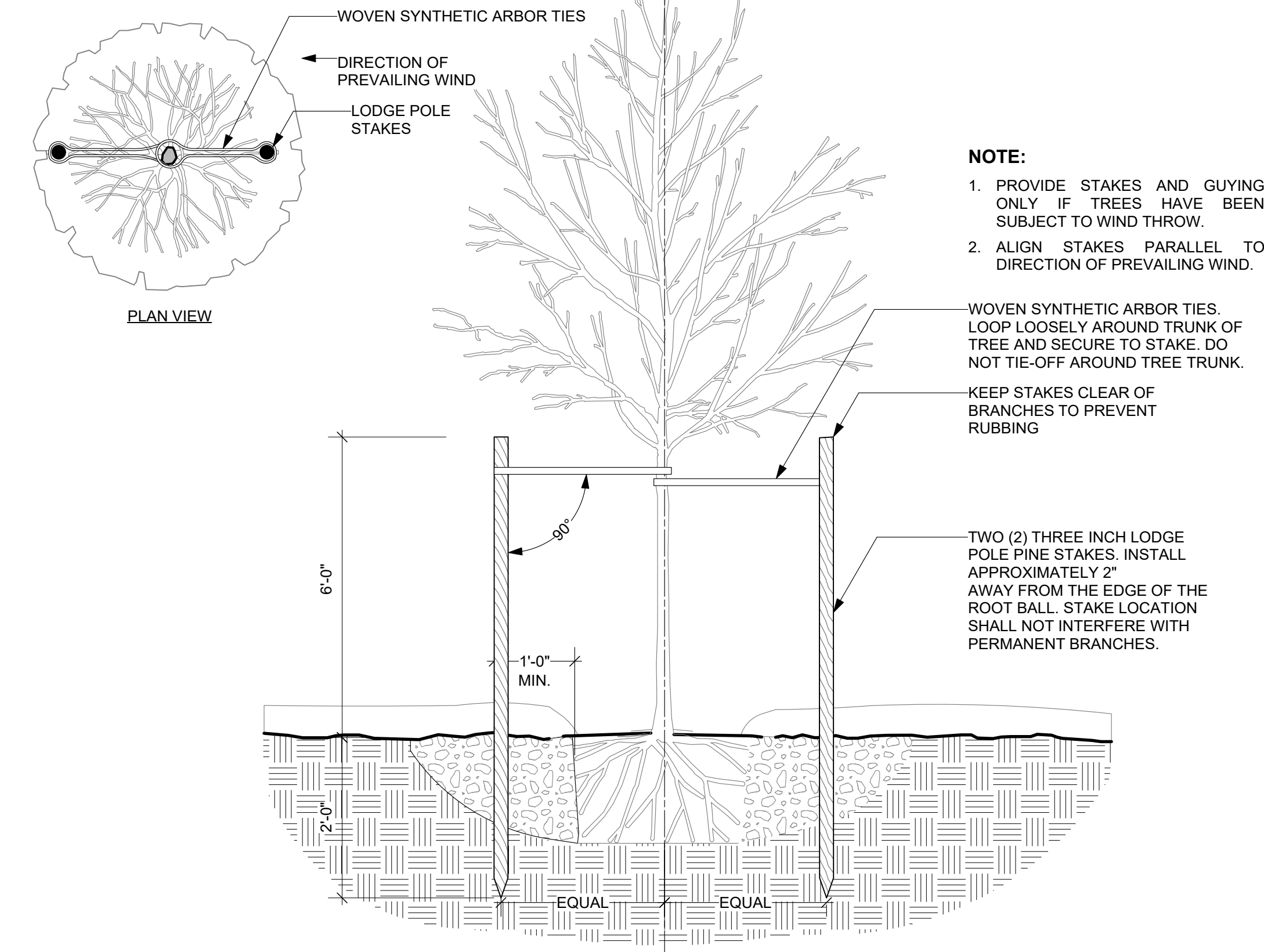
APPROVAL STAMP AREA



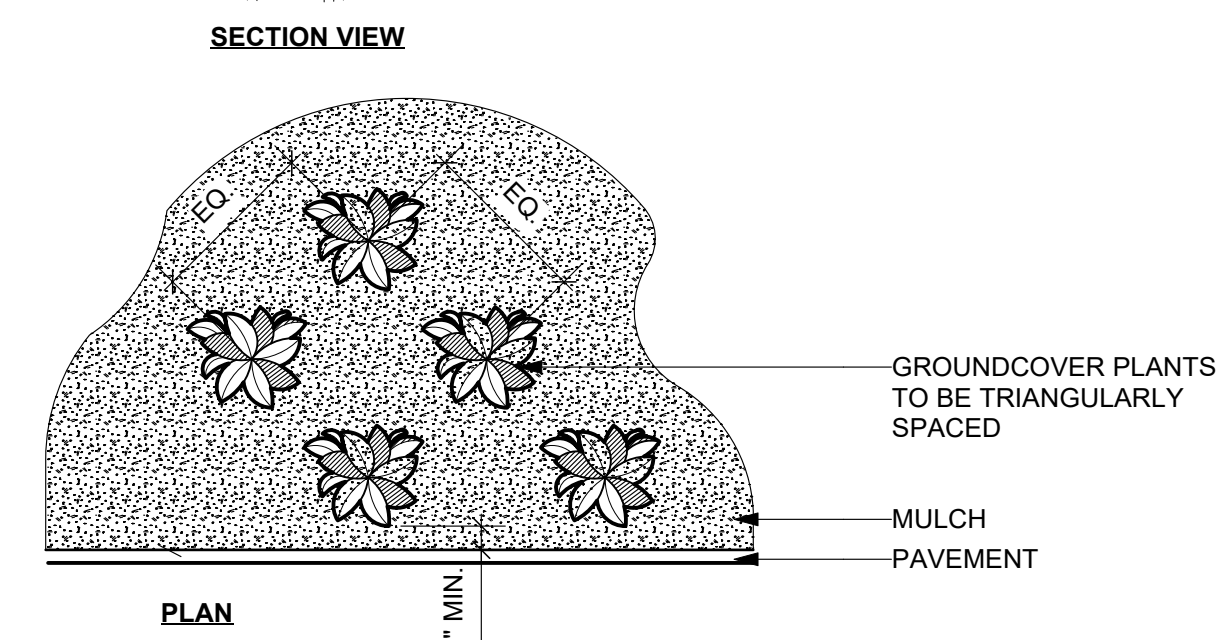
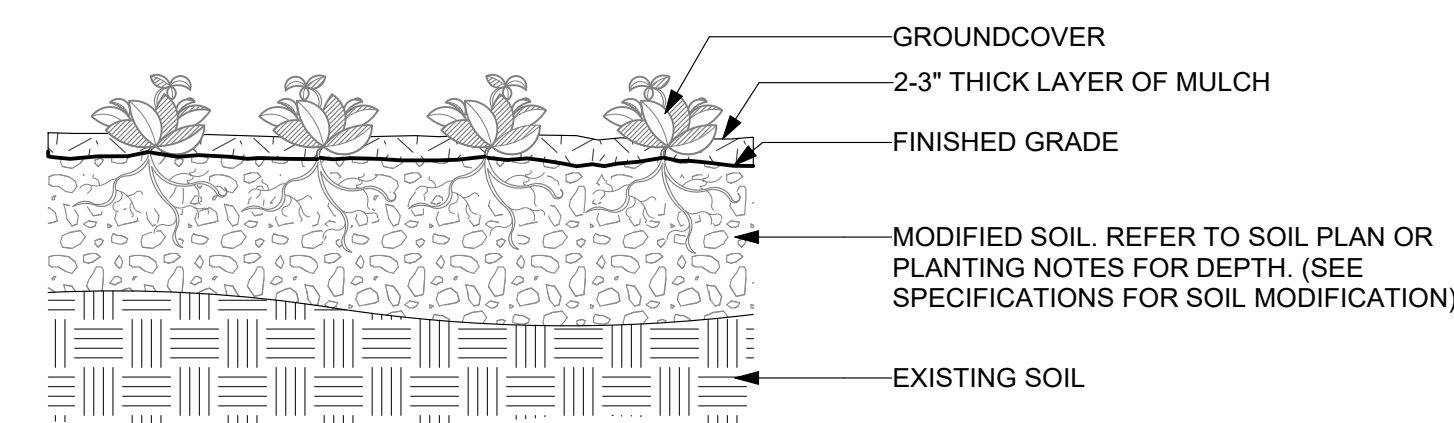
- NOTES:**
1. SCARIFY SUBGRADE AT SIDES AND BOTTOM OF PLANTING PIT, TYPICAL.
  2. REMOVE EXCESS SOIL FROM ROOTBALL TO EXPOSE FLARE PRIOR TO SETTING ROOTBALL.
  3. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.



1 TREE PLANTING  
L5.5 Scale: 3/4" = 1'-0"

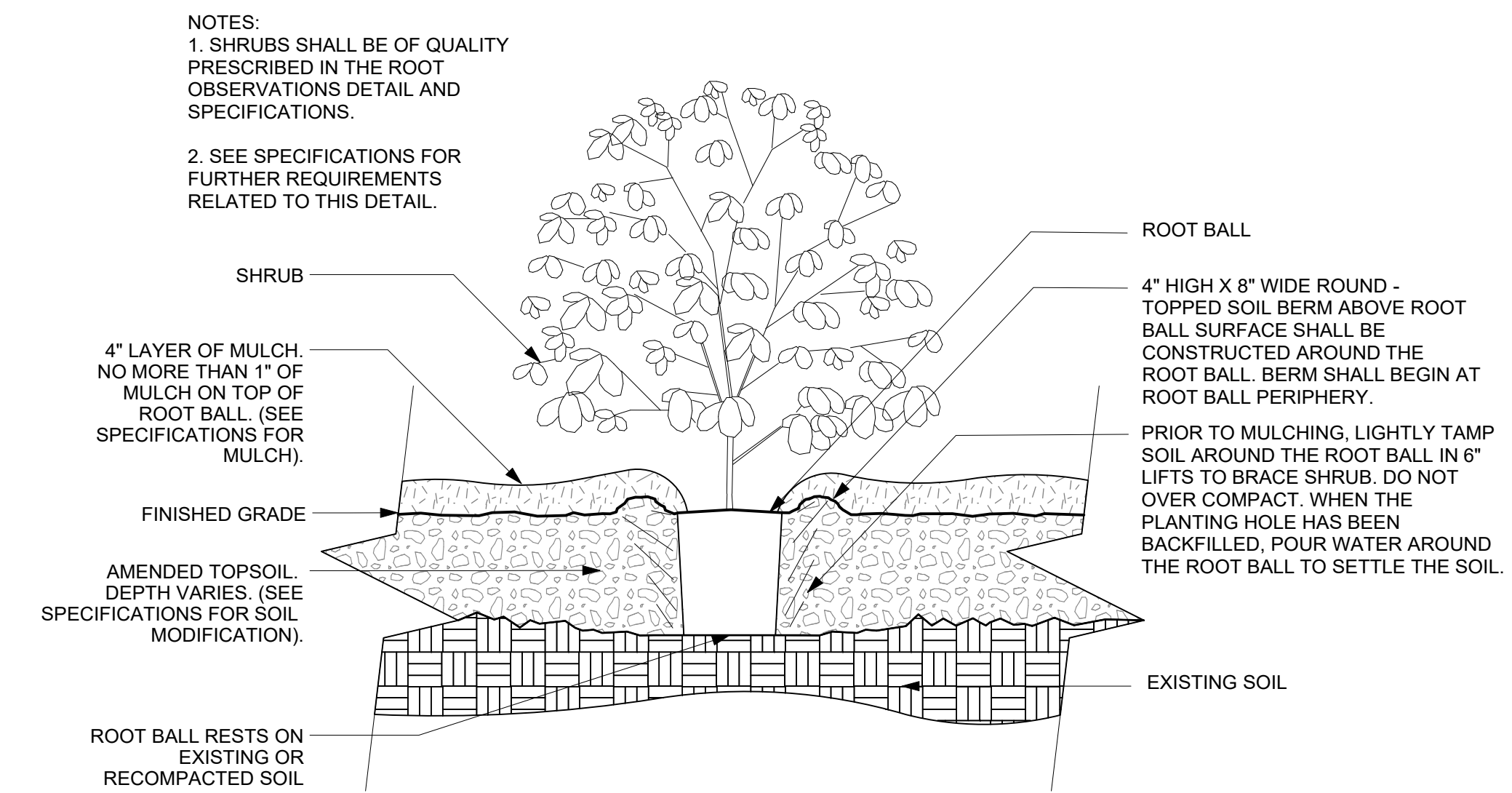


2 TREE STAKING  
L5.5 Scale: 3/4" = 1'-0"



- NOTES:**
1. SEE PLANTING SCHEDULE FOR GROUND COVER SPECIES, SIZE, AND SPACING DIMENSION.
  2. SMALL ROOTS (1/4" DIA. OR LESS) THAT GROW AROUND, UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPHERY CAN BE REMOVED AT THE TIME OF PLANTING.
  3. SETTLE SOIL AROUND ROOT BALL OF EACH GROUND COVER PRIOR TO MULCHING.

3 GROUND COVER PLANTING  
L5.5 Scale: 3/4" = 1'-0"

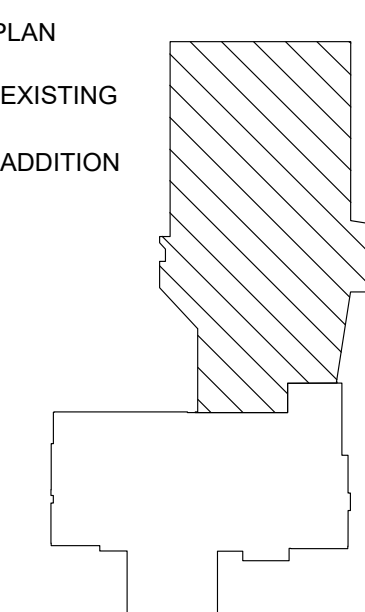


4 SHRUB PLANTING  
L5.5 Scale: 3/4" = 1'-0"

KEY PLAN

EXISTING

ADDITION



# DIGSAU

**CLIENT**  
REBUILD  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

**OWNER**  
CITY OF PHILADELPHIA  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

**ARCHITECT**  
DIGSAU  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

**CIVIL ENGINEER**  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

**STRUCTURAL ENGINEER**  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

**LANDSCAPE ARCHITECT**  
Ground Reconsidered  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

**ME/P/ENGINEER**  
dbHMS  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 267.217.1612

**LIGHTING DESIGN**  
The Lighting Practice  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

**COST ESTIMATING**  
Dharam Consulting  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 610.554.6560

**ENVIRONMENTAL CONSULTANT**  
Brightfields, Inc.  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

**LEED CONSULTANT**  
DataBase+  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 773.888.8888 / 312.847.1059  
www.databasedplus.com



DATE:	DESCRIPTION:

**OWNER**

**FRANCIS J. MYERS  
RECREATION CENTER  
SITE AND BUILDING  
IMPROVEMENTS**

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	1"=20'
FORMAT:	30" X 42"
DRAWN:	AB / TM
CHECKED:	JB
DATE:	4/7/2023

**SHEET NAME:**  
**PLANTING DETAILS**

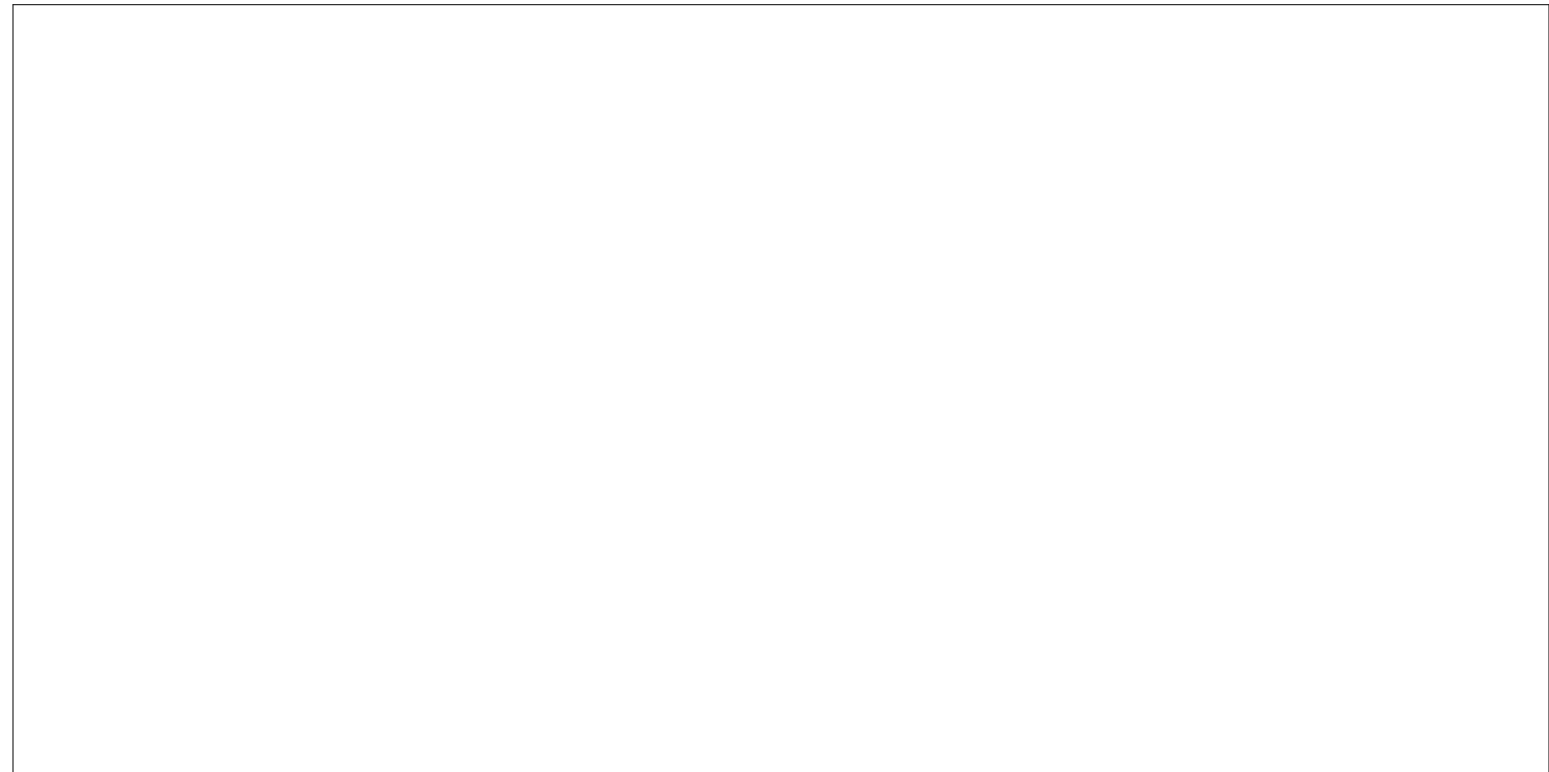
**SHEET NUMBER:**

**L5.5**

**PROJECT PHASE:**  
**CONSTRUCTION DOCUMENTS**



APPROVAL STAMP AREA



PART 1 - DESIGN CRITERIA / GENERAL REQUIREMENTS

- 1.1. DESIGN CRITERIA
  - A. BUILDING CODE: PHILADELPHIA BUILDING CODE, 2018 EDITION (ICC INTERNATIONAL BUILDING CODE, 2018 EDITION)
  - B. BUILDING RISK CATEGORY: II
  - C. GRAVITY DESIGN LOADS:
    1. DEAD LOAD: MATERIAL SELF-WEIGHT
    2. ROOF LIVE LOAD: UNIFORM LIVE LOAD: 20 PSF
    3. SNOW LOAD:
      - a. GROUND SNOW LOAD, PG: 25 PSF
      - b. FLAT ROOF SNOW LOAD, PF: 20 PSF
      - c. DRIFT LOAD: AS SPECIFIED BY THE REFERENCED BUILDING CODE FOR EACH INDIVIDUAL SITUATION (NOT EVALUATED AT THIS STAGE IN DESIGN)
      - d. SNOW EXPOSURE FACTOR,  $E_s$ : 1.0
      - e. SNOW IMPORTANCE FACTOR,  $I_s$ : 1.0
      - f. SNOW THERMAL FACTOR,  $T_s$ : 1.0
      - g. MECHANICAL AREAS: 0.5 PSF
  3. UNIFORM FLOOR LIVE LOADS:
    - a. CYMNASIUM: 100 PSF
    - b. LARGE ROOM: 100 PSF
    - c. MEDIUM / SMALL ROOM: 40 PSF
    - d. LOBBY: 100 PSF
    - e. CORRIDORS - 1ST FLOOR: 100 PSF
    - f. CORRIDORS - ABOVE 1ST FLOOR: 80 PSF
    - g. STAIRS: 100 PSF
    - h. PARTITIONS: 15 PSF
  - C. LATERAL LOADS:
    1. WIND LOAD:
      - a. BASIC WIND SPEED,  $V$ : 112 MPH
      - b. WIND EXPOSURE CATEGORY: B
      - c. WIND DIRECTIONALITY FACTOR,  $K_d$ : 0.85
      - d. WIND TOPOGRAPHIC FACTOR,  $K_{zt}$ : 1.0
      - e. GROUND ELEVATION FACTOR,  $K_1$ : 1.0
      - f. INTERNAL PRESSURE COEFFICIENT: +/- 0.18
    2. SEISMIC LOAD:
      - a. SEISMIC IMPORTANCE FACTOR,  $I_E$ : 1.0
      - b. SEISMIC RISK CATEGORY: II
      - c. SEISMIC DESIGN CATEGORY: B
      - d.  $S_s = 0.18g$   $S_1 = 0.075g$
      - e. SITE CLASS: D
      - f.  $S_0S = 0.18g$
      - g. SEISMIC WIND TRANSITION PERIOD,  $T_L$ : 6 SEC
      - h. SEISMIC RESISTING SYSTEM: STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
    3. RESPONSE MODIFICATION FACTOR,  $R$ : 3
    4. SYSTEM OVERSTRENGTH FACTOR,  $\Omega$ : 3
    5. DEFLECTION AMPLIFICATION FACTOR,  $C_D$ : 3
    6. BASE SHEAR,  $V = 0.128$
    7. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

1.2. GENERAL REQUIREMENTS

- A. CONSTRUCTION MEANS AND METHODS
  1. CONTRACTOR AGREES THAT CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF THE WORK, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD DAVID MASON & ASSOCIATES HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DAVID MASON & ASSOCIATES.
  2. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INCLUDE THE METHOD OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE NEW AND EXISTING STRUCTURES DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO: BRACING, EARTH RETENTION SYSTEMS, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, TEMPORARY STRUCTURES, AND PARTIALLY COMPLETED WORK. OBSERVATION VISITS TO THE SITE BY DAVID MASON & ASSOCIATES SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
  3. THE CONTRACT DOCUMENTS DO NOT ACCOUNT FOR THE EFFECTS OF THERMAL MOVEMENT OF STRUCTURAL ELEMENTS DURING THE COURSE OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRICTING THE IMPACT OF THERMAL MOVEMENTS DURING CONSTRUCTION. EXPANSION JOINTS INDICATED ON THE CONTRACT DOCUMENTS ARE LOCATED AND DIMENSIONED AS REQUIRED FOR THE COMPLETED STRUCTURE.
  4. DAVID MASON & ASSOCIATES SHALL NOT HAVE CONTROL OVER OR CHARGE OF AND SHALL NOT BE RESPONSIBLE IN ANY WAY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH ANY CONSTRUCTION ACTIVITIES, SINCE THESE ARE SOLELY CONTRACTOR'S RESPONSIBILITIES UNDER THE CONTRACT.
  5. DAVID MASON & ASSOCIATES SHALL NOT BE RESPONSIBLE FOR CONTRACTOR'S SCHEDULE OR FAILURES TO CARRY OUT ANY CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. DAVID MASON & ASSOCIATES SHALL NOT HAVE CONTROL OVER OR CHARGE OF ACTIONS OF CONTRACTOR, SUBCONTRACTOR, OR ANY OF THEIR AGENTS, OR EMPLOYEES, OR ANY OTHER PERSONS PERFORMING PORTIONS OF ANY CONSTRUCTION ACTIVITIES.
  6. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED AND PROVIDED BY CONTRACTOR.
  7. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.

- B. EXISTING CONDITIONS
  1. CONTRACTOR SHALL BECOME FAMILIAR WITH EXISTING CONDITIONS AS REQUIRED TO BID AND COMPLETE THE WORK.
  2. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND ELEVATIONS OF EXISTING CONDITIONS AND REPORT TO ARCHITECT. ANY EXISTING DIMENSIONS AND ELEVATIONS SHOWN ON THE CONTRACT DOCUMENTS ARE NOT AS-BUILT DIMENSIONS, BUT WERE OBTAINED FROM THE ORIGINAL STRUCTURAL DRAWINGS OR OTHER DRAWINGS AND DOCUMENTS MADE AVAILABLE BY THE OWNER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, AND MEMBER SIZES AS REQUIRED PRIOR TO BEGINNING FABRICATION, CONSTRUCTION, ETC.
  3. ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS FOUND AND THOSE INDICATED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH THE WORK. IF EXISTING CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER IMMEDIATELY AND PROVIDE AN ACCURATE SKETCH OF THE ACTUAL CONDITION FOR REVIEW.
  4. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY REMOVAL AND REPLACEMENT / RELOCATION OF ANY NON-STRUCTURAL ELEMENTS NECESSARY TO COMPLETE THE STRUCTURAL WORK. FOLLOW ALL APPLICABLE CODES, SPECIFICATIONS, AND REQUIREMENTS OF AFFECTED TRADES. CONSIDERATION OF THIS SHALL BE INCLUDED IN THE CONTRACTOR'S BID.

- C. SUBMITTALS
  1. SUBMITTALS PREPARED BY SUBCONTRACTORS SHALL BE REVIEWED BY CONTRACTOR PRIOR TO SUBMITTING TO ARCHITECT.
  2. REPRODUCTION OF THE CONTRACT DOCUMENTS FOR SHOP DRAWINGS IS NOT PERMITTED. ELECTRONIC DRAWING FILES WILL NOT BE PROVIDED TO CONTRACTOR.
  3. CONTRACTOR SHALL VERIFY THE STRUCTURALLY SUPPORTED EQUIPMENT WEIGHTS, OPENING SIZES, AND LOCATIONS INDICATED ON THE STRUCTURAL DRAWINGS WITH DOCUMENTS FROM OTHER DISCIPLINES AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
  4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING SIZE, METHOD OF ANCHORAGE, WEIGHT, OPENINGS, AND LOCATIONS OF EQUIPMENT NOT INDICATED ON THE STRUCTURAL DRAWINGS PRIOR TO ORDERING FOR REVIEW BY DAVID MASON & ASSOCIATES TO DETERMINE ADEQUACY OF THE STRUCTURE.
  5. ALL SUBMITTALS REVIEWED BY DAVID MASON & ASSOCIATES ARE REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION INCLUDED IN THE CONTRACT DOCUMENTS. ANY ACTION INDICATED IS SUBJECT TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CORRELATING AND CONFIRMING DIMENSIONS AT THE JOB SITE, CHOICE OF FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, AND COORDINATION OF THE WORK WITH THAT OF OTHER TRADES.

D. QUALITY REQUIREMENTS

1. REFERENCE TO STANDARD SPECIFICATIONS OR CODES OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES SHALL MEAN THE STANDARDS IN EFFECT AS OF DATE OF THE CONTRACT DOCUMENTS, UNLESS OTHERWISE NOTED.
2. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH STANDARD SPECIFICATIONS OR CODES OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION.
3. NO PORTION OF ANY REFERENCED STANDARD SPECIFICATION OR CODE, WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS, SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, ARCHITECT, DAVID MASON & ASSOCIATES, CONTRACTOR, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS, NOR SHALL IT BE EFFECTIVE TO ASSIGN TO DAVID MASON & ASSOCIATES OR ANY OF DAVID MASON & ASSOCIATES' CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
4. STRUCTURAL DOCUMENTS ARE BEING RELEASED PRIOR TO DOCUMENTS OF OTHER DISCIPLINES. CONTRACTOR SHALL COORDINATE STRUCTURAL DOCUMENTS WITH OTHER PORTIONS OF THE CONTRACT DOCUMENTS AS THEY ARE RELEASED. REPORT ANY DISCREPANCY OR OMISSION TO ARCHITECT.
5. ALL OMISSIONS AND CONFLICTS WITHIN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
6. ALL THINGS WHICH IN THE OPINION OF THE CONTRACTOR, APPEAR TO BE DEFICIENCIES, OMISSIONS, CONTRADICTIONS OR AMBIGUITIES, IN THE PLANS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER. PLANS AND/OR SPECIFICATIONS WILL BE CORRECTED, OR A WRITTEN INTERPRETATION OF THE ALLEGED DEFICIENCY, OMISSION, CONTRADICTION OR AMBIGUITY WILL BE MADE BY THE STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
7. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS AT THE JOB SITE. ANY DISCREPANCIES BETWEEN THE CONDITIONS FOUND AND THOSE INDICATED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
8. STRUCTURAL DOCUMENTS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR CORRELATING ALL REQUIREMENTS DURING SHOP DRAWINGS AND INCORPORATING INTO THE WORK.
9. DO NOT SCALE THESE DRAWINGS. USE DIMENSIONS.
10. SEE DOCUMENTS BY OTHER DISCIPLINES FOR FLOOR, WALL, AND ROOF OPENINGS, TRENCHES, PITS, PIPE SLEEVES, EQUIPMENT PADS, METAL PAN STAIRS, MISCELLANEOUS IRON, ETC.
11. NO PIPES, DUCTS, CHASES, ETC. SHALL BE PLACED IN STRUCTURAL BEAM AND COLUMN MEMBERS NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR PIPES, DUCTS, ETC. UNLESS NOTED OTHERWISE. NOTIFY DAVID MASON & ASSOCIATES WHEN DOCUMENTS BY OTHER DISCIPLINES SHOW OPENINGS, POCKETS, ETC. NOT INDICATED IN THE STRUCTURAL DRAWINGS, BUT ARE LOCATED IN STRUCTURAL MEMBERS. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM DAVID MASON & ASSOCIATES FOR INSTALLATION OF SUCH PIPES, DUCTS, CHASES, ETC.
12. NO DIMENSION IN SIZE OF DIMENSION OF WORK SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
13. OPENINGS 1'-4" AND LESS ON A SIDE ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR OPENINGS.
14. VERIFY ELEVATOR PIT DIMENSIONS, LOCATIONS, LOADINGS AND DETAILS WITH SUPPLIERS PRIOR TO THE FABRICATION AND/OR INSTALLATION OF ANY MATERIAL.
15. UNLESS OTHERWISE NOTED, FIREPROOFING METHODS AND MATERIALS FOR STRUCTURAL DRAWINGS AND PROJECTS ARE NOT SHOWN ON STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND PROJECTS FOR FIRE RATING REQUIREMENTS, FIREPROOFING METHODS AND MATERIALS.
16. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE LOCATIONS SPECIFICALLY INDICATED. WHERE A DETAIL IS NOT INDICATED, THE DETAIL SHALL BE THE SAME AS FOR OTHER SIMILAR CONDITIONS.

E. CONTRACTOR'S DELEGATED DESIGN

1. CONTRACTOR DESIGNED ELEMENTS SHALL BE DESIGNED BY LICENSED PROFESSIONAL ENGINEERS REGISTERED IN THE COMMONWEALTH OF PENNSYLVANIA FOR ANY ELEMENT BUILDING COMPONENTS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, DESIGN LOAD DATA, SUPPORT REACTIONS, AND CERTIFICATIONS THAT ELEMENTS WERE DESIGNED FOR LOADS SPECIFIED IN THE CONTRACT DOCUMENTS OR IN THE BUILDING CODE. ALL DOCUMENTS NOTED SHALL BE SEALED BY THE LICENSED ENGINEER.
- IF CRITERIA INDICATED ARE NOT SUFFICIENT, SUBMIT A WRITTEN REQUEST FOR ADDITIONAL INFORMATION TO ARCHITECT. THE FOLLOWING ELEMENTS AND THEIR CONNECTIONS SHALL BE CONTRACTOR DESIGNED:
  - a. TEMPORARY BRACING AND SHORING
  - b. EARTH RETENTION SYSTEMS NECESSARY FOR SAFE EXCAVATION
  - c. STRUCTURAL STEEL CONNECTIONS
  - d. COLD-FORMED METAL FRAMING
  - e. STAIRS
  - f. WINDOW AND CURTAIN WALL SYSTEMS
  - g. STONE VENEER SUPPORTS AND ANCHORS
  - h. SUPPORT, ANCHORAGE AND LATERAL BRACING OF MECHANICAL EQUIPMENT AND MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEM COMPONENTS
  - i. UNDERPINNING
2. THE CONTRACTOR'S BID SHALL INCLUDE A LIST OF THE PROFESSIONAL ENGINEERS WHO ARE TO BE RESPONSIBLE FOR EACH DELEGATED DESIGN.
3. THE SUCCESSFUL CONTRACTOR SHALL SUBMIT A LIST OF THE PROFESSIONAL ENGINEERS TO THE STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH THE WORK.

1.3. SPECIAL INSPECTIONS

- A. THE OWNER WILL EMPLOY THE SERVICE OF ONE OR MORE SPECIAL INSPECTORS TO PROVIDE SPECIAL INSPECTIONS DURING CONSTRUCTION FOR THE ITEMS LISTED IN THE SPECIAL INSPECTION REQUIREMENTS TABLES OF THE APPLICABLE BUILDING CODE.
- B. SPECIAL INSPECTION REPORTS SHALL BE FURNISHED TO BUILDING OFFICIAL, OWNER, ARCHITECT, DAVID MASON & ASSOCIATES, AND CONTRACTOR. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR, AND IF NOT CORRECTED, SHALL BE REPORTED TO BUILDING OFFICIAL, OWNER, ARCHITECT, AND DAVID MASON & ASSOCIATES.
- C. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL, AND THE REGISTERED DESIGN PROFESSIONAL OF RECORD, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
- D. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
  1. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED CONTRACT DOCUMENTS. THESE CODE REQUIRED INSPECTIONS ALTER, MODIFY, ENLARGE, OR WAIVE ANY OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
  2. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE REGISTERED DESIGN PROFESSIONAL OF RECORD, AND THE CONTRACTOR. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF NOT CORRECTED, THE SPECIAL INSPECTOR SHALL SUBMIT A COMPLETE LIST OF ALL OUTSTANDING DISCREPANCIES ON A WEEKLY BASIS TO THE OWNER, THE BUILDING OFFICIAL, AND THE REGISTERED DESIGN PROFESSIONAL OF RECORD, UNTIL ALL CORRECTIONS HAVE BEEN COMPLETED.
  3. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL, SIGNED REPORT STATING WHETHER THE STRUCTURE CONFORMS TO THE REQUIREMENTS OF THE CONTRACT. THE SPECIAL INSPECTOR'S KNOWLEDGE, PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE BUILDING CODE.
- E. THE TESTING LABORATORY PROVIDING SERVICES FOR THE OWNER SHALL PROVIDE SPECIAL INSPECTION SERVICES ACCORDING TO THE SPECIAL INSPECTION REQUIREMENTS TABLES OF THE APPLICABLE BUILDING CODE. THESE CODE REQUIRED INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS AND TESTS DEFINED IN THE PROJECT SPECIFICATIONS.
- F. TYPES OF WORK WHICH REQUIRE SPECIAL INSPECTIONS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: (REFER TO THE BUILDING CODE AND SPECIFICATIONS FOR DETAILED INSPECTION REQUIREMENTS.)
  1. PREPARED FILL
  2. SOIL BEARING CAPACITY
  3. CONCRETE CONSTRUCTION
  4. STEEL CONSTRUCTION
  5. COLD FORMED METAL FRAMING
  6. MASONRY CONSTRUCTION
- F. INSPECTION IS ALWAYS REQUIRED DURING THE PERFORMANCE OF THE WORK, UNLESS OTHERWISE SPECIFIED. WHEN WORK IN MORE THAN ONE CATEGORY OF WORK REQUIRING SPECIAL INSPECTION IS TO BE PERFORMED SIMULTANEOUSLY, OR THE LOCATION OF THE WORK IS SUCH THAT IT CANNOT BE OBSERVED BY ONE INSPECTOR, IT IS THE INSPECTION AGENCY'S RESPONSIBILITY TO EMPLOY A SUFFICIENT NUMBER OF SPECIAL INSPECTORS TO ASSURE THAT ALL THE WORK IS INSPECTED IN ACCORDANCE WITH THE PROVISIONS OF THE BUILDING CODE.
- G. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST ONE WORKING DAY PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION.
- H. SPECIAL INSPECTION IS NOT A SUBSTITUTE FOR INSPECTION BY A CITY INSPECTOR.
- I. SPECIALLY INSPECTED WORK THAT IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE CITY OR SPECIAL INSPECTOR IS SUBJECT TO REMOVAL OR EXPOSURE AT NO COST TO THE OWNER.

PART 2 - FOUNDATIONS

- 2.1. GENERAL
  - A. FOUNDATION DESIGN IS BASED UPON RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY GZA GEOTECHNICAL, INC. DATED JULY, 2022, THE ON-SITE GEOTECHNICAL REPRESENTATIVE SHALL OBSERVE AND CERTIFY THE BEARING MEDIUM FOR ALL FOUNDATIONS. ANY UNUSUAL CONDITIONS OR INADEQUATE BEARING CONDITIONS GROUT SHALL CONFORM TO ASTM C476. GROUT SHALL BE PROPORTIONED WITH A SLUMP OF 8" TO 11" USING 3/8" NOMINAL MAXIMUM SIZE COURSE AGGREGATE.
  - B. RECOMMENDATIONS CONTAINED WITHIN THE GEOTECHNICAL REPORT ARE TO BE CONSIDERED PART OF THE CONTRACT DOCUMENTS UNLESS SPECIFICALLY MODIFIED HEREIN.
  - C. EXCAVATIONS SHALL BE KEPT FREE OF LOOSE MATERIAL AND STANDING WATER.
  - D. ALL SOIL SURROUNDING AND UNDER FOOTINGS SHALL BE PROTECTED FROM FREEZING AND THAWING DURING THE COURSE OF CONSTRUCTION.
- 2.2. BRACING AND SHORING.
  - A. FOUNDATION WALLS TO RETAIN EARTH SHALL BE BRACED AGAINST BACK-FILLING PRESSURES UNTIL FLOOR SLABS AT TOP AND BOTTOM ARE COMPLETE.
  - B. WHERE FOUNDATION WALLS ARE TO HAVE EARTH PLACED ON EACH SIDE, PLACE FILL SIMULTANEOUSLY TO A COMMON ELEVATION ON EACH SIDE OF THE WALL.
  - C. CONTRACTOR SHALL DESIGN TEMPORARY BRACING FOR BACKFILL AGAINST THE FOUNDATION WALL.
- 2.3. EARTH RETENTION
  - A. THE SAFE RETENTION OF ALL EXCAVATIONS IS THE COMPLETE AND SOLE RESPONSIBILITY OF THE CONTRACTOR. THIS RESPONSIBILITY INCLUDES SHEET PILE, SOLDIER PILE, LAGGING, TIEBACK, BRACE, DEEPMAN AND SHOTCRETE COMPONENT DESIGN, DETERMINATION OF INSTALLATION SEQUENCES AND COORDINATION WITH EXISTING STRUCTURES AND UTILITIES.
  - B. RETENTION SYSTEMS SHALL PROTECT ALL NEW AND EXISTING STRUCTURES AND UTILITIES FROM DAMAGE DURING THE ENTIRE EXCAVATION AND BACKFILL SEQUENCE, UNTIL ALL PERMANENT STRUCTURES ARE INSTALLED AND HAVE ATTAINED FULL DESIGN STRENGTH.
  - C. DO NOT EXCAVATE BELOW EXISTING FOOTINGS OR UTILITIES UNTIL THE ASSOCIATED EARTH RETENTION SYSTEMS ARE INSTALLED.

2.4. FOOTINGS

- A. ALL FOOTINGS SHALL BEAR ON AND BE FORMED BY FIRM, UNDISTURBED, VIRGIN, SUB-SOIL OR COMPACTED ENGINEERED FILL WITH CAPABLE OF SUSTAINING A BEARING PRESSURE OF 4,000 PSF BEHIND FINISHED GRADE AND SERVICE LEVEL AND DEAD LOAD.
- B. ALL BEARING MATERIAL SHALL BE INSPECTED BY THE ON-SITE GEOTECHNICAL REPRESENTATIVE PRIOR TO CONTACT PLACEMENT. THE GEOTECHNICAL ENGINEER OR HIS ON-SITE REPRESENTATIVE SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED, OR LEAN CONCRETE FILL ADDED AS REQUIRED.
- C. BOTTOM OF FOOTINGS SHALL BEAR A MINIMUM OF 6 INCHES BELOW FINAL GRADE FOR FROST PROTECTION.

2.5. UNDERPINNING

- A. UNDERPINNING EXISTING FOUNDATION WALL INDICATED IN THE STRUCTURAL DRAWINGS AND ORY PRACTICE WITH NON-METALLIC, NON-SHRINKING GROUT.
- B. EXISTING CONSTRUCTION SHALL BE BRACED UNTIL UNDERPINNING IS COMPLETE.

PART 3 - CONCRETE

- 3.1. CAST-IN-PLACE CONCRETE
  - A. STANDARDS:
    1. ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (318-14).
    2. CRSI HANDBOOK FOR CONCRETE CONSTRUCTION.
  - B. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS AND THEIR SUPPORT IN THE FORMS WITH ACCESSORIES MUST FOLLOW THE LATEST ACI CODE AND THE LATEST MANUFACTURER'S PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.
  - C. MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE:
    1. UNFORMED SURFACE PERMANENTLY IN CONTACT WITH THE GROUND.....3"
    2. FORMED SURFACES EXPOSED TO EARTH OR WEATHER.....2"
    - a. #8 BAR AND LARGER.....2"
    - b. #5 BAR AND SMALLER.....1-1/2"
    3. FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER:
      - a. WALL, SLAB AND SLICES.....3/4"
      - b. BEAMS, GIRDERS AND COLUMNS (TO TIERS OR STIRRUPS).....1-1/2"
  - D. AGGREGATES SHALL BE AS FOLLOWS:
    1. FINE AGGREGATE SHALL BE CLEAN, HARD, DURABLE AND FREE OF DELETERIOUS SUBSTANCES AND CONFORM TO ASTM C33.
    2. COURSE AGGREGATE SHALL BE CLEAN, HARD, DURABLE WITHOUT FLAT OR ELONGATED PIECES AND SHALL CONFORM TO ASTM C33.
    3. LIGHT WEIGHT AGGREGATE: SHALL BE CLEAN, HARD, DURABLE AND CONFORM TO ASTM C330.

- E. ALL CONCRETE EXPOSED TO FREEZING AND THAWING AND DEICER CHEMICALS SHALL HAVE 6% (8-13/-1.50) AIR ENTRAINMENT. DO NOT AIR ENTRAIN CONCRETE TO BE TROWEL FINISHED.
- F. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, DEFORMED BARS, UNLESS NOTED OTHERWISE. WELDING OF ASTM A615, GRADE 60 REINFORCING IS NOT ALLOWED.
- G. WELDED WIRE REINFORCING SHALL BE ASTM A185 AND SHALL BE CONTACT LAP SPLICED AND WIRED TOGETHER AT LEAST 2" AT SIDE AND 6" AT ENDS.
- H. DOWELS IN WALL FOOTINGS SHALL BE EQUIVALENT IN SIZE AND NUMBER TO VERTICAL BARS. DOWELS MUST BE ANCHORED OR TIED IN POSITION BEFORE PLACING CONCRETE.
- I. PUSHING BARS INTO FRESHLY PLACED CONCRETE IS NOT ACCEPTABLE.
- J. FIELD BENDING OF REINFORCING PARTIALLY EMBEDDED IN CONCRETE IS NOT ALLOWED UNLESS SPECIFICALLY NOTED IN THE STRUCTURAL DOCUMENTS OR APPROVED BY THE STRUCTURAL ENGINEER.
- K. ALL BUTTING CONCRETE MEMBERS SHALL BE DOWELED TOGETHER UNLESS POURED MONOLITHICALLY. DOWELS SHALL BE EQUAL IN SIZE AND SPACING TO THE REINFORCING IN THE ADJACENT MEMBERS.
- L. THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS MUST BE REFERRED TO FOR ALL MECHANICAL FLOOR REQUIREMENTS, HOUSEKEEPING PADS AND EQUIPMENT SUPPORTS AND THE VARIOUS TRADES ARE RESPONSIBLE FOR THE PLACING OF SLEEVES, OUTLET BOXES, ANCHORS, ETC. THAT MAY BE REQUIRED.
- M. PIPES, SLEEVES OR SLOTS SHALL NOT RUN THROUGH ANY BEAM OR GIRDER UNLESS SIZE AND LOCATION HAVE BEEN APPROVED BY THE STRUCTURAL ENGINEER.
  1. CONDUIT AND PIPES EMBEDDED IN WALLS, BEAMS, OR SLABS SHALL BE NO LARGER IN OUTSIDE DIMENSIONS THAN 1/2 THE OVERALL MEMBER THICKNESS.
  2. ANCHORS AND SHALL BE PLACED NO CLOSER THAN 3 DIAMETERS OR WIDTHS ON DISPLACE.
  3. BEAMS AND PIPES, WITH THEIR FITTINGS, EMBEDDED WITHIN A COLUMN SHALL NOT CENTER MORE THAN A PERCENT OF THE AREA OF THE COLUMN CROSS SECTION.
- N. ADHESIVE FOR POST-INSTALLED REINFORCING DOWELS INTO CONCRETE SHALL BE HELTI HIT-HY 200 ADHESIVE ANCHORING SYSTEM INSTALLED PER SAFETY SHEET TECHNOLOGY WRITTEN INSTRUCTION OR APPROVED EQUAL. MINIMUM EMBEDMENT LENGTH SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
 

#3 BARS -- 4.5"	#7 BARS -- 10.5"
#4 BARS -- 6.0"	#8 BARS -- 12.0"
#5 BARS -- 7.5"	#9 BARS 9.0"

- N. MECHANICAL ANCHORS SHALL BE UNF-AXIAL-TYPE CAPABLE OF DEVELOPING 125% OF THE SPECIFIED YIELD STRENGTH OF THE BAR IN TENSION.
- O. REINFORCING TO BE SPLICED OR DOWELED IN ACCORDANCE WITH ACI 318 AS FOLLOWS, UNLESS NOTED OTHERWISE:
 

1. SPLICE BARS WITH CONTACT LAPS, UNLESS NOTED OTHERWISE.
2. SPLICE BARS WITH CONTACT LAPS, UNLESS NOTED OTHERWISE.
3. USE CLASS A SPLICE LENGTHS FOR DOWEL EMBEDMENT LENGTH.

- P. UNLESS OTHERWISE SHOWN IN THE ARCHITECTURAL DRAWINGS, PROVIDE 3/4" CHAMFERS FOR SLABS SO THAT THE FINISHED SURFACE IS SKEWERED LEVEL TO AN ELEVATION WITHIN 1/4" OF THE TOP OF SLAB ELEVATION SHOWN ON PLANS. CONTRACTOR SHALL ALLOW FOR THE DEFLECTION OF THE FLOOR ASSEMBLY DUE TO THE WEIGHT OF THE CONCRETE WHEN CALCULATING CONCRETE QUANTITY.
- Q. PROVIDE WATERFALLS IN BELOW GRADE CONSTRUCTION JOINTS AND AT OTHER LOCATIONS AS INDICATED.
- R. PROVIDE THE FOLLOWING ADDITIONAL REINFORCING UNLESS OTHERWISE CALLED FOR ON STRUCTURAL PLANS:
  1. CORNER BARS AT ALL CORNERS AND INTERSECTIONS OF CONCRETE WALLS, GRADE BEAMS AND FOOTINGS TO MATCH HORIZONTAL REINFORCING.
  2. PROVIDE #4 SLAB DOWELS AT 12" O.C. AT DOORS, UNLESS OTHERWISE NOTED.
  3. BARS AT OPENINGS IN SLABS AND WALLS: PROVIDE BARS WITH EQUAL AREA TO INTERRUPTED REINFORCING, PLACE 1/2 AT EACH SIDE OF OPENING.
- S. CONCRETE WALLS SHALL HAVE CONSTRUCTION JOINTS NOT FURTHER THAN 100'-0" APART, UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER. CONSTRUCTION JOINT LOCATIONS SHOULD BE PROVIDED TO THE STRUCTURAL ENGINEER IN WRITING PRIOR TO PROCEEDING WITH THE WORK.
- T. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED FOR INSPECTION OF REBAR PLACEMENT. NOTICE SHALL BE GIVEN NOT LESS THAN 24 HOURS PRIOR TO CONCRETE PLACEMENT.

- 3.2. SLAB-ON-GRADE
  - A. PROVIDE CONSTRUCTION OR CONTROL JOINTS IN SLAB-ON-GRADE AS INDICATED IN THE STRUCTURAL DRAWINGS. IF NOT INDICATED, PROVIDE JOINTS AT 15 FEET (4.57) IN BOTH DIRECTIONS AND LOCATED TO CONFORM TO BAY SPACING WHEREVER POSSIBLE (AT COLUMN CENTERLINES, HALF BAYS, THREE BAYS, ETC.).
  - B. FLOOR SLAB CONSTRUCTION SHALL CONFORM TO GUIDELINES OF ACI 302. FLOOR FINISHED SURFACE SHALL CONFORM TO THE ACI 302 TOLERANCES FOR FLATNESS AND LEVELNESS NUMBERS (FF/FL) SPECIFIED.
  - C. PROVIDE COMPRESSIBLE FILLER AND SEALANT IN SLAB-ON-GRADE AND WALL AND COLUMN INTERFACES THAT ARE NOT DOWELED TOGETHER.
  - D. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF FLOOR FINISHES AND DEPRESSIONS.
  - E. AT FLOOR DRAINS, LOCALLY SLOPE FLOOR TOWARDS DRAIN. SEE DOCUMENTS FROM OTHER DISCIPLINES FOR DRAIN LOCATIONS.

- 3.3. SLABS-ON-METAL DECK (COMPOSITE AND NON-COMPOSITE)
  - A. CONCRETE THICKNESS INDICATED IS NOMINAL. CONTRACTOR SHALL PLACE CONCRETE FOR SLABS SO THAT THE FINISHED SURFACE IS SKEWERED LEVEL TO AN ELEVATION WITHIN 3/4" OF THE TOP OF SLAB ELEVATION SHOWN ON PLANS. CONTRACTOR SHALL ALLOW FOR THE DEFLECTION OF THE FLOOR ASSEMBLY DUE TO THE WEIGHT OF THE CONCRETE WHEN CALCULATING CONCRETE QUANTITY.
  - B. PROVIDE SLAB BOLSTERS, HIGH CHAIRS, AND #5 SUPPORT BARS AS NECESSARY TO MAINTAIN PROPER CLEARANCE OF REINFORCING.
  - C. FLOOR SLAB CONSTRUCTION SHALL CONFORM TO GUIDELINES OF ACI 302. FLOOR FINISHED SURFACE SHALL CONFORM TO THE ACI 302 TOLERANCES FOR FLATNESS AND LEVELNESS NUMBERS (FF/FL) SPECIFIED.
  - D. PROVIDE ARCHITECTURAL DRAWINGS FOR LOCATION OF FLOOR FINISHES AND APPROVED BY THE ENGINEER OF RECORD.
  - E. MASONRY CONSTRUCTION SHALL CONFORM TO THE ACI 302 TOLERANCES FOR FLATNESS AND LEVELNESS NUMBERS (FF/FL) SPECIFIED.
  - F. CONSIDERATION SHALL BE GIVEN TO SEQUENCING OF CONCRETE PLACEMENT SO AS TO CONTROL FINISH ELEVATIONS WITHIN THE SPECIFIED LIMITS.
  - G. SEE COMPOSITE BEAM NOTES FOR SHORING REQUIREMENTS AT COMPOSITE SLABS.

PART 4 - REINFORCED MASONRY

- 4.1. GENERAL
  - A. MASONRY CONSTRUCTION SHALL COMPLY WITH THE ACI "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" ACI 530-13.
  - B. GEOTECHNICAL REPRESENTATIVE SHALL OBSERVE AND CERTIFY THE BEARING MEDIUM FOR ALL FOUNDATIONS. ANY UNUSUAL CONDITIONS OR INADEQUATE BEARING CONDITIONS GROUT SHALL CONFORM TO ASTM C476. GROUT SHALL BE PROPORTIONED WITH A SLUMP OF 8" TO 11" USING 3/8" NOMINAL MAXIMUM SIZE COURSE AGGREGATE.
  - C. MORTAR SHALL COMPLY WITH THE REQUIREMENTS OF ASTM C270 AND BE OF THE FOLLOWING TYPES:
    1. WALLS BELOW GRADE: TYPE M
    2. BEARING WALLS: TYPE M OR S
    3. INTERIOR NON-BEARING: TYPE N
  - D. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, DEFORMED BARS, UNLESS OTHERWISE SPECIFIED. WELDING OF ASTM A615, GRADE 60 REINFORCING IS NOT ALLOWED.
  - E. REINFORCING STEEL TO BE WELDED SHALL BE ASTM A702, DEFORMED BARS.
  - F. PROVIDE STANDARD LADDER (OR TRUSS) TYPE HORIZONTAL JOINT REINFORCING CONFORMING TO ASTM A702. PROVIDE LADDER OR TRUSS AT COMMON ELEVATION ON EACH SIDE OF THE WALL. PREFABRICATED CORNER AND TEE UNITS AT CORNERS AND INTERSECTIONS. ALL JOINT REINFORCING SHALL BE OF TYPE 304 STAINLESS STEEL COMPLYING WITH ASTM A182.

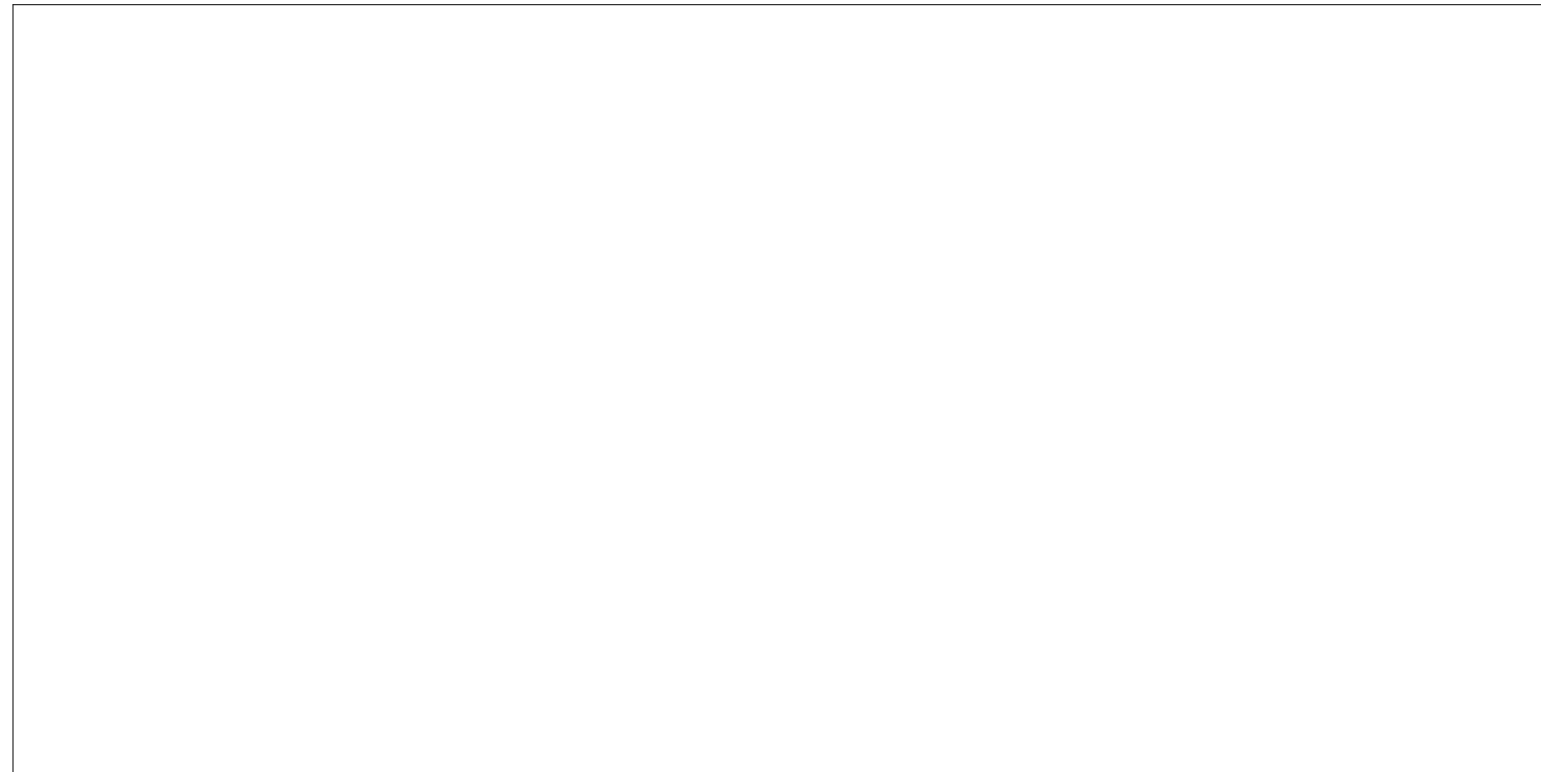
- G. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING AT BOND BEAM CORNERS AND INTERSECTIONS.
  1. ALL JOINT REINFORCEMENT IN EXTERIOR WALLS SHALL BE HILL-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153.
  2. ALL JOINT REINFORCEMENT IN INTERIOR WALLS SHALL BE HILL GALVANIZED IN ACCORDANCE WITH ASTM A641.
- H. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING AT BOND BEAM CORNERS AND INTERSECTIONS.
  1. MASONRY SHALL BE LAID IN RUNNING BOND UNLESS NOTED OTHERWISE.
  2. BOND BEAM MORTAR AND CUT SOFS OF HORIZONTAL JOINT REINFORCING AT CONTROL JOINTS.
  - K. BOND BEAM REINFORCING SHALL BE CONTINUOUS THROUGH CONTROL JOINTS.
  - L. DOWELS FROM CAST-IN-PLACE CONCRETE SHALL MATCH THE VERTICAL REINFORCEMENT IN THE WALL ABOVE UNLESS NOTED OTHERWISE. SUCH DOWELS SHALL BE FURNISHED BY THE CONTRACTOR.
  - M. WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH THE VERTICAL BLOCK CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN 6 VERTICAL. DOWELS MAY BE SLOPED MORE THAN ONE HORIZONTAL IN 6 VERTICAL. THE VERTICAL WALL REINFORCING REINFORCING ENTIRELY WITHIN THE MASONRY SHALL BE FURNISHED BY THE MASONRY CONTRACTOR.
  - N. REINFORCING SHALL BE LAPPED 48 BAR DIAMETERS (OR 24" MINIMUM) WITH CONTACT LAP SPLICES. JOINT REINFORCING SHALL BE LAPPED 6".
  - O. VERTICAL REINFORCING SHALL BE CENTERED IN WALL, UNLESS NOTED OTHERWISE. SOLID ALL WALL SLEEVES AS NOTED ON DRAWINGS.
  - P. GROUTING OF MASONRY BEAMS OVER OPENINGS SHALL BE DONE IN ONE CONTINUOUS OPERATION.
    1. REINFORCING OR DIAMETERS OF THE REINFORCING.
    2. MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE:
      - a. MASONRY OR DIAMETERS OF THE REINFORCING.
      - b. MASONRY OR DIAMETERS OF THE REINFORCING.
  - Q. VERTICAL GROUTING MAY BE EITHER "LOW LIFT" OR "HIGH LIFT" AT THE CONTRACTOR'S OPTION. GROUT PLACEMENT SHALL BE IN ACCORDANCE WITH ACI 530.
  - R. GROUTING OF MASONRY BELOW GRADE SOLID. GROUT CAVITIES OF MULTI-WYTHE WALLS BELOW GRADE.
    1. ALL VERTICAL CELLS TO BE GROUTED SHALL HAVE VERTICAL ALIGNMENT TO MAINTAIN A CONTINUOUS UNINTERRUPTED CELL AREA NOT LESS THAN 2" X 2".
    - U. GROUTING SHALL BE STOPPED 1-1/2" BELOW THE TOP OF A COURSE SO AS TO FORM A KEY IN THE POOR JOINT.
    - V. GROUTING OF MASONRY BEAMS OVER OPENINGS SHALL BE DONE IN ONE CONTINUOUS OPERATION.
      1. REINFORCING SHALL BE LAPPED 48 BAR DIAMETERS (OR 24" MINIMUM) WITH CONTACT LAP SPLICES. JOINT REINFORCING SHALL BE LAPPED 6".
      2. MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE:
        - a. MASONRY OR DIAMETERS OF THE REINFORCING.
        - b. MASONRY OR DIAMETERS OF THE REINFORCING.
    - W. ALL BOLTS, ANCHORS, ETC., INSERTED IN THE WALLS SHALL BE GROUTED SOLID IN POSITION.
    - X. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND DETAILS OF DOOR AND WINDOW OPENINGS AND OTHER MASONRY DETAILS. THE INFORMATION SHOWN ON THE STRUCTURAL DRAWINGS IS INTENDED TO DEFINE THE STRUCTURAL REQUIREMENTS ONLY.
      - a. CONCRETE, PIPES AND SLEEVES SHALL BE NO CLOSER THAN 3 DIAMETERS ON CENTER, MAXIMUM AREA OF VERTICAL CONDUITS, PIPES, OR SLEEVES PLACED IN COLLUMS OR FLATERS SHALL NOT DISPLACE MORE THAN 2 PERCENT OF THE NET CROSS SECTION.
    - Z. SEE SPECIAL SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR MASONRY WALL ANCHORS.

PART 5 - METALS

- 5.1. STRUCTURAL STEEL
  - A. GENERAL
    1. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AISC/AISC 360-16.
    2. ALL STEEL SHALL BE FABRICATED IN ACCORDANCE WITH THE AISC/AISC 360-16 EXPOSED STRUCTURAL STEEL.
    3. ALL STEEL SHALL BE FABRICATED IN ACCORDANCE WITH THE FOLLOWING, UNLESS NOTED OTHERWISE.
      - a. ANGLES, BASE PLATES & CONN. PLATES (U.N.O.) ASTM A36
      - b. WELDING ELECTRODES: MATCHING STRENGTH, 70 KSI MIN. CHICAGO, IL 60654
      - c. FIELD BENDING OF REINFORCING PARTIALLY EMBEDDED IN CONCRETE IS NOT ALLOWED UNLESS SPECIFICALLY NOTED IN THE STRUCTURAL DOCUMENTS OR APPROVED BY THE STRUCTURAL ENGINEER.
      - d. BOLTS:
        1. ASTM A325, 3/4" DIA. MIN. (MIN.), HEX HEAD
        2. HSS STRUCTURAL TUBE: SQ. & RECT. ASTM A506, GR. C
        3. ANCHOR BOLTS: ASTM F436, GRADE 36 WITH 456 WASHERS AND HEAVY HEX NUTS
        4. WTS AND WTS: ASTM A992
        5. WTS AND WTS: ASTM A9



APPROVAL STAMP AREA



PART 5 - METALS (CONT'D. FROM S001)

5.2 POST-INSTALLED ANCHORS

- A. POST-INSTALLED MECHANICAL ANCHORS
- POST-INSTALLED MECHANICAL ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE GIVEN TO AVOID CONFLICTS WITH EXISTING REBAR. DO NOT CUT EXISTING REINFORCING. HOLES SHALL BE DRILLED, CLEANED, AND INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS.
  - UNLESS SPECIFIED OTHERWISE, ANCHORS SHALL BE EMBEDDED IN THE APPROPRIATE SUBSTRATE WITH A MINIMUM EMBEDMENT OF 8 TIMES THE NOMINAL ANCHOR DIAMETER OR THE EMBEDMENT DEPTH REQUIRED TO SUPPORT THE INTENDED LOAD.
  - ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE OR MASONRY. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
  - SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE LISTED BELOW, MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS.
  - PROVIDE CARBON STEEL FINISH FOR ALL ANCHORS, U.N.O. STAINLESS STEEL ANCHORS SHALL BE PROVIDED WHERE ANCHORS WILL BE PERMANENTLY EXPOSED TO WEATHER.
  - EXCEPT WHERE INDICATED ON THE DRAWINGS, ANCHORS SHALL BE AS FOLLOWS:
    - CONCRETE EXPANSION ANCHORS:
      - ALL CONCRETE EXPANSION ANCHORS SHALL MEET THE REQUIREMENTS OF ACI 318, APPENDIX D AND SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193 FOR CRACKED CONCRETE AND SEISMIC APPLICATION.
      - PRE-APPROVED PRODUCTS INCLUDE:
        - HILTI KWIK 2 (ICC-ES ESR-1917)
        - SIMPSON STRONG BOLT 2 (ICC-ES ESR-3037)
        - HILTI HSL-3 (ICC-ES ESR-1545)
        - HILTI HDX UNDERCUT ANCHOR (ICC-ES ESR-1546)
        - SIMPSON TORQ-CUT ANCHOR (ICC-ES ESR-2705)
    - GRouted MASONRY EXPANSION ANCHORS:
      - ALL MECHANICAL ANCHORS INTO GROUT-FILLED CONCRETE MASONRY UNITS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC01.
      - PRE-APPROVED PRODUCTS INCLUDE:
        - HILTI KWIK 3 (ICC-ES ESR-1385)
        - SIMPSON STRONG BOLT 2 (ICC-ES ESR-3037)
        - SIMPSON WEDGE ALL (ICC-ES ESR-1396)
        - HILTI HSL-3 (ICC-ES ESR-1545)
        - HILTI HDX UNDERCUT ANCHOR (ICC-ES ESR-1546)
- CONTRACTOR MUST ADHERE TO MANUFACTURER'S REQUIREMENTS FOR ANCHOR SPACING AND LOCATION.

- B. POST-INSTALLED ADHESIVE ANCHORS
- POST-INSTALLED ADHESIVE ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE GIVEN TO AVOID CONFLICTS WITH EXISTING REBAR. DO NOT CUT EXISTING REINFORCING. HOLES SHALL BE DRILLED AND CLEANED PER THE MANUFACTURER'S INSTRUCTIONS.
  - UNLESS SPECIFIED OTHERWISE, ANCHORS SHALL BE EMBEDDED IN THE APPROPRIATE SUBSTRATE WITH A MINIMUM EMBEDMENT OF 8 TIMES THE NOMINAL ANCHOR DIAMETER OR THE EMBEDMENT DEPTH REQUIRED TO SUPPORT THE INTENDED LOAD.
  - ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE OR MASONRY. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
  - SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE LISTED BELOW, MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS.
  - PROVIDE CARBON STEEL FINISH FOR ALL ANCHORS, U.N.O. STAINLESS STEEL ANCHORS SHALL BE PROVIDED WHERE ANCHORS WILL BE PERMANENTLY EXPOSED TO WEATHER.
  - EXCEPT WHERE INDICATED ON THE DRAWINGS, ANCHORS SHALL BE AS FOLLOWS:
    - CONCRETE ADHESIVE ANCHORS:
      - ALL CONCRETE ADHESIVE ANCHORS SHALL MEET THE REQUIREMENTS OF ACI 318, APPENDIX D AND SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS.
      - PRE-APPROVED PRODUCTS INCLUDE:
        - HILTI HIT-HY 200 (ICC-ES ESR-3187)
        - HILTI HIT-RE 500-SD (ICC-ES ESR-2322)
        - SIMPSON STRONG-TIE AT-XP (IAPMO-UES ER-263)
        - SIMPSON STRONG-TIE ET-HP (ICC-ES ESR-3372)
        - SIMPSON STRONG-TIE SET-XP (ICC-ES ESR-2508)
    - GRouted MASONRY ADHESIVE ANCHORS:
      - ALL ADHESIVE ANCHORS INTO GROUT-FILLED CONCRETE MASONRY UNITS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC35.
      - PRE-APPROVED PRODUCTS INCLUDE:
        - HILTI HIT-HY 70 (ICC-ES ESR-3682)
        - SIMPSON STRONG-TIE AT-XP (IAPMO-UES ER-281)
        - SIMPSON STRONG-TIE ET-HP (IAPMO-UES ER-241)
        - SIMPSON STRONG-TIE SET-XP (IAPMO-UES ER-265)
- CONTRACTOR MUST ADHERE TO MANUFACTURER'S REQUIREMENTS FOR ANCHOR SPACING AND LOCATION.

- C. HOLLOW CMU OR UNREINFORCED BRICK MASONRY ADHESIVE ANCHORS
- ALL ADHESIVE ANCHORS INTO GROUT-FILLED CONCRETE MASONRY UNITS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC106.
- PRE-APPROVED PRODUCTS INCLUDE:
- HILTI HIT-HY 70 (ICC-ES ESR-3342)
  - SIMPSON STRONG-TIE AT-XP (IAPMO-UES ER-281)
  - SIMPSON STRONG-TIE ET-HP (IAPMO-UES ER-241)
  - SIMPSON STRONG-TIE SET-XP (IAPMO-UES ER-265)
- CONTRACTOR MUST ADHERE TO MANUFACTURER'S REQUIREMENTS FOR ANCHOR SPACING AND LOCATION.

- 5.4 STEEL DECK
- A. GENERAL
- DECK SHALL BE CONTINUOUS OVER 3 SPANS, UNLESS NOTED OTHERWISE.
  - END CLOSURES, ROOF SUMPS, CLOSURES AT PENETRATIONS, AND ALL OTHER ACCESSORIES NECESSARY FOR A COMPLETE INSTALLATION ARE REQUIRED.
  - AT SUPPORTS PARALLEL TO THE DECK SPAN, RAISE STEEL SUPPORTS OR PROVIDE SHIMS AT FASTENING POINTS IF THE DECK VALLEY DOES NOT ENGAGE THE SUPPORT.
  - STEEL DECK SUPPLIER SHALL COORDINATE SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
  - WHERE DECK IS WELDED TO SUPPORTS, PROVIDE WELDING WASHERS FOR DECK WITH DESIGN THICKNESS LESS THAN 0.048".
  - AT CONTRACTOR'S OPTION, HILTI X-EDN AND ENP FASTENING SYSTEMS OR APPROVED EQUIVALENTS MAY BE USED IN LIEU OF WELDS TO SUPPORTS. SUBMIT REQUEST FOR SUBSTITUTION ALONG WITH DOCUMENTATION INDICATING EQUIVALENT CAPACITY AND STIFFNESS WILL BE ACHIEVED.
- B. STEEL ROOF DECK
- ROOF DECK SHALL BE DESIGNED, FABRICATED, AND INSTALLED IN ACCORDANCE WITH "ANSI/S310 STANDARD FOR STEEL ROOF DECK," (LATEST EDITION).
  - ROOF DECK SHALL BE GALVANIZED.
  - STEEL ROOF DECK PROFILE AND GAGE ARE SHOWN ON THE PLANS.
  - STEEL ROOF DECK SHALL BE FASTENED TO SUPPORTS AS NOTED ON THE DRAWINGS. FASTEN DECK UNITS TO PERIMETER SUPPORTS AND ALL OTHER DECK BOUNDARIES AT 6" O.C., UNLESS NOTED OTHERWISE.
  - DO NOT SUPPORT DUCTS, CEILING, LIGHTS, PLUMBING, SPRINKLERS, ETC. FROM THE ROOF DECK.
- C. COMPOSITE STEEL FLOOR DECK
- COMPOSITE STEEL FLOOR DECK SHALL BE DESIGNED, FABRICATED, AND INSTALLED IN ACCORDANCE WITH "ANSI/S310 STANDARD FOR COMPOSITE STEEL FLOOR DECK - SLABS," (LATEST EDITION).
  - COMPOSITE STEEL FLOOR DECK PROFILE, GAGE, AND SLAB REINFORCING ARE SHOWN ON THE PLANS.
  - COMPOSITE STEEL FLOOR DECK SHALL BE GALVANIZED.
  - UNLESS NOTED OTHERWISE, TEMPORARY SHORING OF COMPOSITE DECK IS NOT REQUIRED FOR ANTICIPATED CONSTRUCTION LOAD (WET CONCRETE PLUS 20 PSF CONSTRUCTION LOAD). SEE SPECIFICATIONS FOR DEFLECTION LIMITATION. ALLOWABLE CONSTRUCTION LOADS SHALL BE SHOWN ON THE ERECTION DRAWINGS.
  - THE COMPOSITE STEEL FLOOR DECK MANUFACTURER SHALL INVESTIGATE THE NEED FOR TEMPORARY SHORING. IF REQUIRED, THE MANUFACTURER SHALL BE DESIGN AND INDICATES SHORING REQUIREMENTS ON THE SHOP DRAWINGS.
  - CONTRACTOR SHALL FURNISH THE ADDITIONAL CONCRETE DUE TO WET CONCRETE DEFLECTION OF THE COMPOSITE DECK.
  - COMPOSITE STEEL FLOOR DECK SHOP DRAWINGS SHALL INDICATE THE TYPE, SIZE, AND SHEAR VALUE AND LAYOUT OF SHEAR CONNECTORS (S.C.) REQUIRED FOR COMPOSITE BEAMS. SEE SPECIFICATIONS, COMPOSITE BEAM NOTES, AND DRAWINGS FOR S.C. REQUIREMENTS.
  - COMPOSITE STEEL FLOOR DECK SHALL BE FASTENED TO SUPPORTS AS NOTED ON THE DRAWINGS. FASTEN DECK UNITS TO PERIMETER SUPPORTS AND ALL OTHER DECK BOUNDARIES AT 6" O.C., UNLESS NOTED OTHERWISE.

- 5.5 COLD-FORMED METAL FRAMING (CFMF)
- A. GENERAL
- COLD-FORMED METAL FRAMING SHALL BE FABRICATED, AND ERECTED IN ACCORDANCE WITH "AISI S200 NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS" AND "AISI S200 NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" (EDITIONS REFERENCED BY APPLICABLE BUILDING CODE).
  - COLD-FORMED METAL FRAMING SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH "AISI S200 NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS" AND "AISI S200 NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" (EDITIONS REFERENCED BY APPLICABLE BUILDING CODE).
  - ALL STUD AND TRACK DESIGNATIONS ARE BASED ON THE "STEEL STUD MANUFACTURER'S ASSOCIATION - PRODUCT TECHNICAL GUIDE". ALTERNATES MAY BE SUBMITTED WHICH EQUAL OR EXCEED THE PROPERTIES OF THE SPECIFIED MEMBER WHEN APPROVED IN WRITING BY THE ENGINEER OF RECORD.
  - ALL FRAMING SHALL BE GALVANIZED MEETING ASTM A652, G-60 (OR EQUIVALENT). TOUCH UP ALL WELDS AND DAMAGED AREAS WITH APPROVED GALVANIZING TOUCH-UP PAINT.
  - ALL CONNECTIONS SHALL BE WELDED U.N.O. WELDING SHALL BE IN ACCORDANCE WITH "AWS D1.2, STRUCTURAL WELDING CODE - SHEET STEEL."
  - AT LOAD-BEARING METAL STUD WALLS, PROVIDE A MINIMUM OF 10" OF UNPUNCHED STEEL AT BOTH ENDS OF STUDS.
  - WHERE STEEL ANGLES OR OTHER STEEL SHAPES ARE WELDED TO METAL STUDS, CONNECT METAL TRACKS TO METAL STUDS WITH WELDS, NOT SCREWS.
  - COMPLETE, UNIFORM, AND LEVEL BEAR

- PART 6 - TIMBER
- 6.1 WOOD
- A. STANDARDS: "TIMBER CONSTRUCTION MANUAL" BY AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (LATEST EDITION), "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" BY NATIONAL FOREST PRODUCTS ASSOCIATION (LATEST EDITION)
- B. PROVIDE 1"x2" OR EQUIVALENT METAL CROSS BRIDGING NOT OVER 8 FEET ON CENTER FOR ALL WOOD JOISTS AND FLOOR TRUSSES.
- C. 2x JOISTS SHALL NOT BE NOTCHED GREATER THAN 1" FROM THE BOTTOM OF THE JOISTS AND SHALL NOT HAVE A LENGTH GREATER THAN 3'-6" FROM THE CENTER LINE OF SUPPORT.
- D. ALL LUMBER SHALL CONFORM TO THE SPECIES AND FULLY RECOGNIZE NOMINAL SIZES SHOWN ON THE FLOOR PLANS OR TRUSS ENGINEERS' DESIGN. ALL MEMBERS SHALL BE CUT FROM LUMBER, WHICH BEARS THE PROPER GRADEMARK STAMP OF A RECOGNIZED GRADING ASSOCIATION OR LICENSED LUMBER INSPECTION AGENCY. NO LUMBER SHALL BE USED WHICH DOES NOT APPEAR TO CONFORM TO THE PROPER DIMENSIONS AND/OR GRADE.
- E. AT WALL CONSTRUCTION PROVIDE BLOCKING AT ALL EDGES OF SHEATHING.
- F. PROVIDE DOUBLE JOISTS UNDER NON-BEARING WALL PARALLEL TO JOISTS.
- G. PROVIDE 2x BLOCKING BETWEEN FLOOR JOISTS AT INTERIOR BEARING WALLS.
- H. BEAMS AND STRINGERS SHALL BE SOUTHERN PINE NO. 1 WITH THE FOLLOWING MINIMUM PROPERTIES:
- A. Fb = 1200 PSI
  - B. Fv = 175 PSI
  - C. E = 1,600,000 PSI UNLESS OTHERWISE NOTED ON PLAN
- I. FLOOR DECKING WITH THE FOLLOWING MINIMUM PROPERTIES:
- A. Fb = 1200 PSI
  - B. E = 1,000,000 PSI
- J. POSTS AND TIMBERS SHALL BE SOUTHERN PINE NO 1 WITH THE FOLLOWING MINIMUM PROPERTIES:
- A. Fc (PARALLEL TO GRAIN) = 1000 PSI
  - B. E = 1,600,000 PSI UNLESS OTHERWISE NOTED ON PLAN
- K. PLYWOOD SHALL BE AS FOLLOWS:
- A. PLYWOOD SHOULD BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO SUPPORT.
  - B. FLOOR: 3/4" THICK, CDX EXPOSURE I, 5 PLY WITH A 48/24 APA SPAN RATING.
  - C. ROOF: 1/2" THICK, CDX EXPOSURE I, 5 PLY WITH A 32/16 APA SPAN RATING.
  - D. REFER TO THE INTERNATIONAL BUILDING CODE (IBC) FOR ADDITIONAL INFORMATION.
- L. WHERE NOTED ON PLAN, USE LAMINATED VENEER LUMBER WITH THE FOLLOWING MINIMUM PROPERTIES:
- A. Fb = 2800 PSI
  - B. E = 2,00,000 PSI
  - C. Fv = 250 PSI
- M. PROVIDE TRIPLE WOOD STUD BUILT-UP COLUMNS AT EACH END OF BEAM OR HEADER UNLESS OTHERWISE NOTED.
- N. PROVIDE SIMPSON OR EQUAL STANDARD COLUMN BASES, COLUMN CAP, JOISTS HANGERS AND BEAM HANGERS WHERE REQUIRED FOR FLOOR AND ROOF FRAMING.
- O. WALLING SHALL CONFORM TO THE WALLING SCHEDULE ACCORDING TO THE IBC OR AS INDICATED ON DRAWINGS FOR DIAPHRAGM AND SHEAR WALLS.
- P. ALL WOOD FRAMING IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED. THE QUANTITY AND SIZE OF FASTENERS CONNECTING WOOD FRAME MEMBERS TOGETHER AND SHEATHING MATERIALS TO WOOD FRAME MEMBERS SHALL NOT BE LESS THAN THAT SPECIFIED IN TABLE 2304.9.1 OF IBC 2018.
- R. ROOF SHEATHING:
- ROOF SHEATHING SHALL BE INSTALLED PERPENDICULAR TO TIMBER FRAMING.
  - ATTACH SHEATHING AS INDICATED PER IBC 2018.
  - PROVIDE H-CLIPS MIDWAY BETWEEN TIMBER ROOF FRAMING.

- 6.2 SOLID TIMBER DECKING
- A. DECKING SHALL CONFORM TO AISI 112, "STANDARD FOR TONGUE AND GROOVE HEAVY TIMBER ROOF DECK."
- B. DECKING SHALL CONSIST OF RANDOM LENGTHS PLACED IN A CONTROLLED RANDOM LAY-UP, CONTINUOUS OVER THREE OR MORE EQUAL SPANS.
- C. SPECIES AND QUALITY GRADE: DOUGLAS FIR, SELECT.
- D. SOLID TIMBER DECKING IN COMBINATION WITH A PLYWOOD OVERLAY, IS DESIGNATED TO FUNCTION AS A DIAPHRAGM. PLYWOOD AND WALLING PATTERNS SHALL BE PER IBC 2018.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS (2018 IBC, TABLE 1705.6)

VERIFICATION AND INSPECTION	FREQUENCY		REFERENCED STANDARD
	CONTINUOUS	PERIODIC	
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATION ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	X	--	
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	X	--	
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	--	X	
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	--	
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	X	--	

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION (2018 IBC, TABLE 1705.3)

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
3. INSPECT ANCHORS CAST IN CONCRETE	--	X	ACI 318: 17.8.2	--
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.	X	X	ACI 318: 17.8.2.4	--
5. VERIFY USE OF REQUIRED DESIGN MIX.	--	X	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	--	ASTM C172	1908.10
7. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	--	ACI 318: 26.5.12	1908.6, 1908.7
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	--	X	ACI 318: 26.5.3, 26.5.5	1908.9
9. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	--	X	ACI 318: 26.11.1, 2.8)	--

REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION (2018 IBC, SECTION 1705.4)

SPECIAL INSPECTION ITEM	TYPE OF INSPECTION		REMARKS
	CONTINUOUS	PERIODIC	
1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.		X	
2. Verification of compressive strength of masonry prior to construction and for every 5,000 square feet during construction.		X	
3. Verification of proportions of materials in premixed or preblended mortar and grout as delivered to the site.		X	
4. As masonry construction begins, verify that the following are in compliance: <ol style="list-style-type: none"> <li>Proportions of site-prepared mortar and grout.</li> <li>Placement of masonry units and construction of mortar joints.</li> <li>Location of reinforcement and control joints.</li> </ol>		X	
5. Prior to grouting, verify that the following are in compliance: <ol style="list-style-type: none"> <li>Grout space.</li> <li>Grade, type and size of reinforcement and anchor bolts.</li> <li>Placement of reinforcement.</li> <li>Proportions of site-prepared grout.</li> <li>Construction of mortar joints.</li> </ol>		X	
6. Verify during construction: <ol style="list-style-type: none"> <li>Size and location of structural elements.</li> <li>Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.</li> <li>Welding of reinforcement (if permitted).</li> <li>Preparation, construction and protection of masonry during cold weather (temperature below 40 degrees F) or hot weather (temperature above 90 degrees F).</li> <li>Placement of grout.</li> </ol>		X	
7. Preparation of any required grout specimens and/or plans shall be observed.		X	

SPECIAL INSPECTION ITEM	TYPE OF INSPECTION		REMARKS
	CONTINUOUS	PERIODIC	
1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.		X	
2. Verification of compressive strength of masonry prior to construction and for every 5,000 square feet during construction.		X	
3. Verification of proportions of materials in premixed or preblended mortar and grout as delivered to the site.		X	
4. As masonry construction begins, verify that the following are in compliance: <ol style="list-style-type: none"> <li>Proportions of site-prepared mortar and grout.</li> <li>Placement of masonry units and construction of mortar joints.</li> <li>Location of reinforcement and control joints.</li> </ol>		X	
5. Prior to grouting, verify that the following are in compliance: <ol style="list-style-type: none"> <li>Grout space.</li> <li>Grade, type and size of reinforcement and anchor bolts.</li> <li>Placement of reinforcement.</li> <li>Proportions of site-prepared grout.</li> <li>Construction of mortar joints.</li> </ol>		X	
6. Verify during construction: <ol style="list-style-type: none"> <li>Size and location of structural elements.</li> <li>Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.</li> <li>Welding of reinforcement (if permitted).</li> <li>Preparation, construction and protection of masonry during cold weather (temperature below 40 degrees F) or hot weather (temperature above 90 degrees F).</li> <li>Placement of grout.</li> </ol>		X	
7. Preparation of any required grout specimens and/or plans shall be observed.		X	

SPECIAL INSPECTION ITEM	TYPE OF INSPECTION		REMARKS
	CONTINUOUS	PERIODIC	
1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.		X	
2. Verification of compressive strength of masonry prior to construction and for every 5,000 square feet during construction.		X	
3. Verification of proportions of materials in premixed or preblended mortar and grout as delivered to the site.		X	
4. As masonry construction begins, verify that the following are in compliance: <ol style="list-style-type: none"> <li>Proportions of site-prepared mortar and grout.</li> <li>Placement of masonry units and construction of mortar joints.</li> <li>Location of reinforcement and control joints.</li> </ol>		X	
5. Prior to grouting, verify that the following are in compliance: <ol style="list-style-type: none"> <li>Grout space.</li> <li>Grade, type and size of reinforcement and anchor bolts.</li> <li>Placement of reinforcement.</li> <li>Proportions of site-prepared grout.</li> <li>Construction of mortar joints.</li> </ol>		X	
6. Verify during construction: <ol style="list-style-type: none"> <li>Size and location of structural elements.</li> <li>Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.</li> <li>Welding of reinforcement (if permitted).</li> <li>Preparation, construction and protection of masonry during cold weather (temperature below 40 degrees F) or hot weather (temperature above 90 degrees F).</li> <li>Placement of grout.</li> </ol>		X	
7. Preparation of any required grout specimens and/or plans shall be observed.		X	

REQUIRED INSPECTION & NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS (2018 IBC, SECTION 1705.2.1)

TASK	INSPECTION TYPE	DESCRIPTION
1. VERIFY THAT THE WELDING PROCEDURES SPECIFICATION (WPS) IS AVAILABLE	PERFORM	-
2. VERIFY MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES ARE AVAILABLE	PERFORM	-
3. VERIFY MATERIAL IDENTIFICATION	PERFORM	TYPE AND GRADE
4. WELDER IDENTIFICATION SYSTEM	PERFORM	-
5. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)	OBSERVE	THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE. • JOINT PREPARATION • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) • BACKING TYPE AND FIT (IF APPLICABLE)
6. CONFIGURATION AND FINISH OF ACCESS HOLES	OBSERVE	-
7. FIT-UP OF FILLET WELDS	OBSERVE	• DIMENSIONS (ALIGNMENT, GAPS AT ROOT) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)

STEEL INSPECTION DURING WELDING - VERIFY THE FOLLOWING ARE IN COMPLIANCE

TASK	INSPECTION TYPE	DESCRIPTION
8. USE OF QUALIFIED WELDERS	PERFORM	WELDING BY WELDERS, WELDING OPERATORS, AND TACK WELDERS WHO ARE QUALIFIED IN CONFORMANCE WITH REQUIREMENTS
9. CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE	• PACKAGING • ELECTRODE ATMOSPHERIC EXPOSURE CONTROL
10. NO WELDS OVER CRACKED TACK WELDS	OBSERVE	-
11. ENVIRONMENTAL CONDITIONS	OBSERVE	• WIND SPEED WITHIN LIMITS • PRECIPITATION AND TEMPERATURE
12. WELDING PROCEDURES SPECIFICATION FOLLOWED	OBSERVE	• SETTINGS ON WELDING EQUIPMENT • TRAINING OF WELDERS • SELECTED WELDING MATERIALS • SHIELDING GAS TYPE/FLOW RATE • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MIN. IMAK.) • PROPER POSITION (F.V.H.O.H) • INTERMIX OF FILLER METALS AVOIDED
13. WELDING TECHNIQUES	OBSERVE	• INTERPASS AND FINAL CLEANING • CLEANLINESS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS

STEEL INSPECTION AFTER WELDING - VERIFY THE FOLLOWING ARE IN COMPLIANCE

TASK	INSPECTION TYPE	DESCRIPTION
14. WELDS CLEANED	OBSERVE	-
15. SIZE, LENGTH, AND LOCATION OF ALL WELDS	PERFORM	• SIZE, LENGTH, AND LOCATION OF ALL WELDS CONFORM TO THE REQUIREMENTS OF THE DETAIL DRAWINGS
16. WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM & DOCUMENT	• CRACK PROHIBITION • WELD BASE/METAL FUSION • CRATER CROSS SECTION • WELD PROFILES • WELD SIZE • UNDERCUT • POROSITY
17. ARC STRIKES	PERFORM	-
18. K-AREA	OBSERVE	WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS
19. BACKING REMOVED, WELD TABS REMOVED AND FINISHED, AND FILLET WELDS ADDED WHERE REQUIRED	OBSERVE	-
20. REPAIR ACTIVITIES	PERFORM & DOCUMENT	-
21. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	OBSERVE	-

END SECTION

\*PERFORM: PERFORM THESE TASKS FOR EACH WELD, FASTENER OR BOLTED CONNECTION, AND REQUIRED VERIFICATION  
\*OBSERVE: OBSERVE THESE ITEMS ON A RANDOM SAMPLING BASIS DAILY TO INSURE THAT APPLICABLE REQUIREMENTS ARE MET. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS AT CONTRACTOR'S RISK

STRUCTURAL STEEL - BOLTING SECTION

STEEL INSPECTION TASKS PRIOR TO BOLTING - VERIFY THE FOLLOWING ARE IN COMPLIANCE

TASK	INSPECTION TYPE	DESCRIPTION
1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	PERFORM	-
2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	OBSERVE	-
3. PROPER FASTENERS SELECTED FOR JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	OBSERVE	-
4. PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	OBSERVE	-
5. CONNECTING ELEMENTS, INCLUDING APPROPRIATE PAYING SURFACE CONDITION AND HOLE PREPARATION IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	OBSERVE	-
6. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS	OBSERVE	-

STEEL INSPECTION TASKS DURING BOLTING - VERIFY THE FOLLOWING ARE IN COMPLIANCE

TASK	INSPECTION TYPE	DESCRIPTION
7. FASTENER ASSEMBLIES OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	OBSERVE	-
8. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO PRETENSIONING OPERATION	OBSERVE	-
9. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	OBSERVE	-
10. BOLTS ARE PRETENSIONED IN ACCORDANCE WITH RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	OBSERVE	-

STEEL INSPECTION TASKS AFTER BOLTING - VERIFY THE FOLLOWING ARE IN COMPLIANCE

TASK	INSPECTION TYPE	DESCRIPTION
11. DOCUMENT ACCEPTANCE OR REJECTION OF ALL BOLTED CONNECTIONS	DOCUMENT	-

END SECTION

\*PERFORM: PERFORM THESE TASKS FOR EACH WELD, FASTENER OR BOLTED CONNECTION, AND REQUIRED VERIFICATION  
\*OBSERVE: OBSERVE THESE ITEMS ON A RANDOM SAMPLING BASIS DAILY TO INSURE THAT APPLICABLE REQUIREMENTS ARE MET. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS AT CONTRACTOR'S RISK  
\*DOCUMENT: DOCUMENT IN A REPORT THAT THE WORK HAS BEEN PERFORMED AS REQUIRED. THIS IS IN ADDITION TO ALL OTHER REQUIRED REPORTS.

STRUCTURAL STEEL - NON DESTRUCTIVE TESTING SECTION

NONDESTRUCTIVE TESTING OF WELDED JOINTS - VERIFY THE FOLLOWING ARE IN COMPLIANCE

TASK	INSPECTION TYPE	DESCRIPTION
1. USE OF QUALIFIED NONDESTRUCTIVE TESTING PERSONNEL	PERFORM	VISUAL WELD INSPECTION AND NONDESTRUCTIVE TESTING (NDT) SHALL BE CONDUCTED BY PERSONNEL QUALIFIED IN ACCORDANCE WITH AWS D1.1 CLAUSE 7.2
2. CJP GROOVE WELDS	OBSERVE	DYE PENETRANT TESTING (DT)



**CLIENT**  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

**MEP/FP ENGINEER**  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.1612

**LIGHTING DESIGN**  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

**COST ESTIMATING**  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 610.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

**LEED CONSULTANT**  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.315.0557  
 www.databasedp.com

DATE:	DESCRIPTION:

## FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

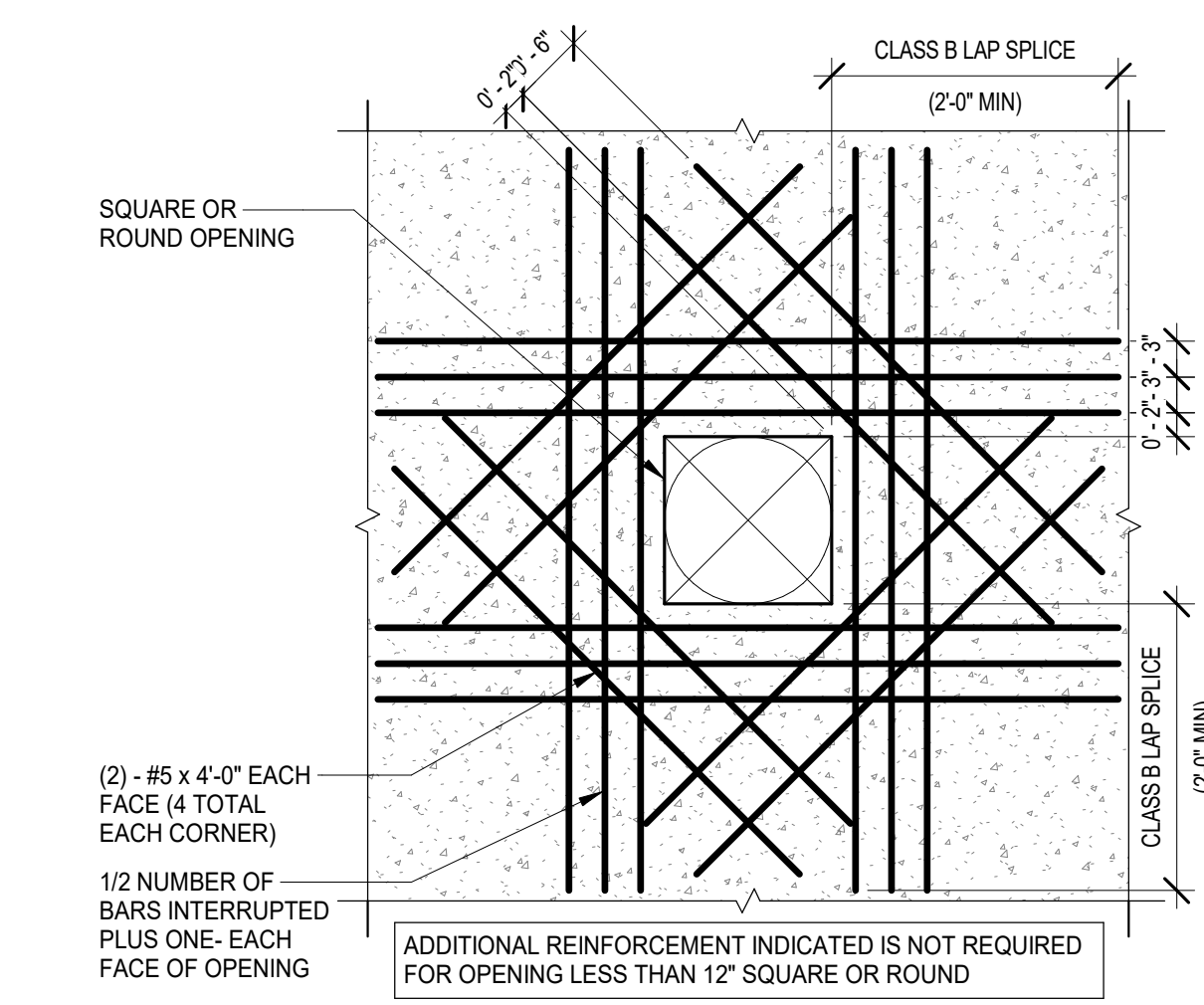
5800 Chester Ave  
 Philadelphia, PA 19143

PROJECT #: 2020  
 SCALE: As indicated  
 FORMAT: 30" X 42"  
 DRAWN: AB  
 CHECKED: JE  
 DATE: 4/7/2023

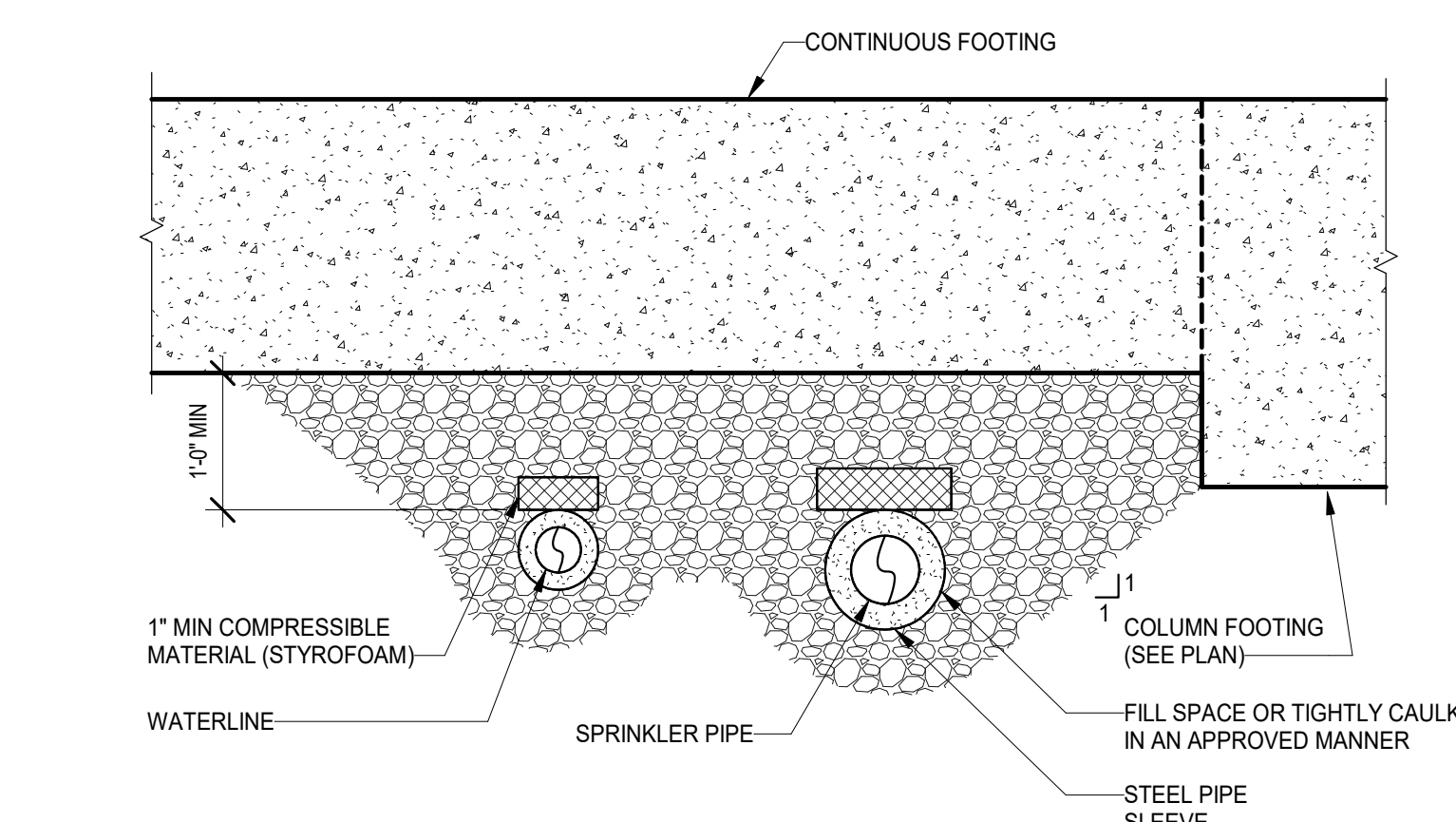
### SHEET NAME: TYPICAL FOUNDATION DETAILS

SHEET NUMBER:  
**S011**

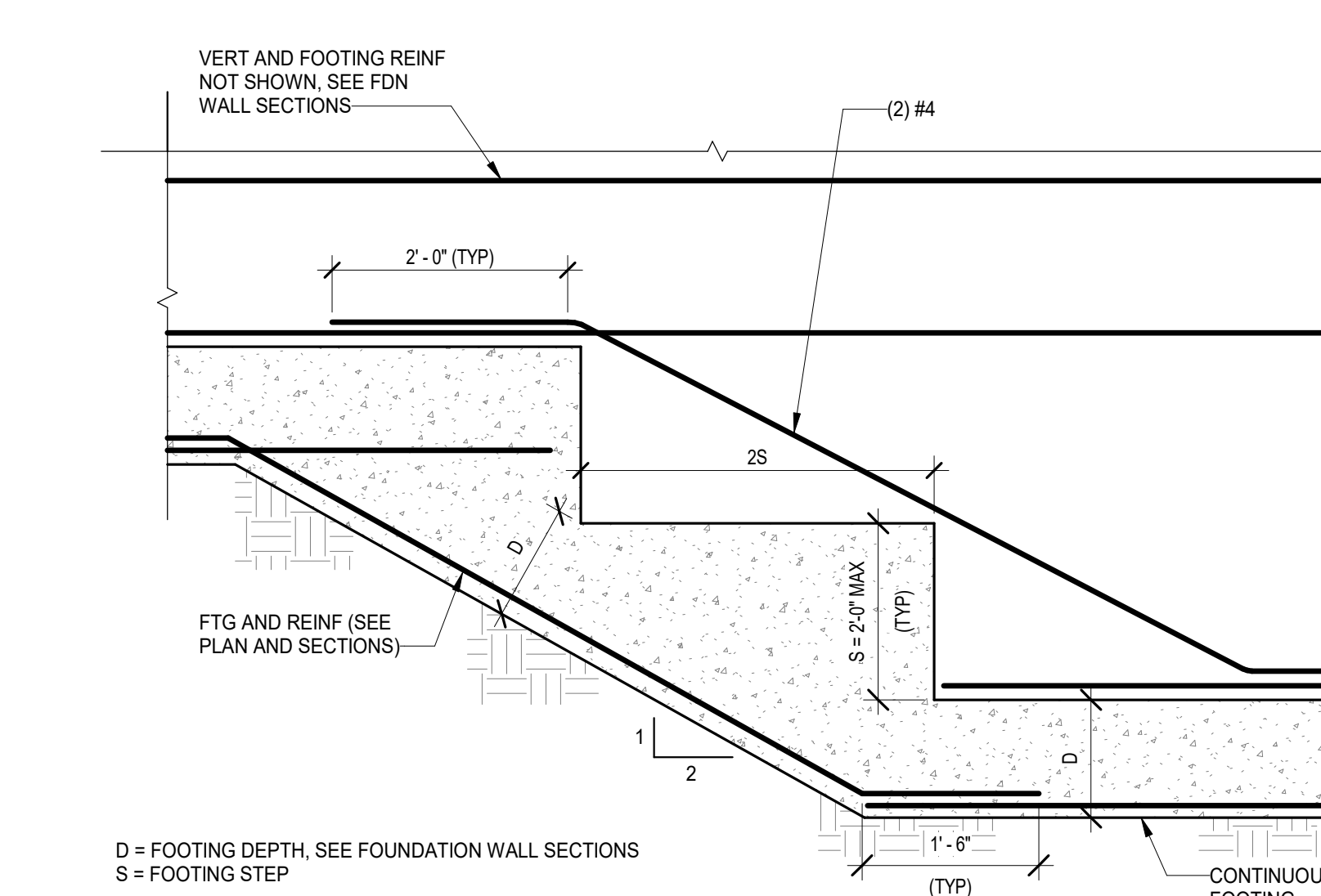
PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



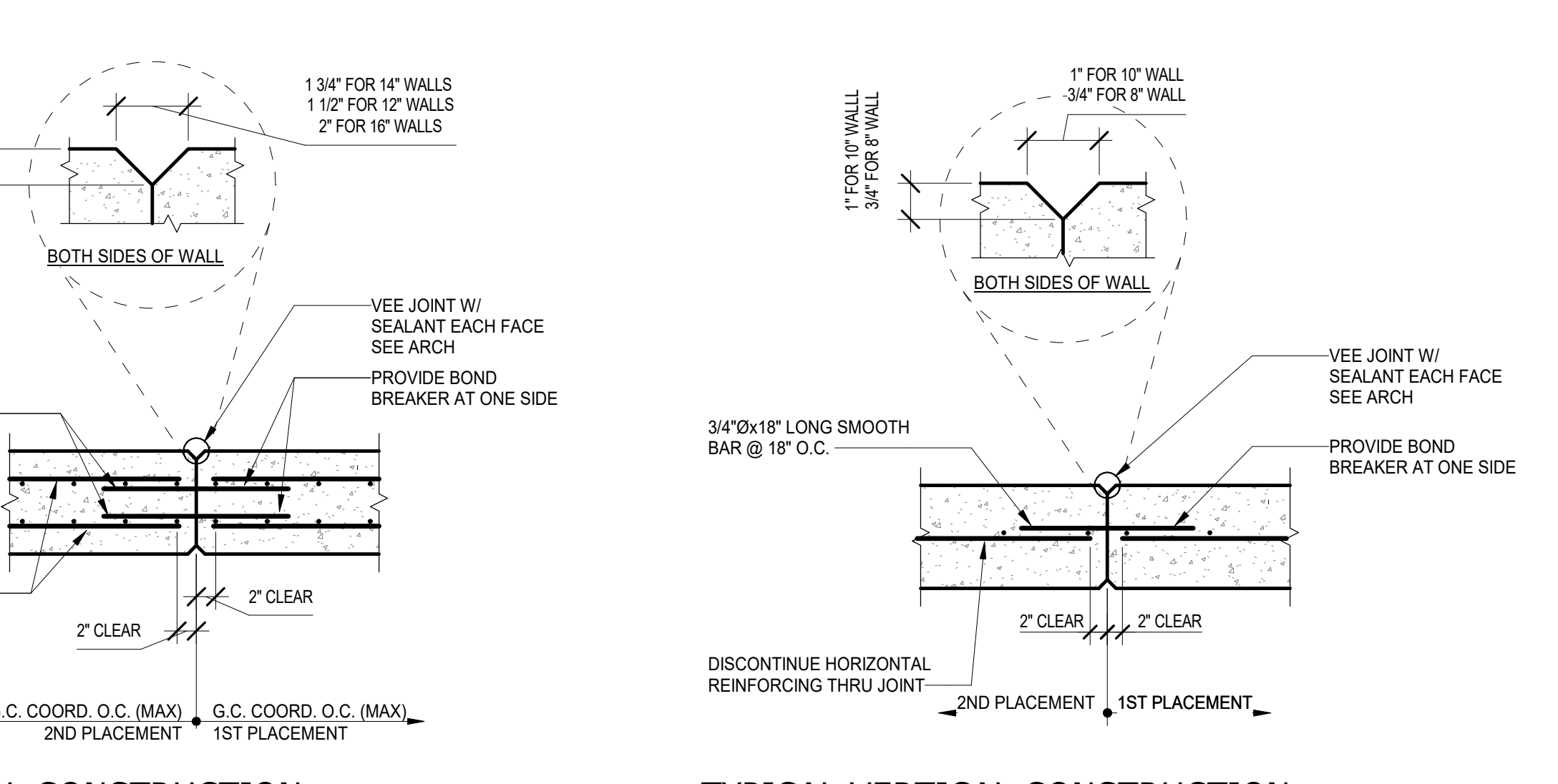
14 TYPICAL CONCRETE WALL OPENING DETAIL  
 S011 Scale: 3/4" = 1'-0"



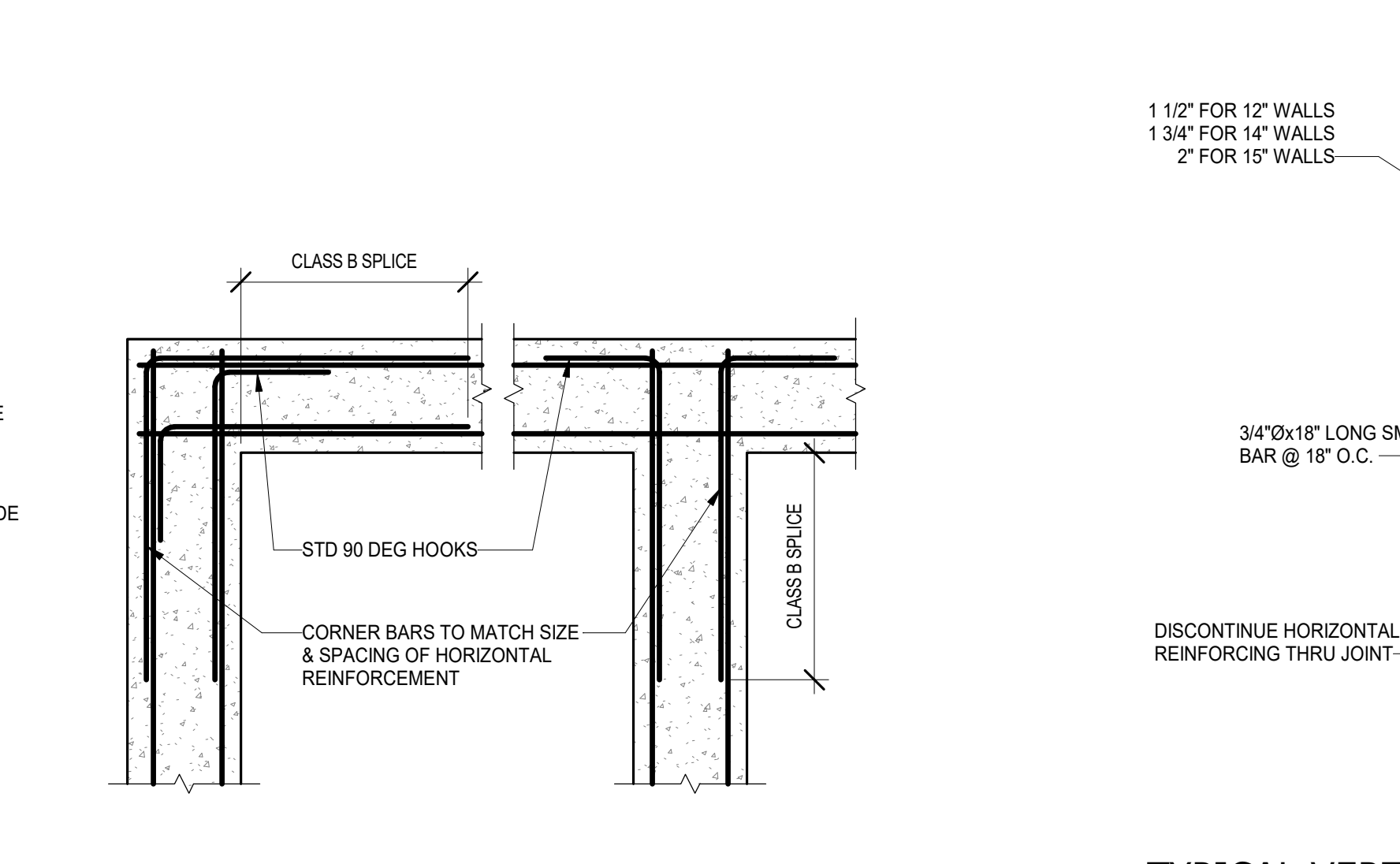
15 TYPICAL SECTION AT PIPE UNDERGROUND DETAIL  
 S011 Scale: 3/4" = 1'-0"



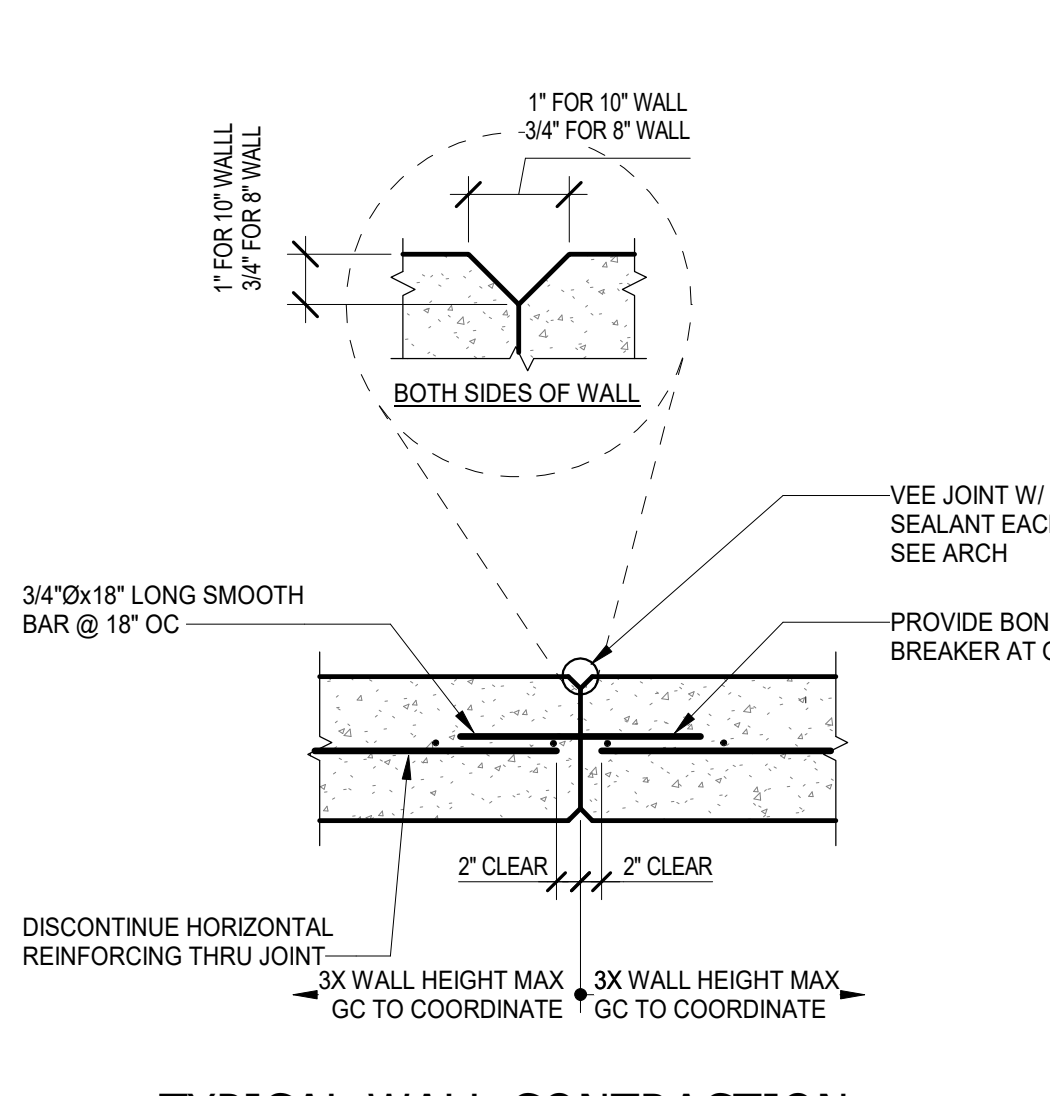
9 TYPICAL STEPPED FOOTING DETAIL  
 S011 Scale: 3/4" = 1'-0"



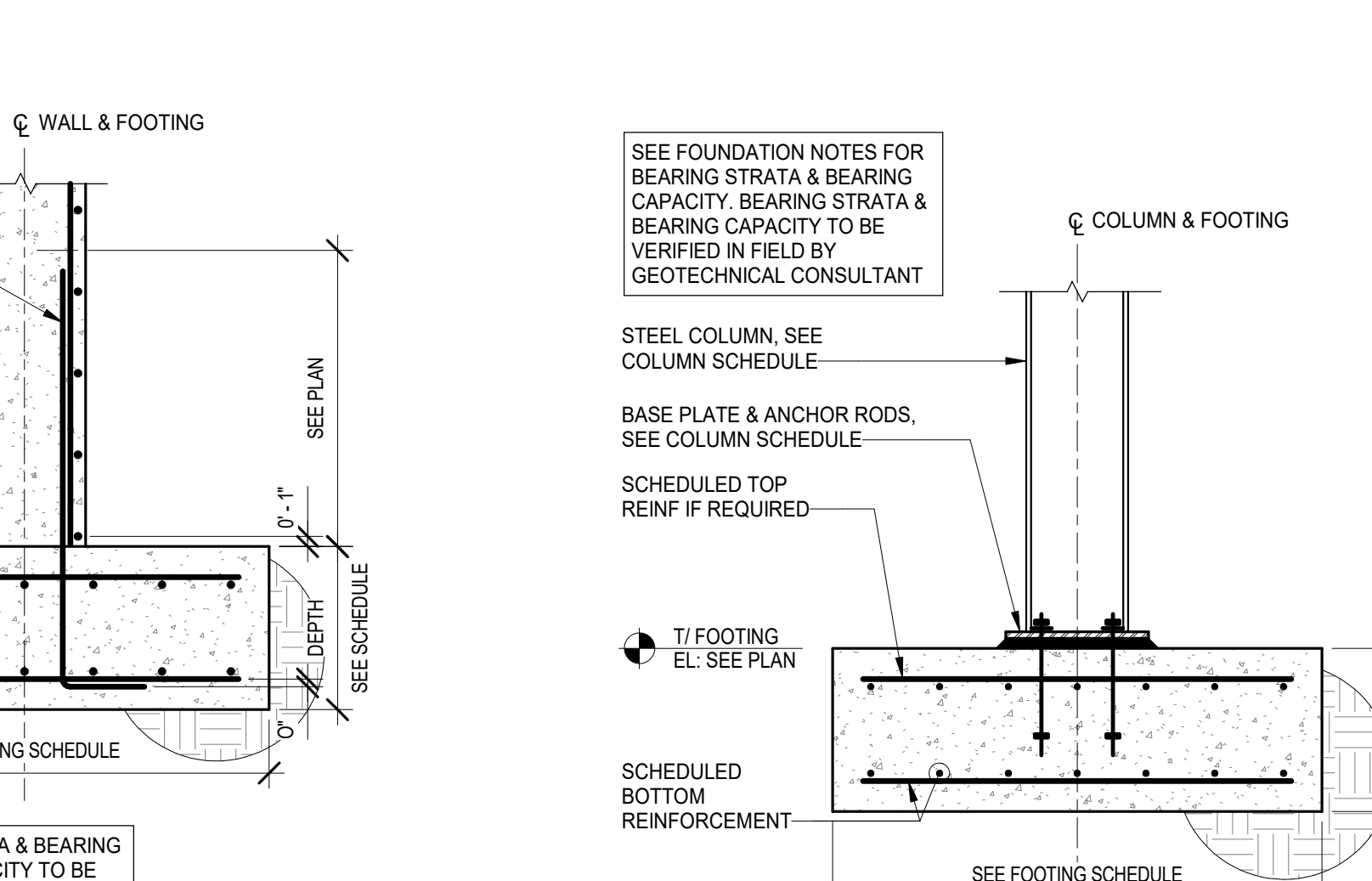
10 TYPICAL VERTICAL CONSTRUCTION JOINT DETAIL FOR 8" + 10" WALLS  
 S011 Scale: 3/4" = 1'-0"



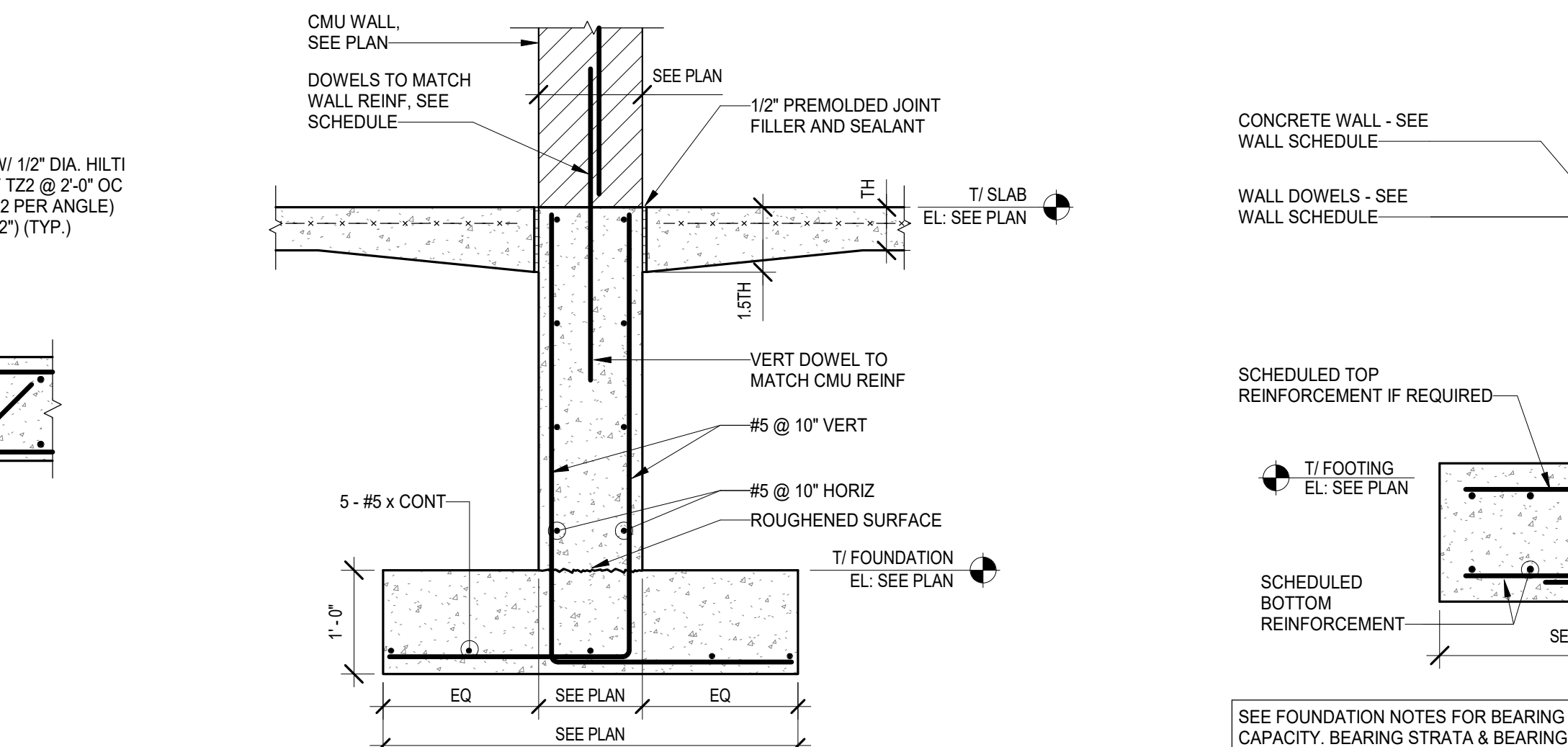
12 TYPICAL CONCRETE WALL CORNER BAR DETAIL  
 S011 Scale: 3/4" = 1'-0"



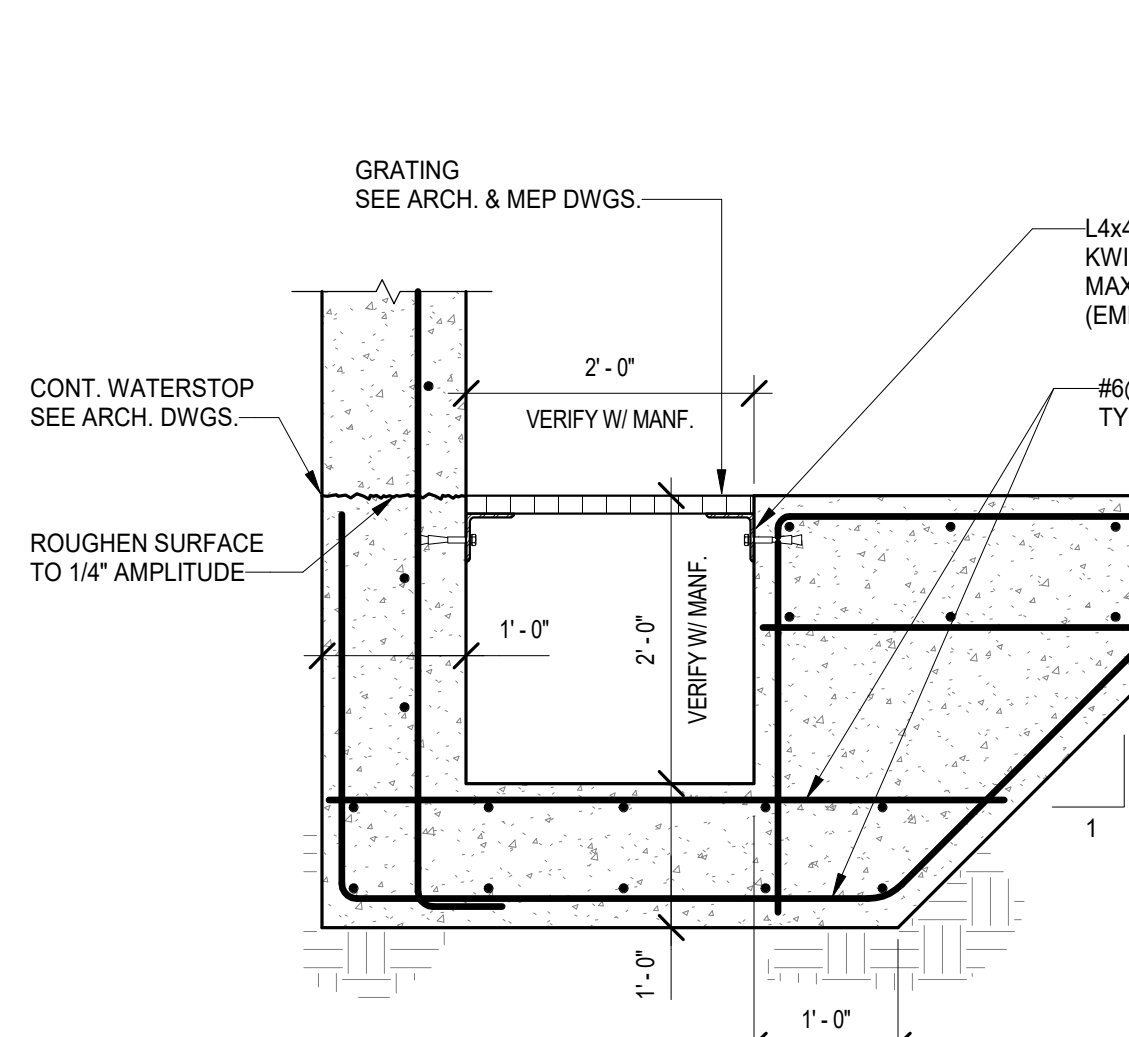
13 TYPICAL WALL CONSTRUCTION JOINT DETAIL FOR 8" + 10" WALLS  
 S011 Scale: 3/4" = 1'-0"



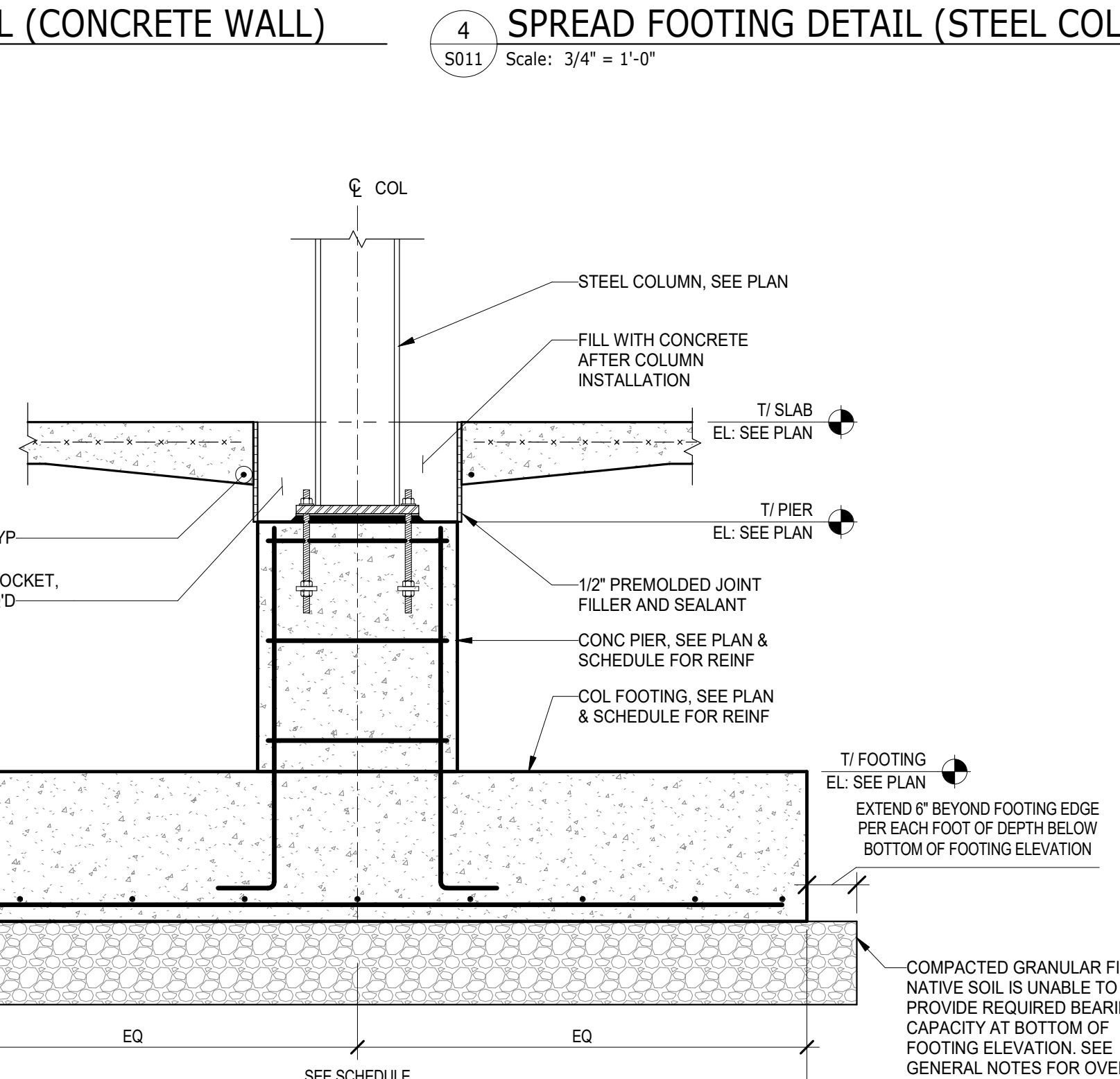
5 SPREAD FOOTING DETAIL (CONCRETE WALL)  
 S011 Scale: 3/4" = 1'-0"



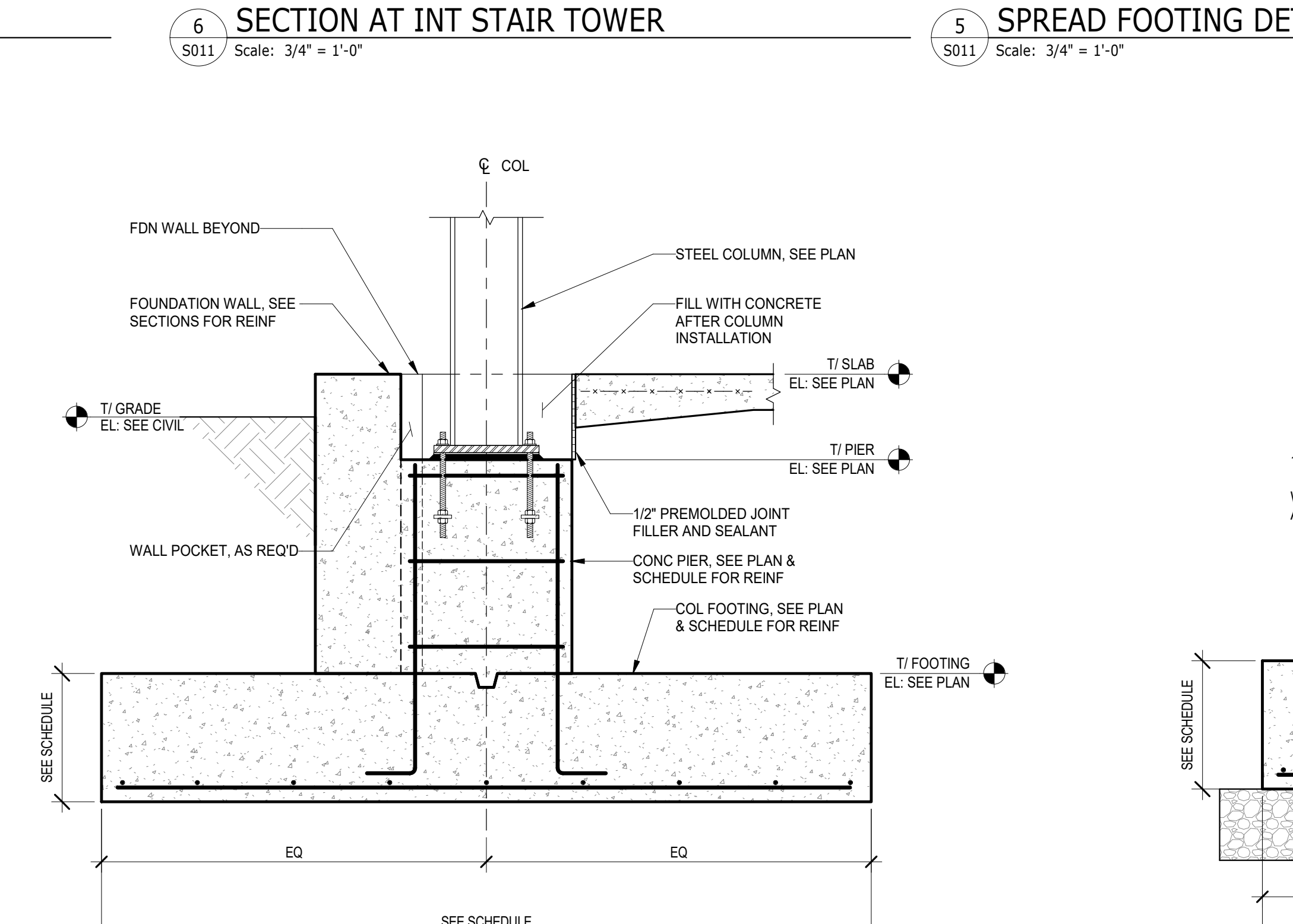
6 SECTION AT INT STAIR TOWER  
 S011 Scale: 3/4" = 1'-0"



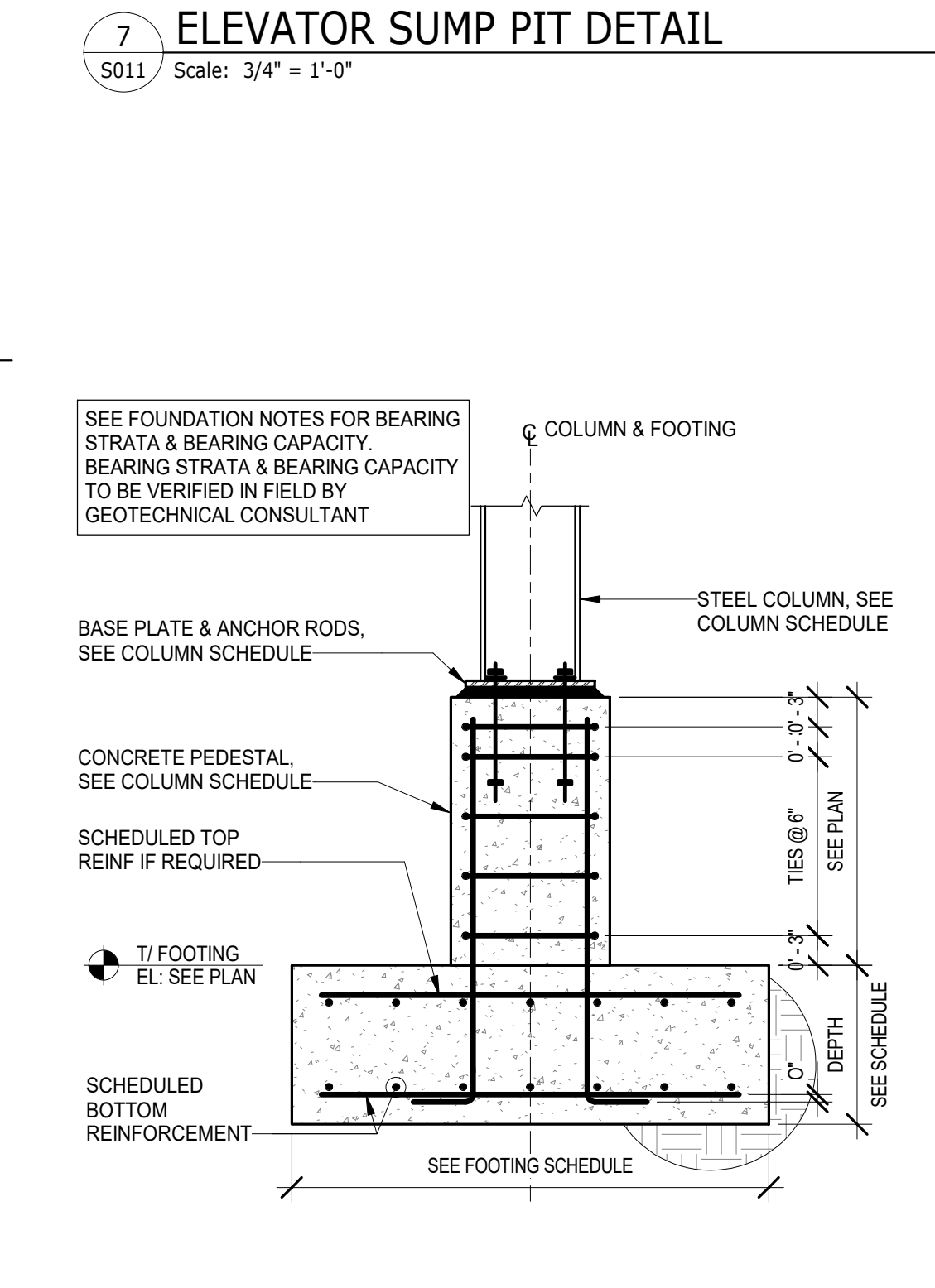
7 ELEVATOR SUMP PIT DETAIL  
 S011 Scale: 3/4" = 1'-0"



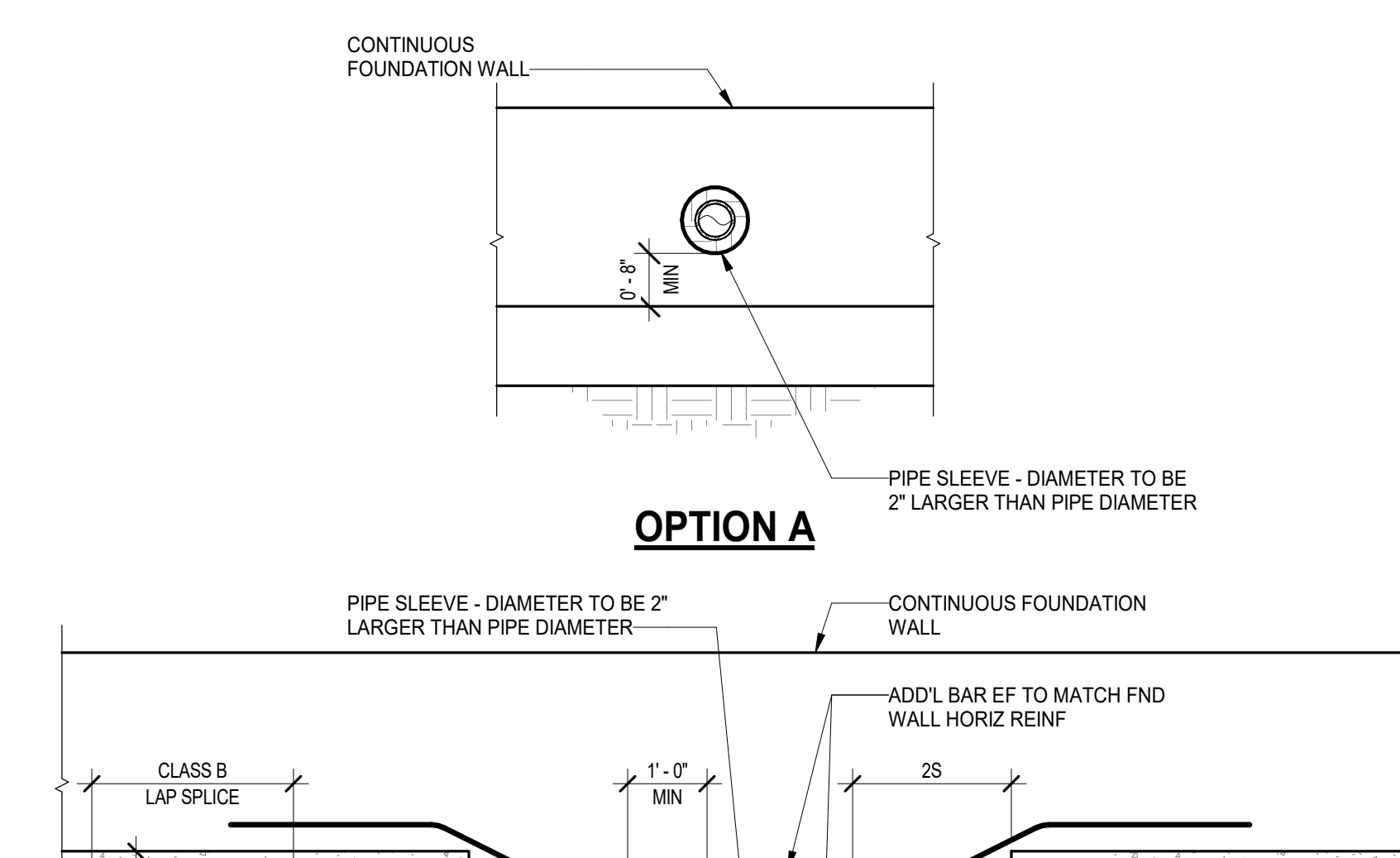
1 SECTION AT INT COLUMN CONCRETE PIER AT FOOTING  
 S011 Scale: 3/4" = 1'-0"



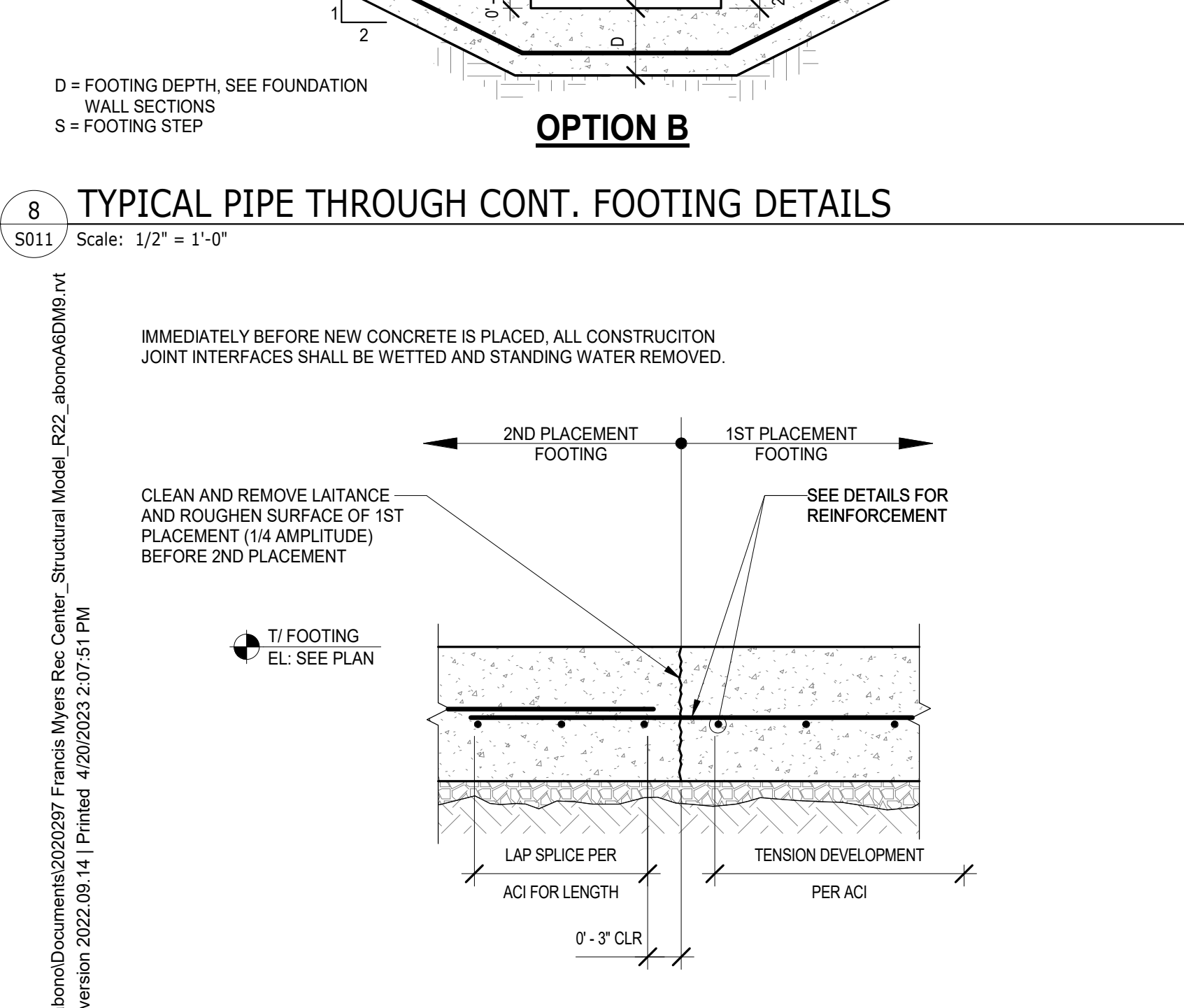
2 SECTION AT EXT COLUMN CONCRETE PIER AT FOOTING  
 S011 Scale: 3/4" = 1'-0"



3 TYP. SPREAD FOOTING DETAIL (STEEL COL. AND CONC. PEDESTAL)  
 S011 Scale: 3/4" = 1'-0"



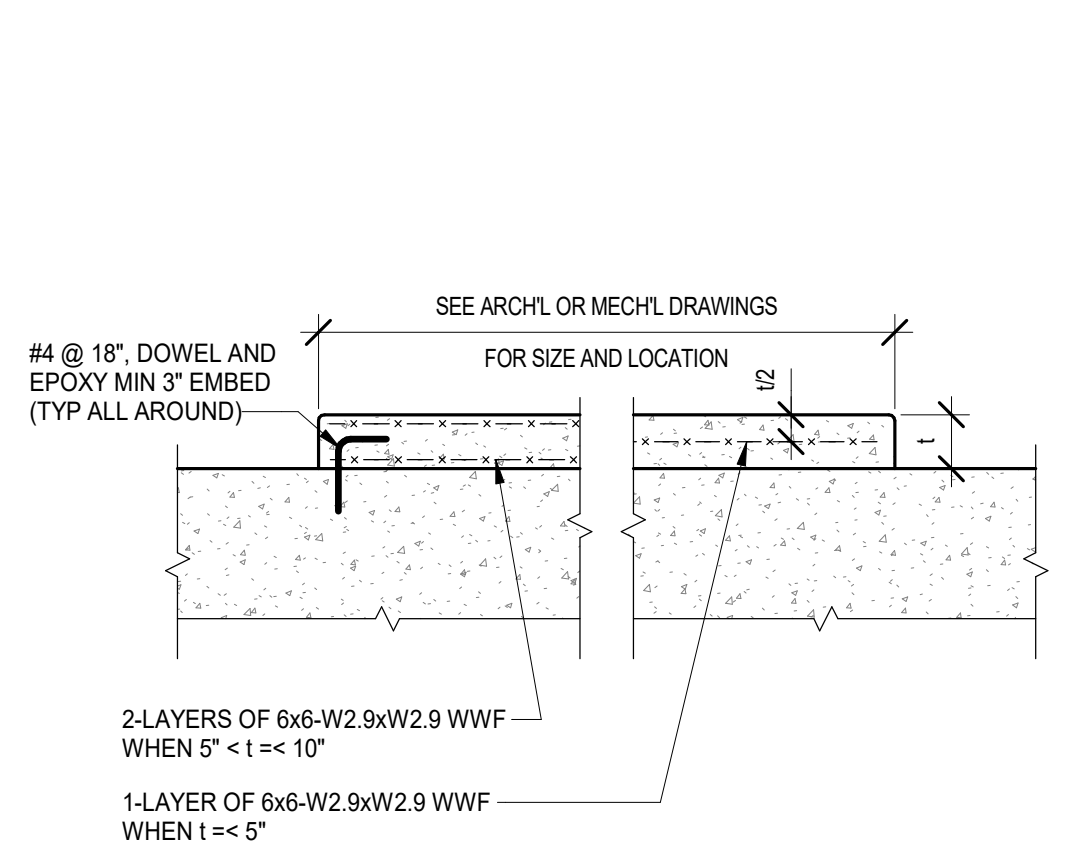
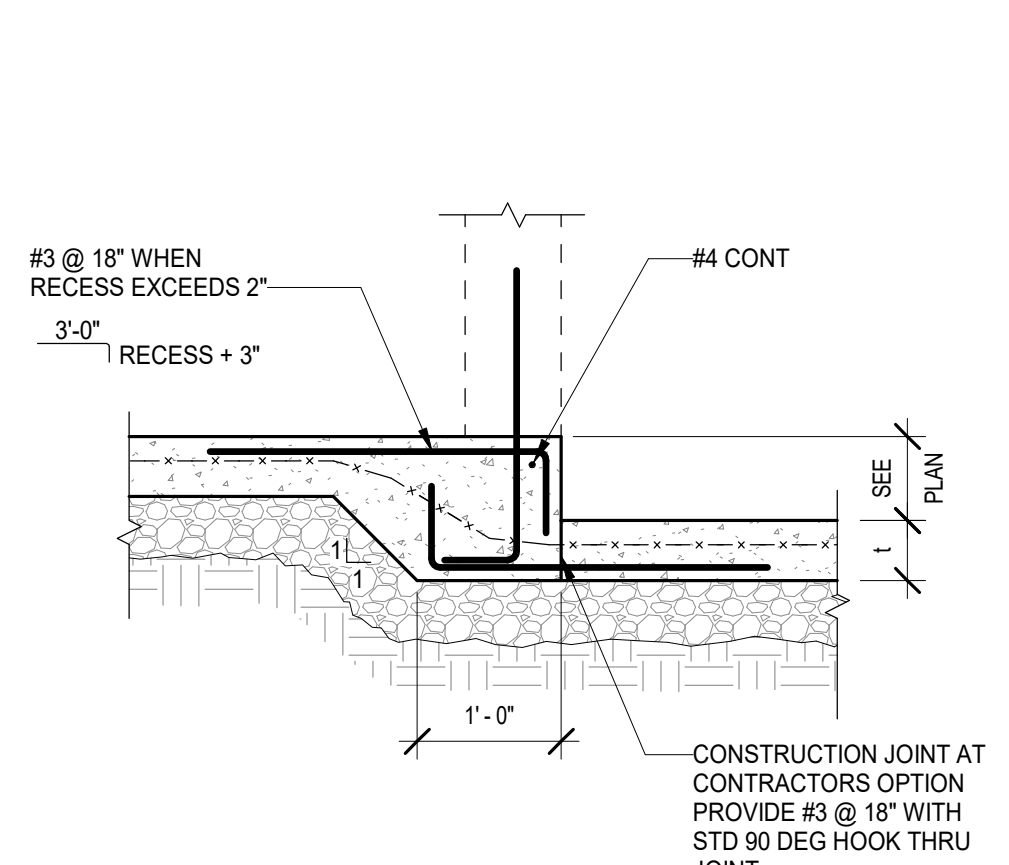
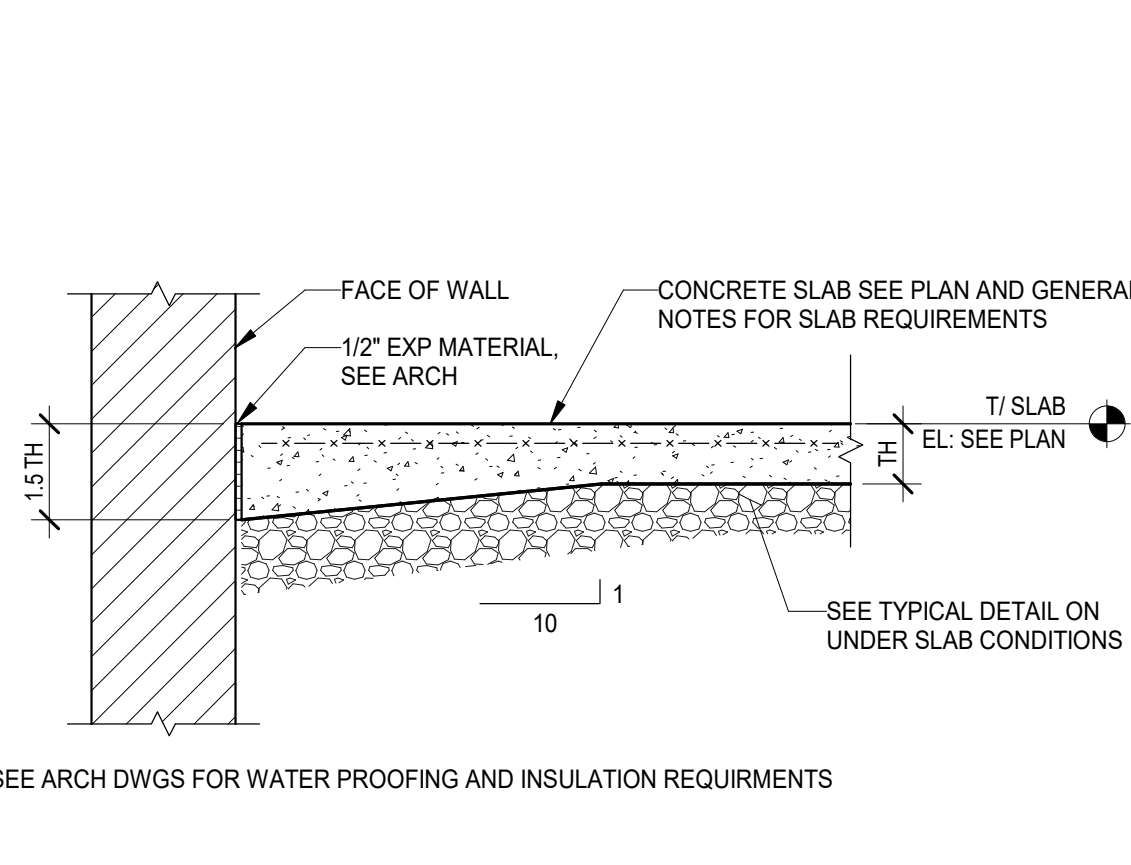
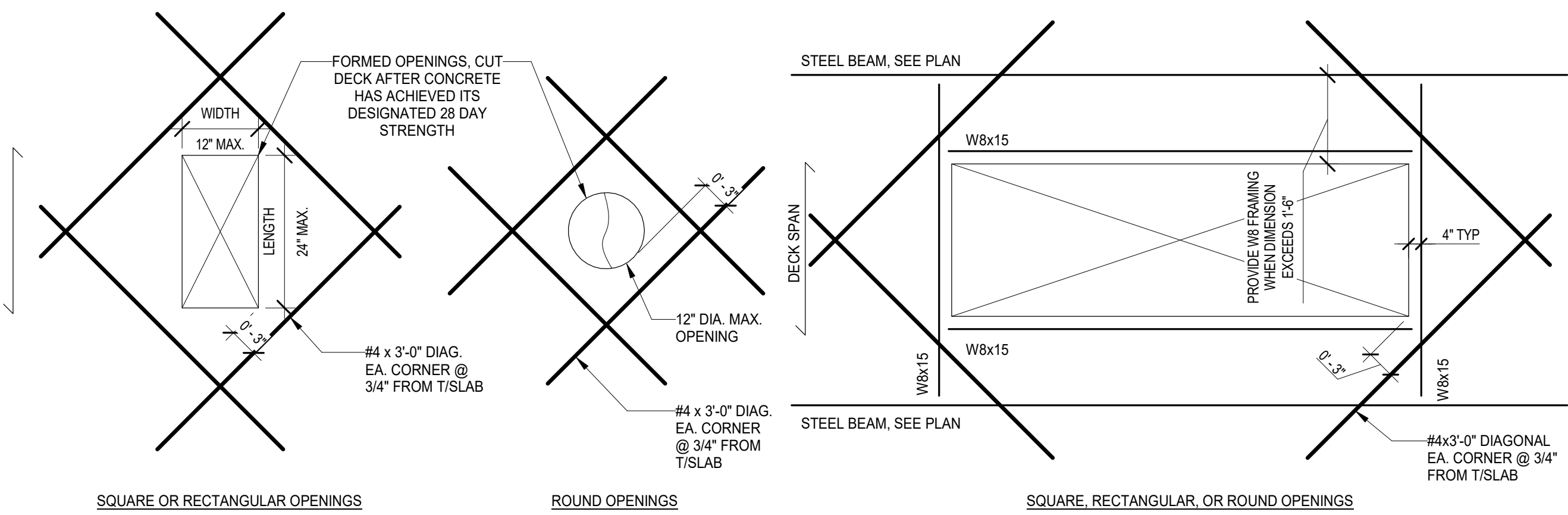
8 TYPICAL PIPE THROUGH CONT. FOOTING DETAILS  
 S011 Scale: 1/2" = 1'-0"



16 WALL FOOTING CONSTRUCTION JOINT DETAIL  
 S011 Scale: 1" = 1'-0"

Revised version 2022.11  
 2020 Francis J. Myers  
 C:\Users\ajohnson\Documents\20202020 Francis J. Myers Rec Center - Structural Model\_R02\_abbreviated.dwg  
 4/20/2023 2:07:51 PM



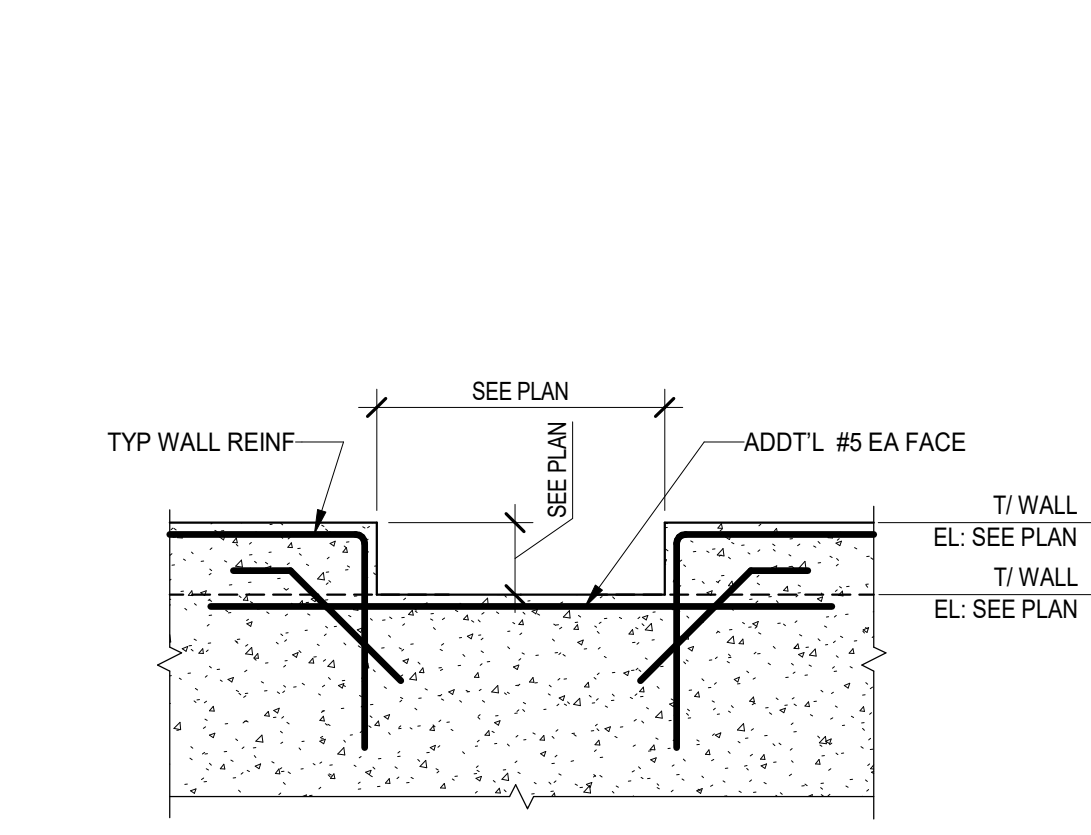
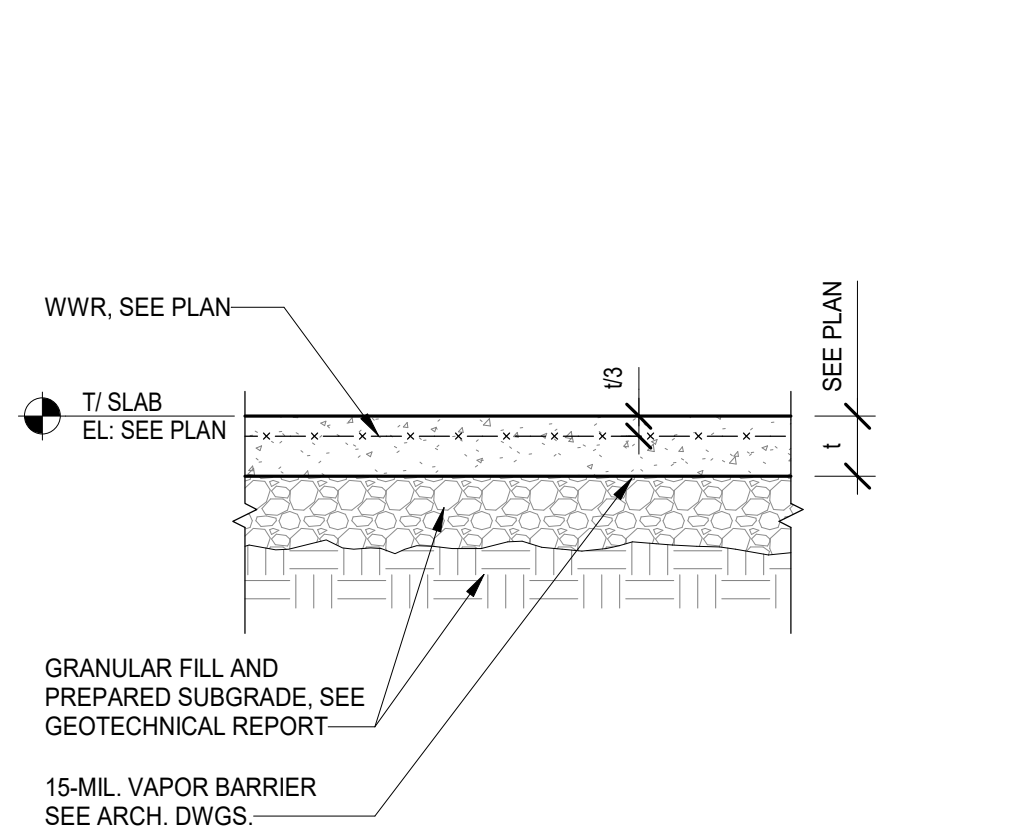
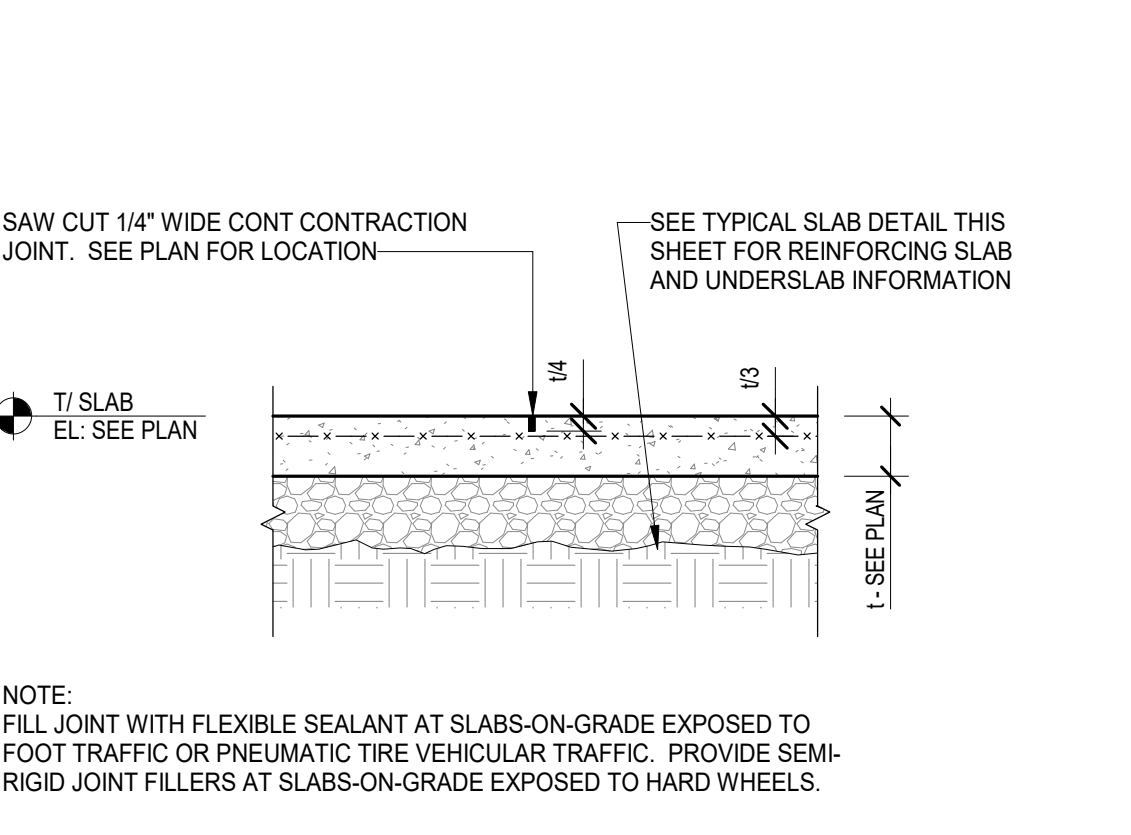
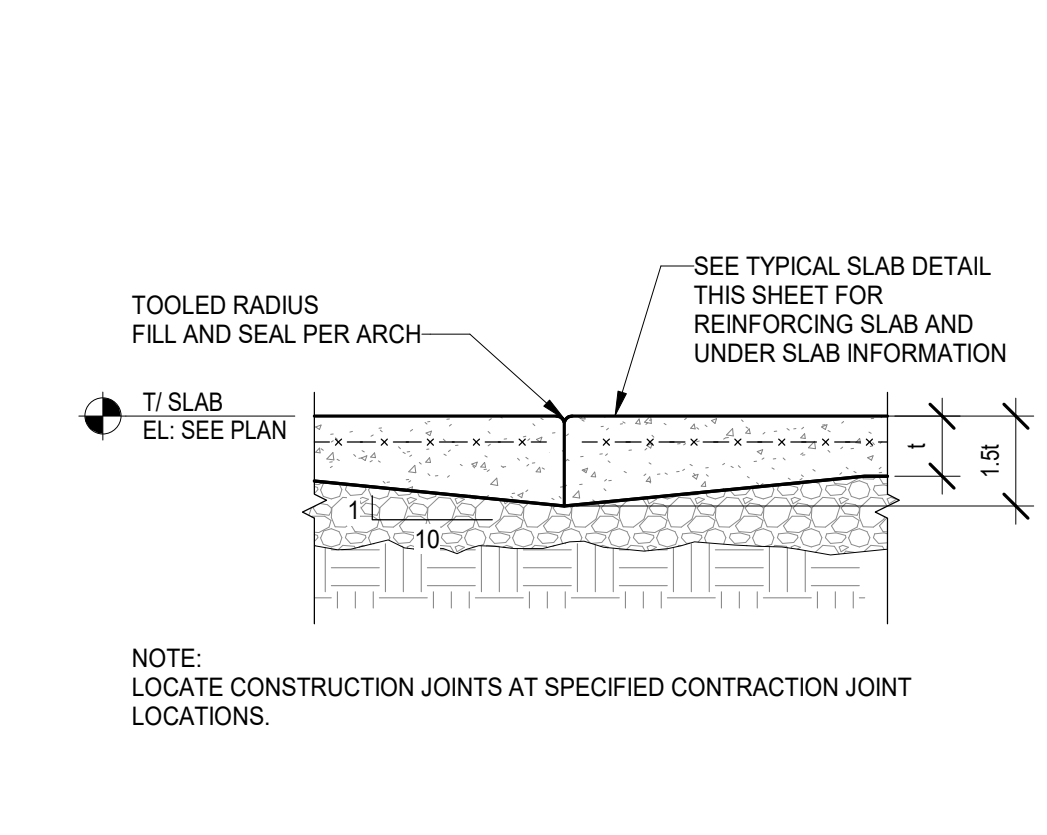
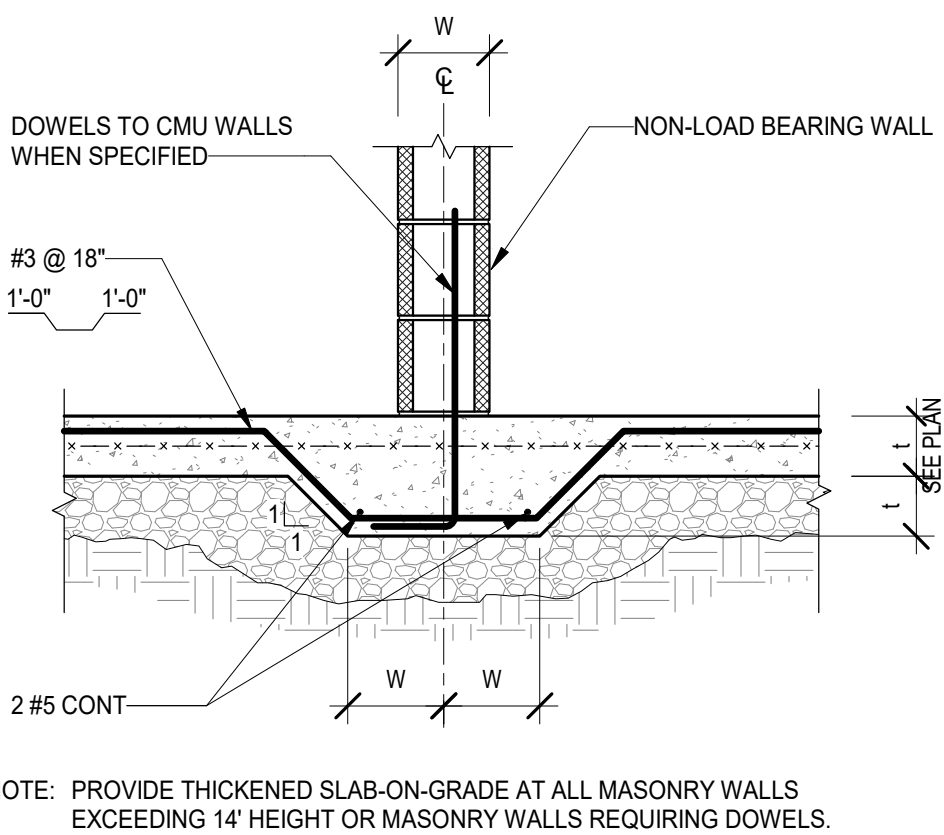


13 TYPICAL SLAB OPENING DETAILS  
Scale: 1" = 1'-0"

10 TYPICAL SLAB-ON-GRADE SLAB EDGE  
Scale: 3/4" = 1'-0"

9 TYPICAL SLAB-ON-GRADE RECESS DETAIL  
Scale: 3/4" = 1'-0"

8 HOUSEKEEPING PAD DETAIL  
Scale: 3/4" = 1'-0"



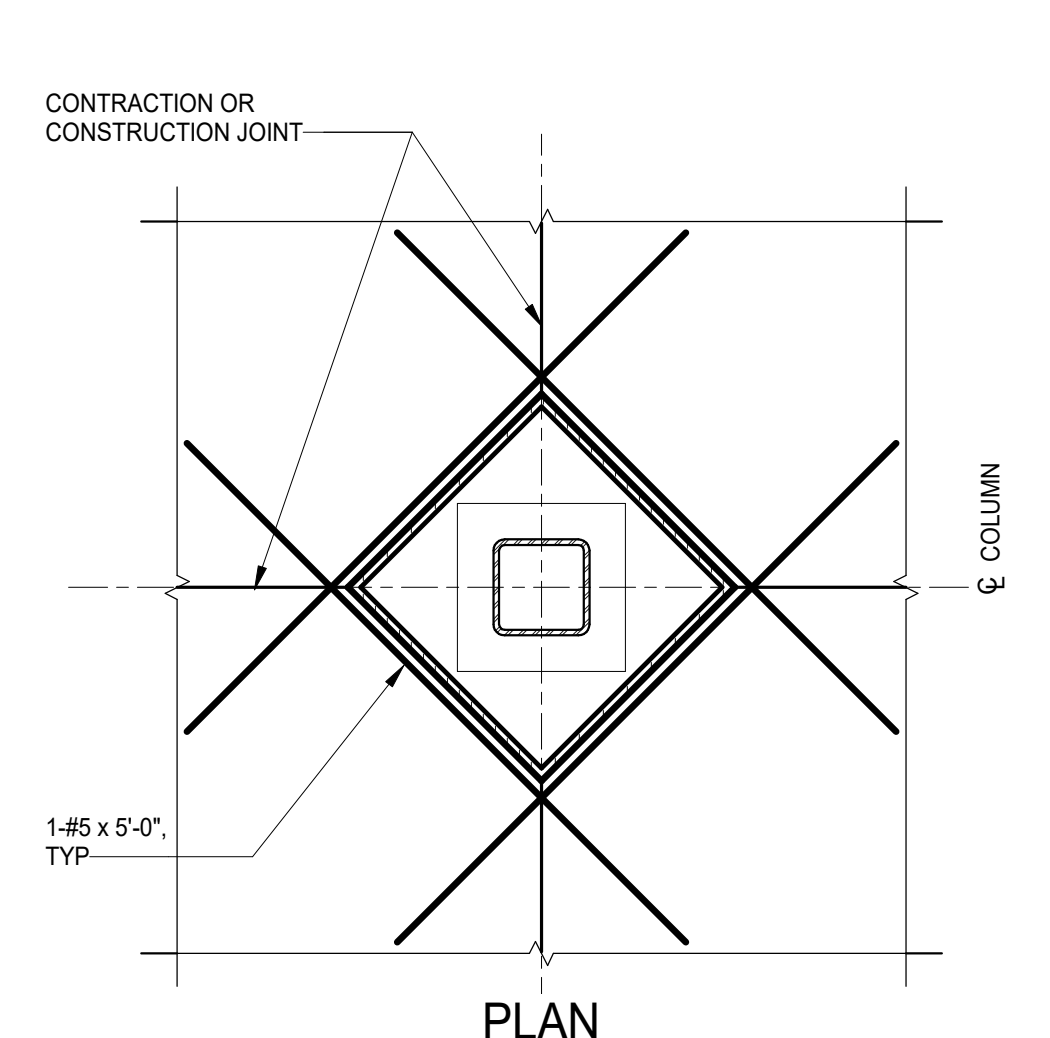
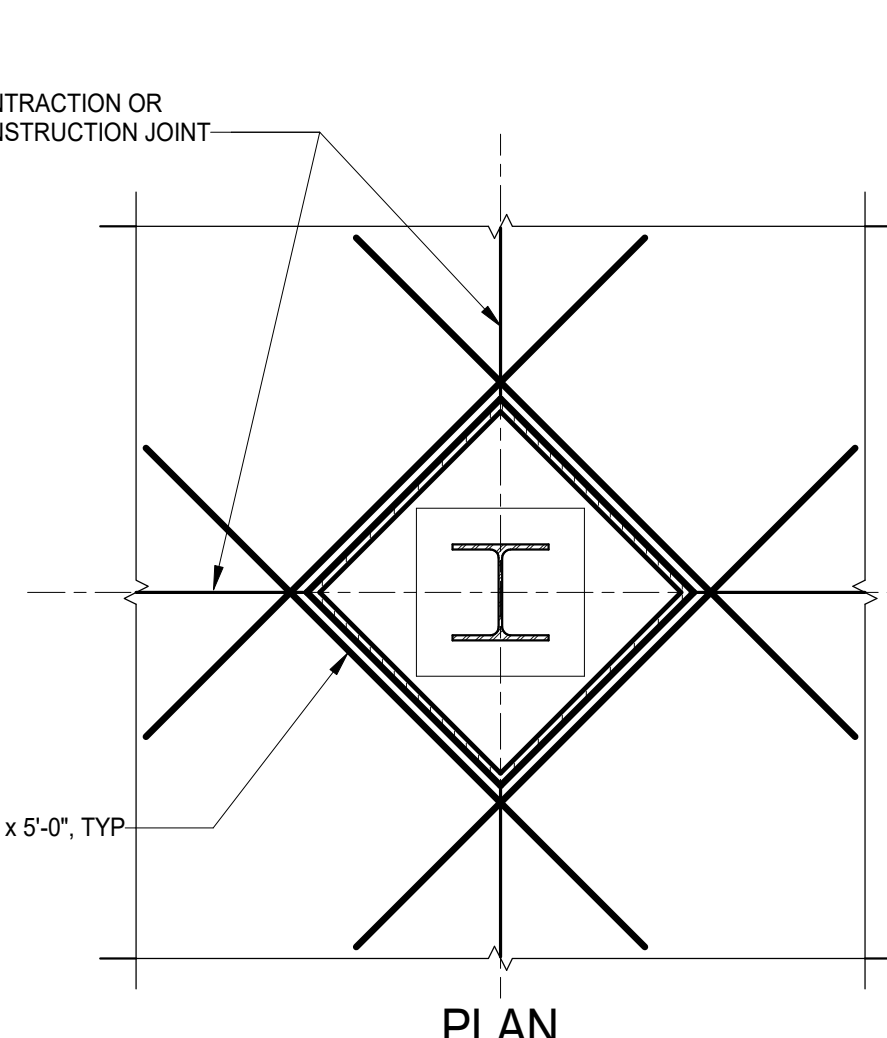
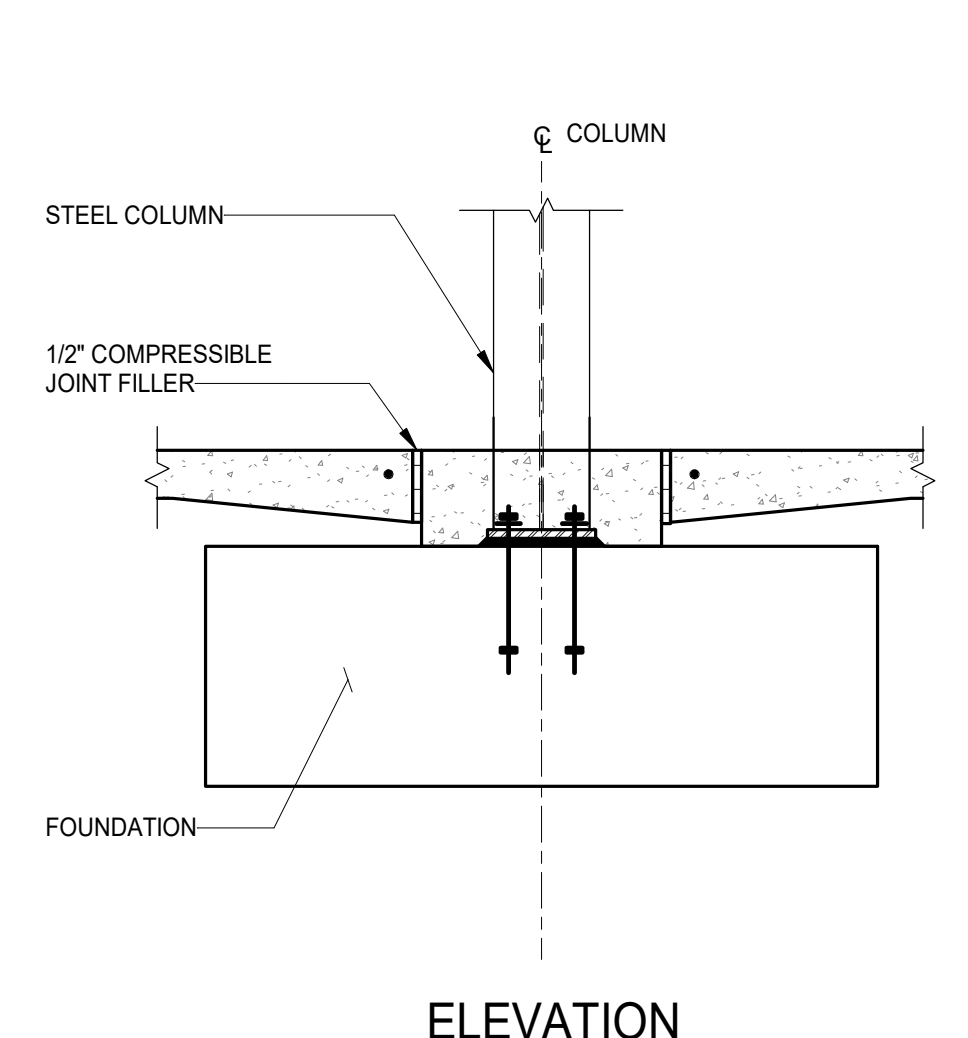
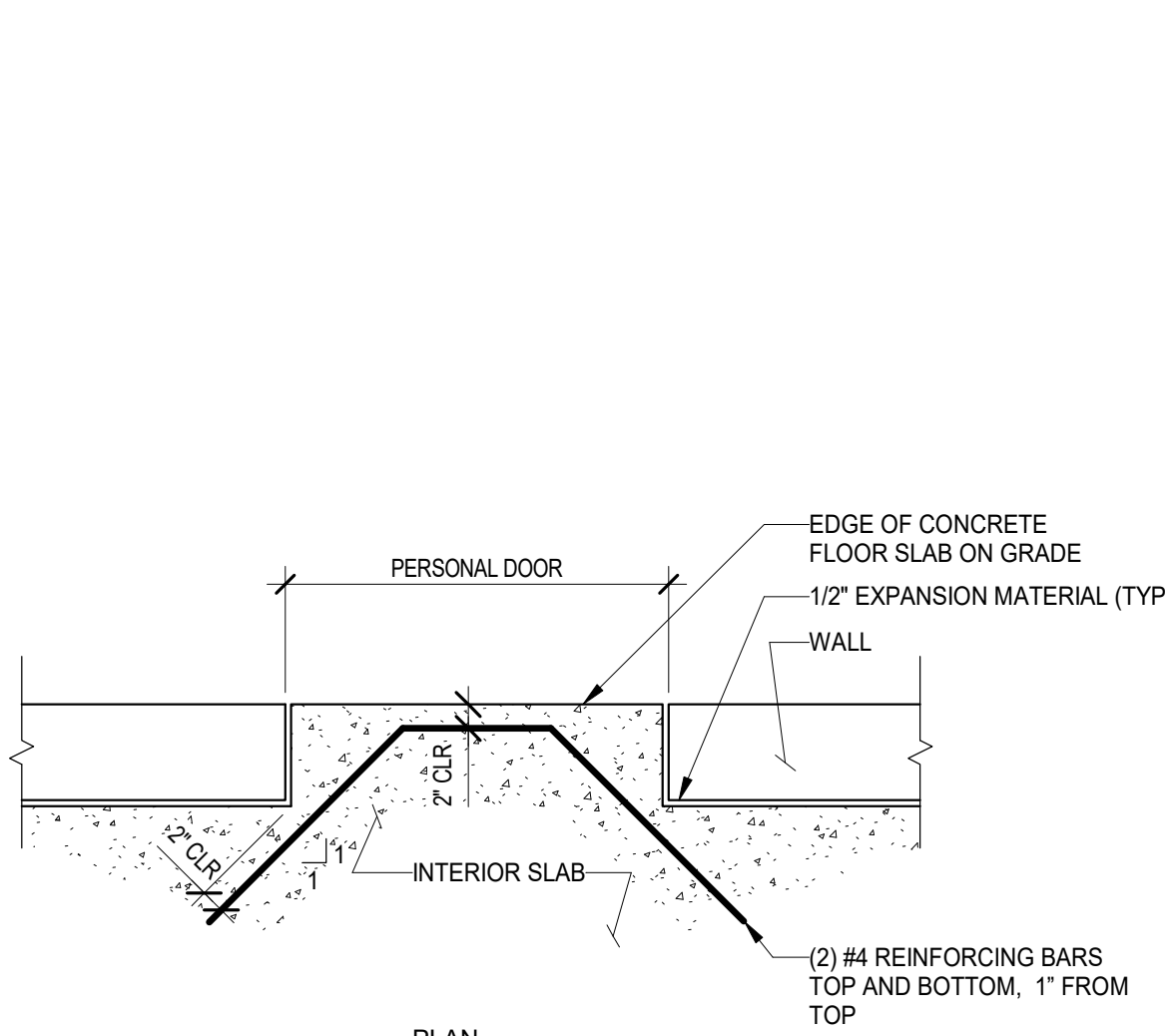
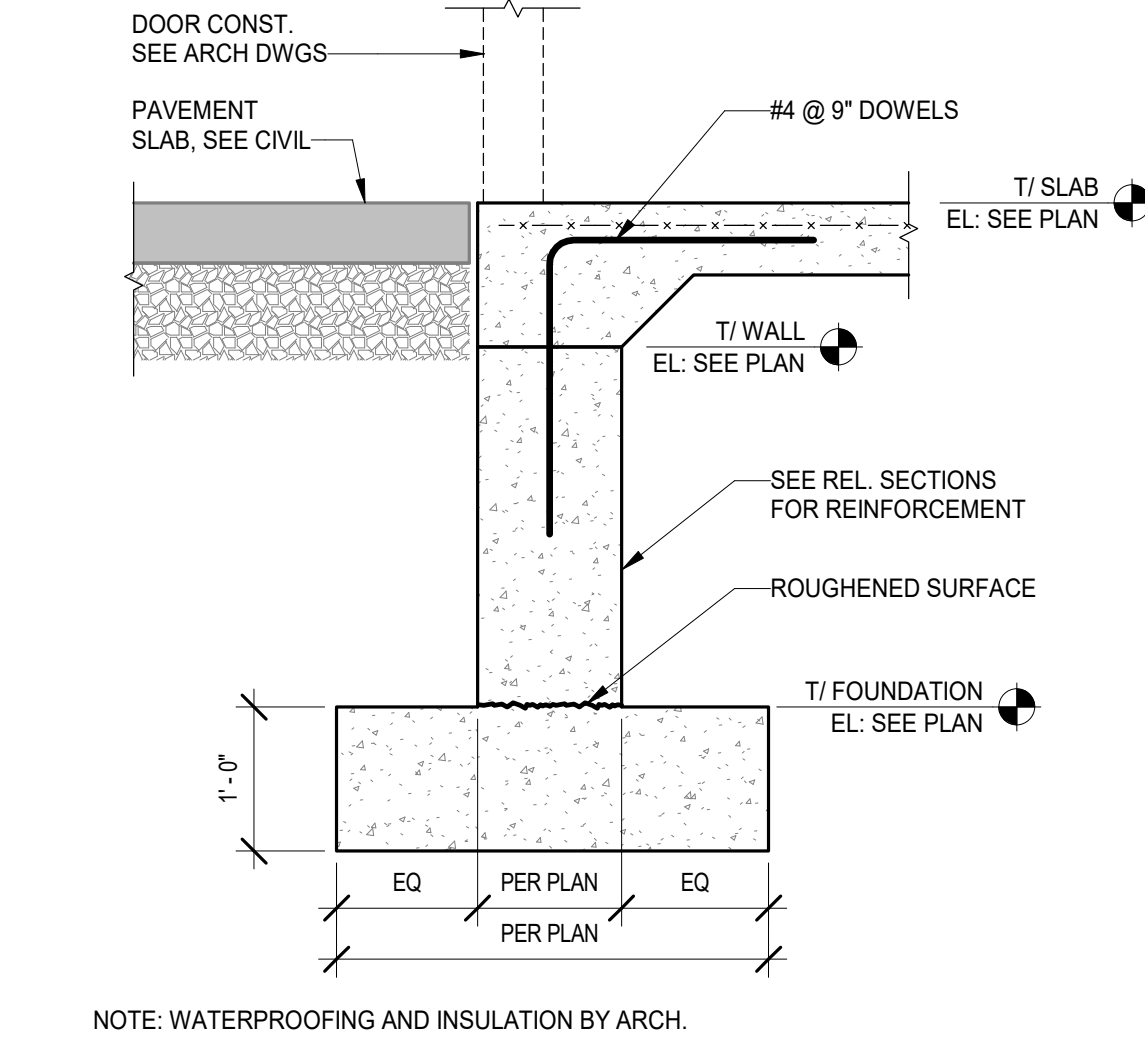
7 THICKENED SLAB-ON-GRADE DETAIL  
Scale: 3/4" = 1'-0"

6 TYPICAL SLAB-ON-GRADE CONSTRUCTION JOINT DETAIL  
Scale: 3/4" = 1'-0"

5 TYPICAL SLAB-ON-GRADE CONSTRUCTION JOINT DETAIL  
Scale: 3/4" = 1'-0"

4 TYPICAL SLAB-ON-GRADE DETAIL  
Scale: 3/4" = 1'-0"

3 TYPICAL WALL DEPRESSION DETAIL  
Scale: 3/4" = 1'-0"



12 TYPICAL DETAIL AT ENTRANCES  
Scale: 3/4" = 1'-0"

2 TYPICAL REINFORCEMENT AT ENTRANCES  
Scale: 3/4" = 1'-0"

1 TYPICAL ISOLATION JOINT DETAIL (STEEL COLUMN)  
Scale: 3/4" = 1'-0"

CLIENT  
REBUILD  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
CITY OF PHILADELPHIA  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
DIGSAU  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
Ground Reconsidered  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

MEP/FP ENGINEER  
dbHMS  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 287.217.1612

LIGHTING DESIGN  
The Lighting Practice  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
Dharam Consulting  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 810.554.6560

ENVIRONMENTAL CONSULTANT  
Brightfields, Inc.  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
DataBase+  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.916.0557  
www.databasedplus.com

DATE:	DESCRIPTION:

FRANCIS J. MYERS  
RECREATION CENTER  
SITE AND BUILDING  
IMPROVEMENTS

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023

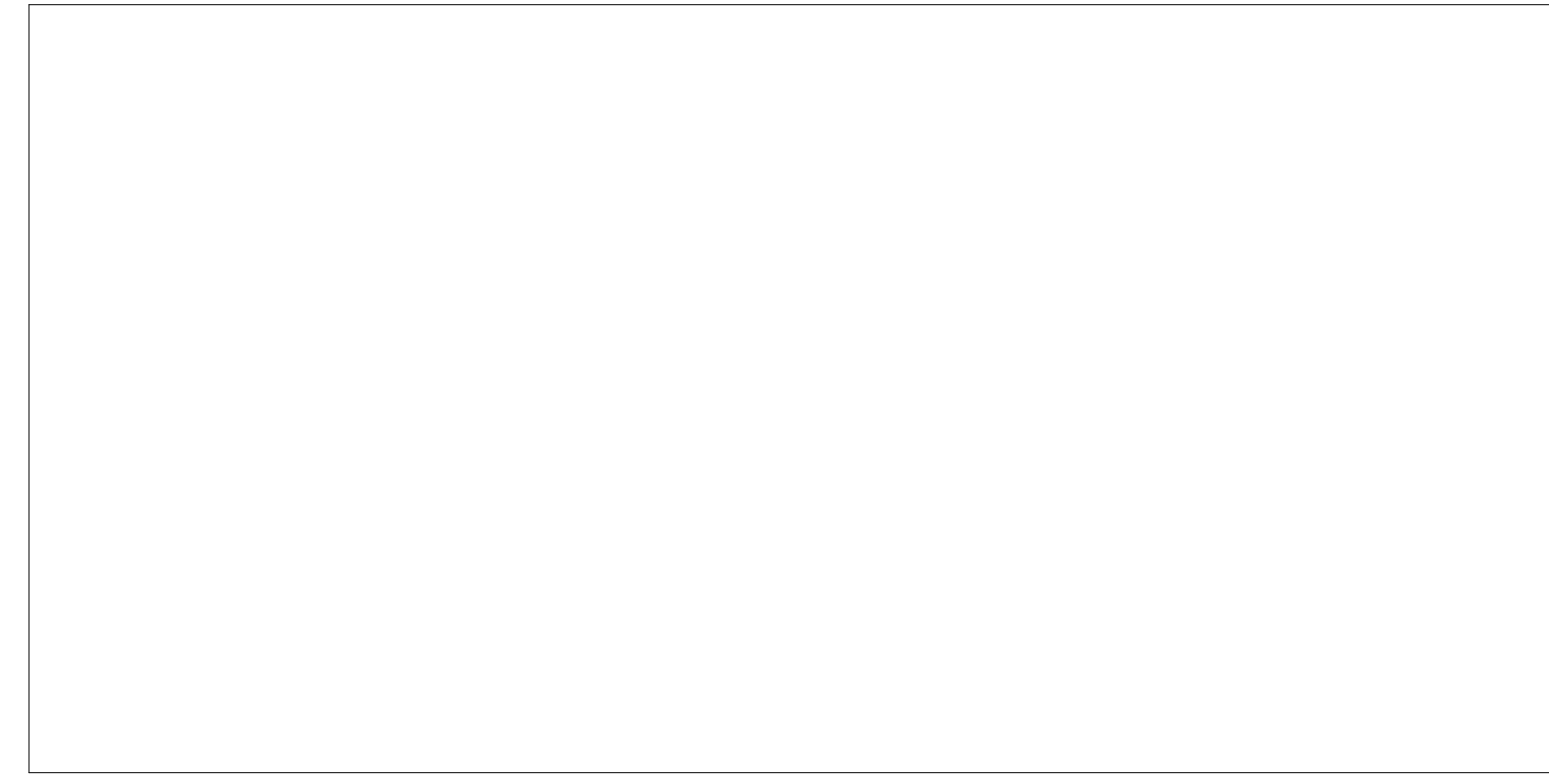
SHEET NAME:  
**TYPICAL FOUNDATION DETAILS**

SHEET NUMBER:  
**S012**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



APPROVAL STAMP AREA



**CLIENT**  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

**MEP/FP ENGINEER**  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.1612

**LIGHTING DESIGN**  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

**COST ESTIMATING**  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 500  
 Philadelphia, PA 19103  
 v 810.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.556.9600  
 www.brightfields.com

**LEED CONSULTANT**  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.915.0557  
 www.databasedplus.com

DATE:	DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

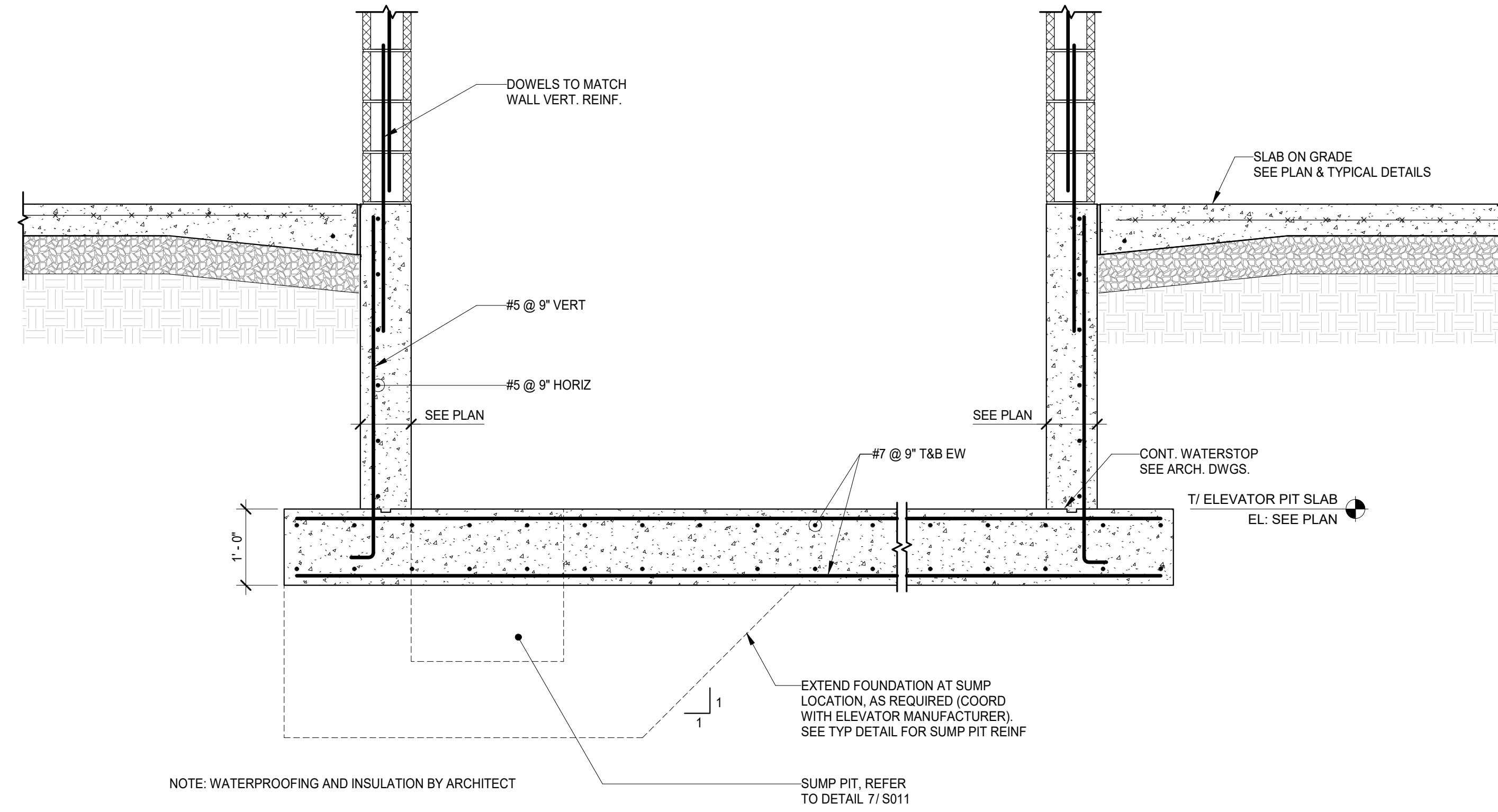
5800 Chester Ave  
 Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	NTS
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023

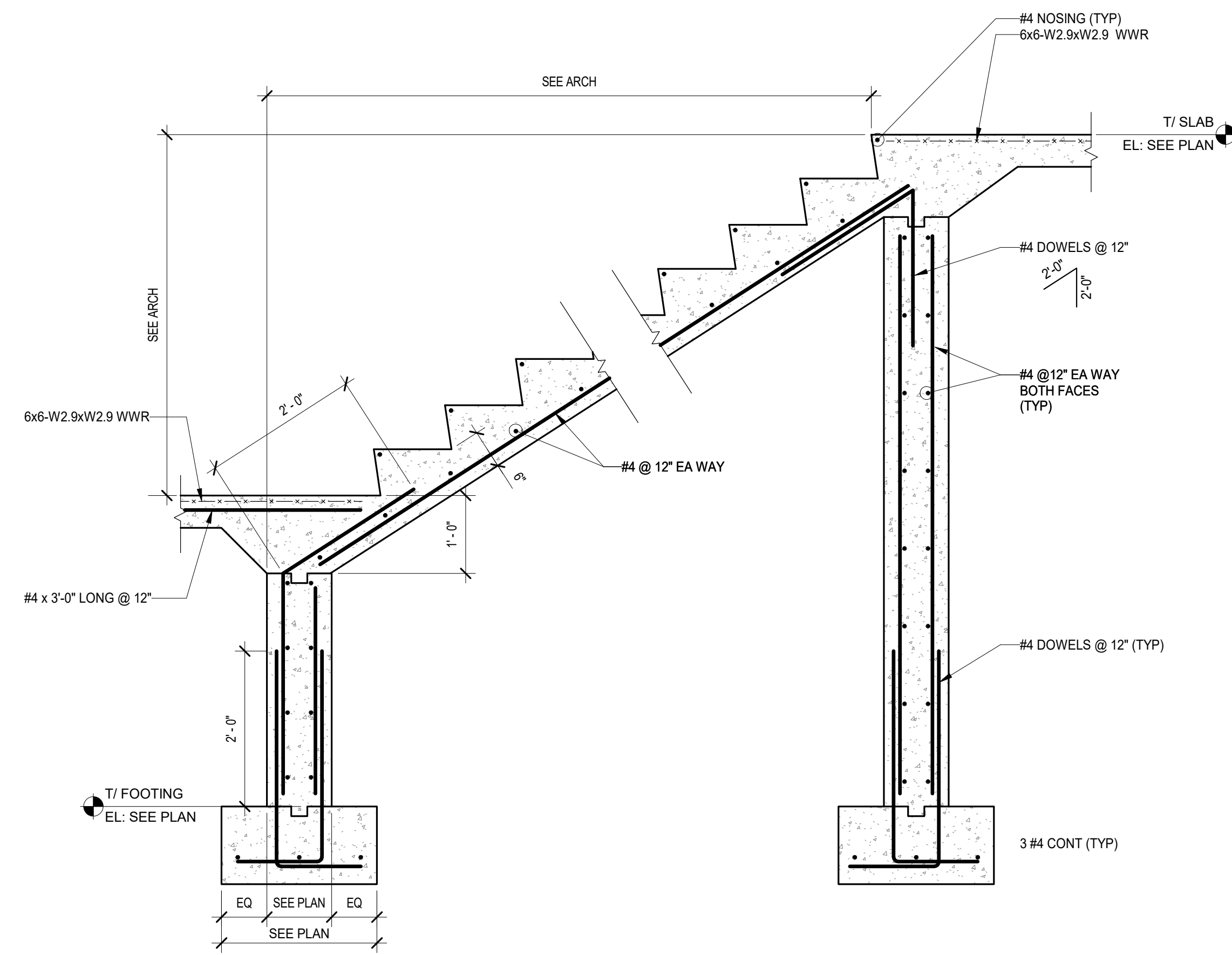
SHEET NAME:  
**TYPICAL FOUNDATION DETAILS**

SHEET NUMBER:  
**S013**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



**2 ELEVATOR FOUNDATION DETAIL**  
 5013 / Scale: NTS



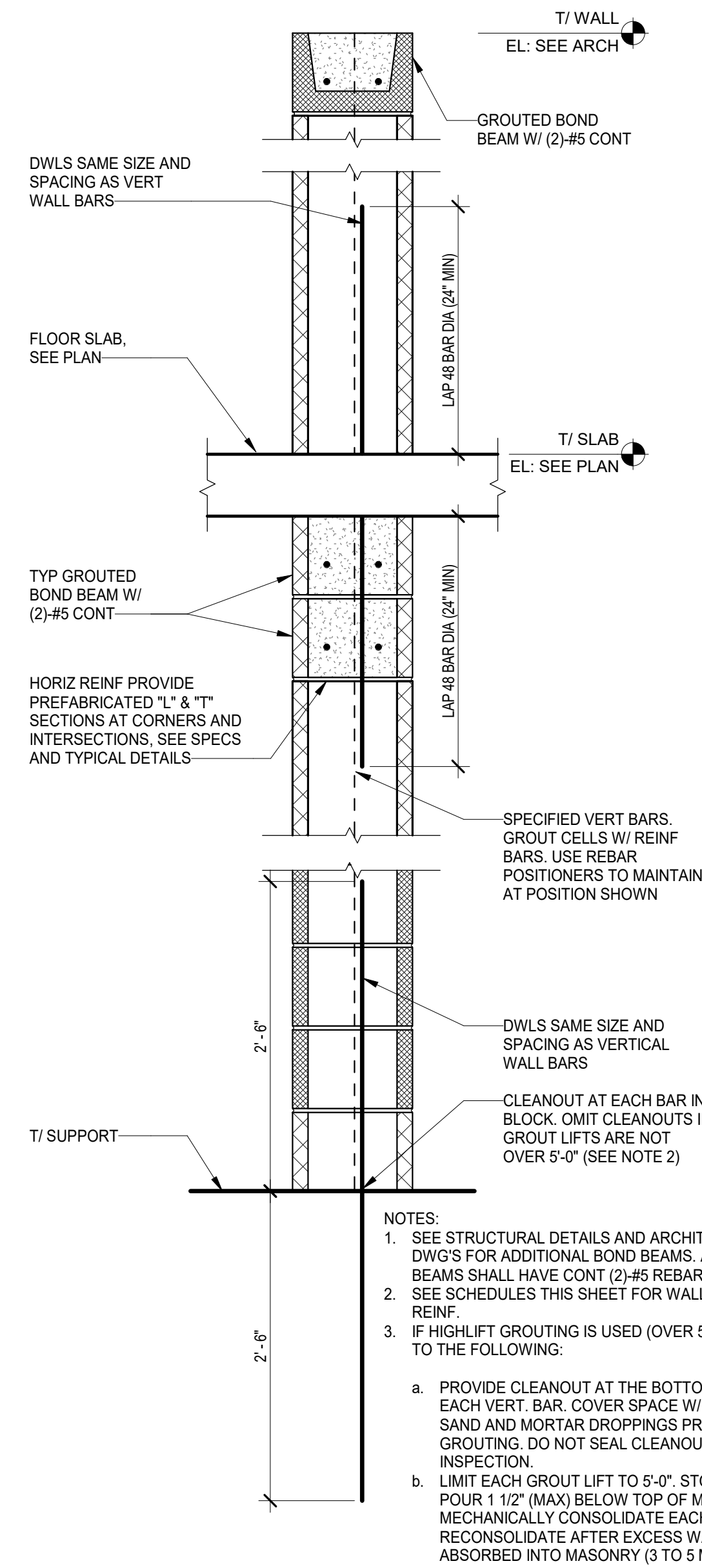
**1 TYPICAL CONCRETE STAIR SECTION**  
 5013 / Scale: 3/4" = 1'-0"







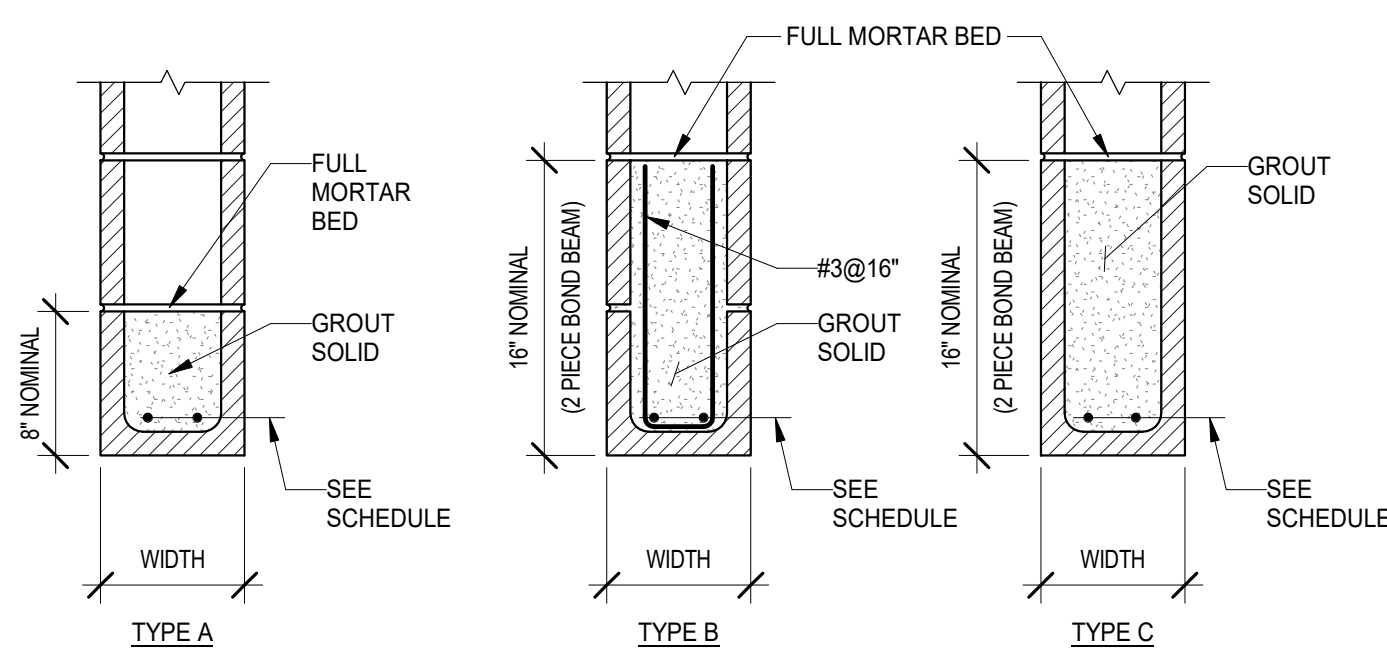
APPROVAL STAMP AREA



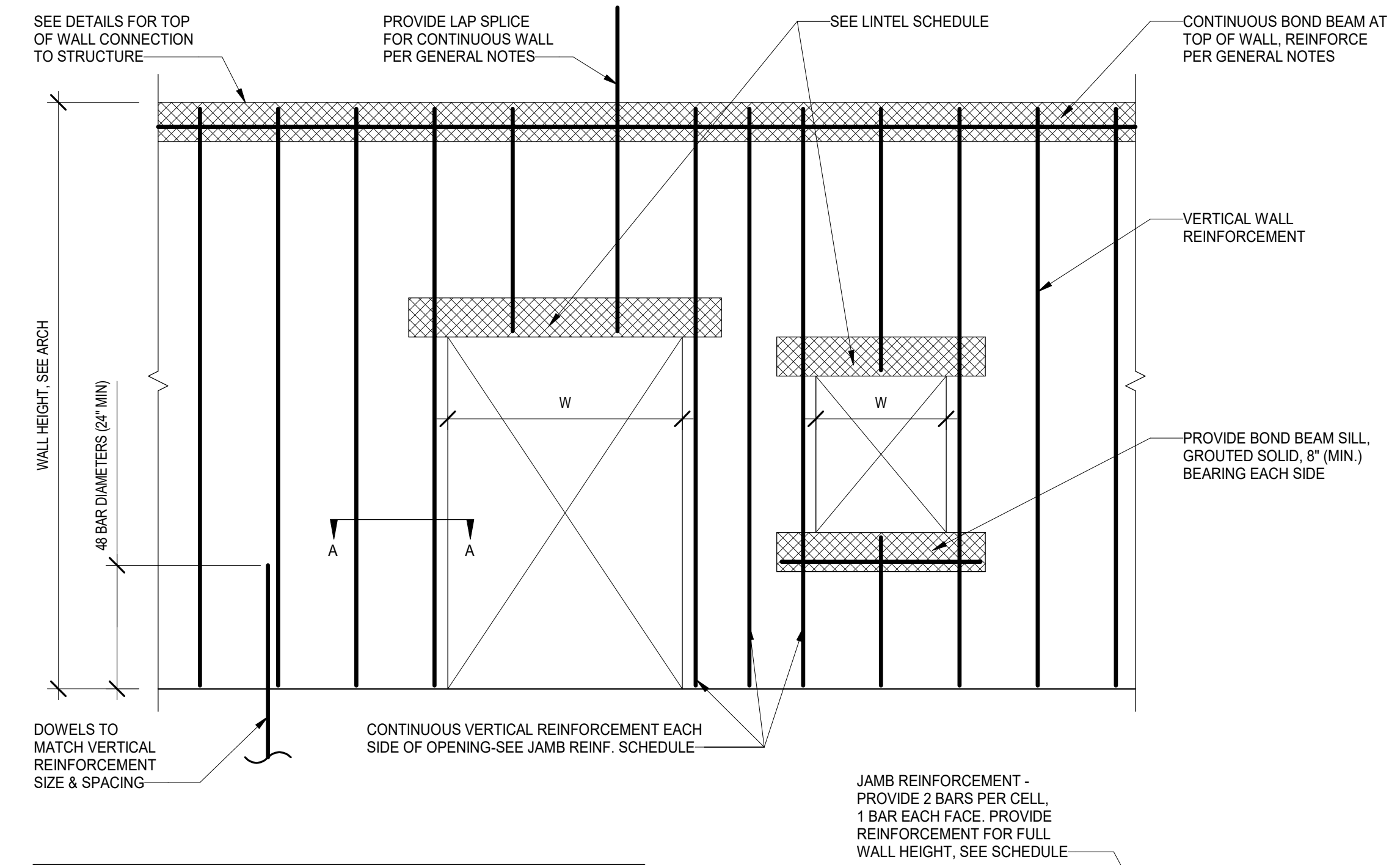
6 TYPICAL REINF. CONCRETE MASONRY WALL SECTION  
S022 Scale: 1" = 1'-0"

CLEAR SPAN	REINFORCEMENT REQUIREMENTS IN NOMINAL CMU LINTEL SECTIONS									
	4"x8"	4"x16"	6"x8"	6"x16"	8"x8"	8"x16"	10"x8"	10"x16"	12"x8"	12"x16"
6'-0" OR LESS	1-#4	1-#5	1-#5	1-#5	2-#4	2-#5	2-#5	2-#5	2-#5	2-#5
OVER 6'-0" TO 8'-0" OR LESS	N/A	1-#4	N/A	1-#5	N/A	2-#4	N/A	2-#5	N/A	2-#5
OVER 8'-0" TO 10'-0"	N/A	1-#4	N/A	1-#6	N/A	2-#5	N/A	2-#6	N/A	2-#6

- NOTES:
- SCHEDULED LINTELS ARE TO BE USED IN ALL MASONRY WALLS INDICATED ON ARCHITECTURAL OR STRUCTURAL DRAWINGS WHERE OPENINGS ARE REQUIRED (UNO). COORDINATE WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS FOR ADDITIONAL REQUIRED OPENINGS. OPENINGS LESS THAN 16" IN WIDTH DO NOT REQUIRE LINTELS.
  - UNLESS OTHERWISE INDICATED ON THE ARCHITECTURAL OR STRUCTURAL PLANS OR DETAILS, CONTRACTOR MAY USE STEEL LINTELS OR CMU LINTELS IN NON-LOAD BEARING WALLS AT THEIR OPTION.
  - CMU BOND BEAM LINTEL WIDTH SHALL BE THE SAME AS THE WALL SUPPORTED.
  - FILL CMU BOND BEAM LINTELS SOLID WITH GROUT CONFORMING TO SPECIFICATIONS.
  - UNLESS OTHERWISE NOTED, REINFORCEMENT IN CMU BOND BEAM LINTELS IS TO BE PROVIDED IN ONE LAYER IN THE BOTTOM OF THE UNIT.
  - CMU BOND BEAM LINTELS SHALL BEAR A MINIMUM OF 8" EACH END.
  - LINTELS SCHEDULED AS 16" HIGH MAY BE EITHER TYPE "B" OR TYPE "C" AS DETAILED BELOW.
  - NOMINAL DIMENSIONS ARE BLOCK WIDTH x BLOCK DEPTH.
  - CMU BOND BEAM LINTELS SHALL BE CONTINUOUSLY SHORED UNTIL MORTAR AND GROUT ACHIEVE 100% OF THEIR DESIGNATED 28-DAY COMPRESSIVE STRENGTH.

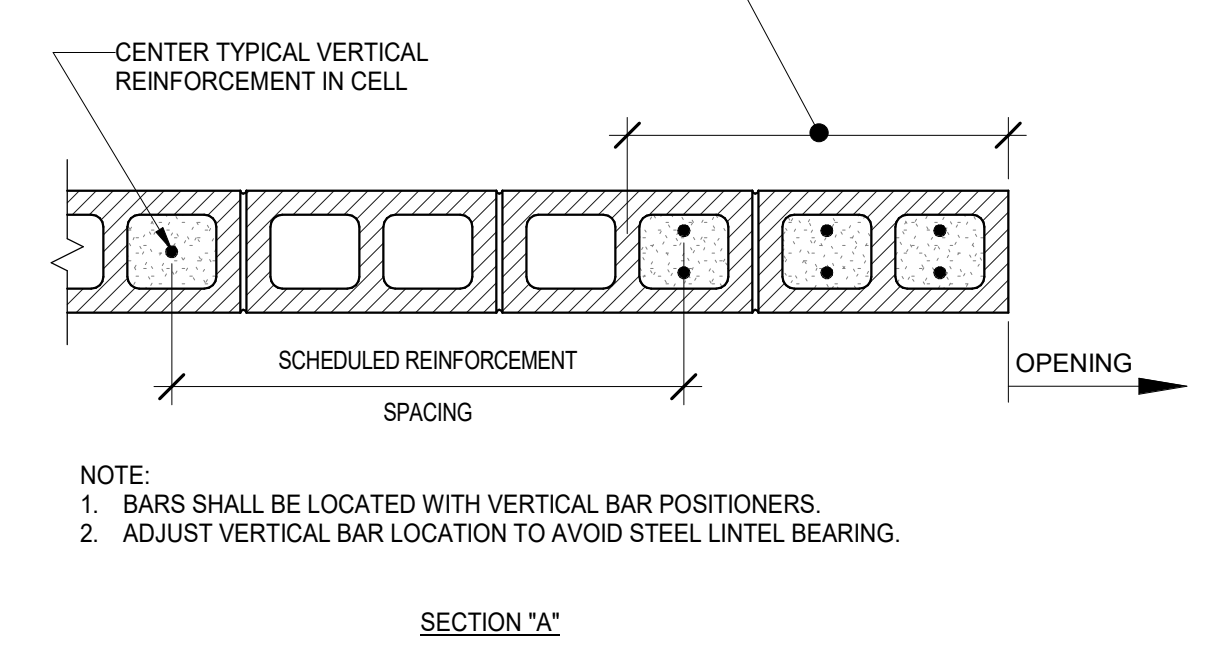


4 TYPICAL NON-LOAD BEARING CMU LINTEL SCHEDULE  
S022 Scale: 3/4" = 1'-0"



VERTICAL JAMB REINFORCEMENT SCHEDULE

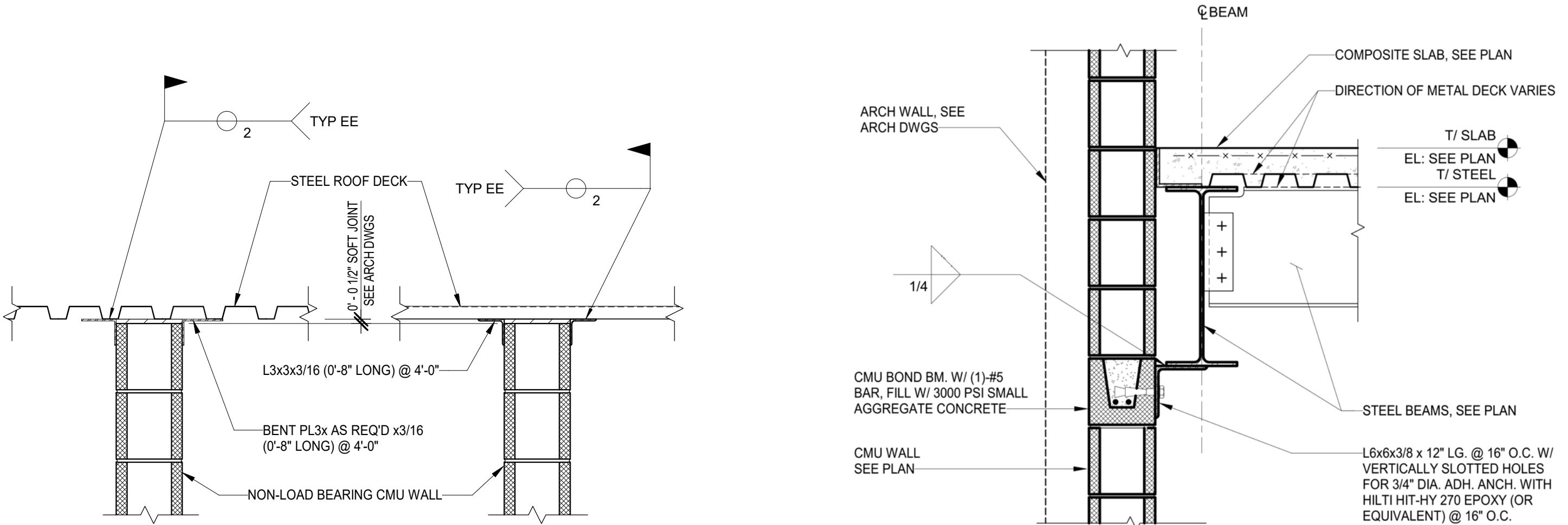
WALL HEIGHT	OPENING SIZE (W)							
	<6'-0"	6'-0"	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"
10'-0"	2-#4	2-#5	2-#5	2-#5	2-#5	2-#5	2-#5	2-#5
12'-0"	2-#5	2-#6	2-#7	2-#7	2-#7	2-#7	2-#7	2-#7
14'-0"	4-#5	4-#6	4-#6	4-#6	4-#6	4-#6	4-#6	4-#6
16'-0"	4-#6	6-#5	6-#5	6-#6	6-#6	6-#7	6-#7	6-#7
18'-0"	6-#6	6-#7	8-#6	8-#6	8-#7	8-#7	8-#7	8-#7



5 TYPICAL CMU WALL REINFORCEMENT DETAIL  
S022 Scale: 1" = 1'-0"

NOMINAL ELEMENT WIDTH	SPAN	STEEL LINTEL
4"	6'-0" or LESS	L3 1/2x3 1/2x5/16
	OVER 6'-0" to 8'-0"	L5x 3 1/2x5/16 (LLV)
	OVER 8'-0" to 10'-0"	L6x3 1/2x3/8 (LLV)
6"	6'-0" or LESS	2 - L3 1/2x2 1/2x5/16 (LLV)
	OVER 6'-0" to 8'-0"	2 - L3 1/2x2 1/2x3/8 (LLV)
	OVER 8'-0" to 10'-0"	W8x18
8"	6'-0" or LESS	2 - L3 1/2x3 1/2x5/16
	OVER 6'-0" to 8'-0"	2 - L5x3 1/2x5/16 (LLV)
	OVER 8'-0" to 10'-0"	2 - L6x3 1/2x5/16 (LLV)
10"	6'-0" or LESS	L4 3x5/16 (LLH) W/ L5x3x5/16 (LLH)
	OVER 6'-0" to 8'-0"	W8x15 W/ PL 1/4x8 1/2
	OVER 8'-0" to 10'-0"	W8x15 W/ PL 1/4x8 1/2
12"	6'-0" or LESS	W8x15 W/ PL 1/4x10 1/2
	OVER 6'-0" to 8'-0"	W8x15 W/ PL 1/4x10 1/2
	OVER 8'-0" to 10'-0"	W8x15 W/ PL 1/4x10 1/2

3 TYPICAL STRUCTURAL STEEL LOOSE LINTEL SCHEDULE  
S022 Scale: 3/4" = 1'-0"



2 TYPICAL CMU LATERAL RESTRAINT DETAIL AT STEEL ROOF DECK  
S022 Scale: 1" = 1'-0"

1 TYPICAL CMU LATERAL RESTRAINT  
S022 Scale: 1" = 1'-0"

CLIENT  
REBUILD  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
CITY OF PHILADELPHIA  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
DIGSAU  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
Ground Reconsidered  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

ME/P/ENGINEER  
dbHMS  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 267.217.1612

LIGHTING DESIGN  
The Lighting Practice  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
Dharam Consulting  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 810.554.6560

ENVIRONMENTAL CONSULTANT  
Brightfields, Inc.  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
Database+  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.915.0557  
www.databaseplus.com

DATE: DESCRIPTION:

FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #: 2020  
SCALE: As indicated  
FORMAT: 30" X 42"  
DRAWN: AB  
CHECKED: JE  
DATE: 4/7/2023

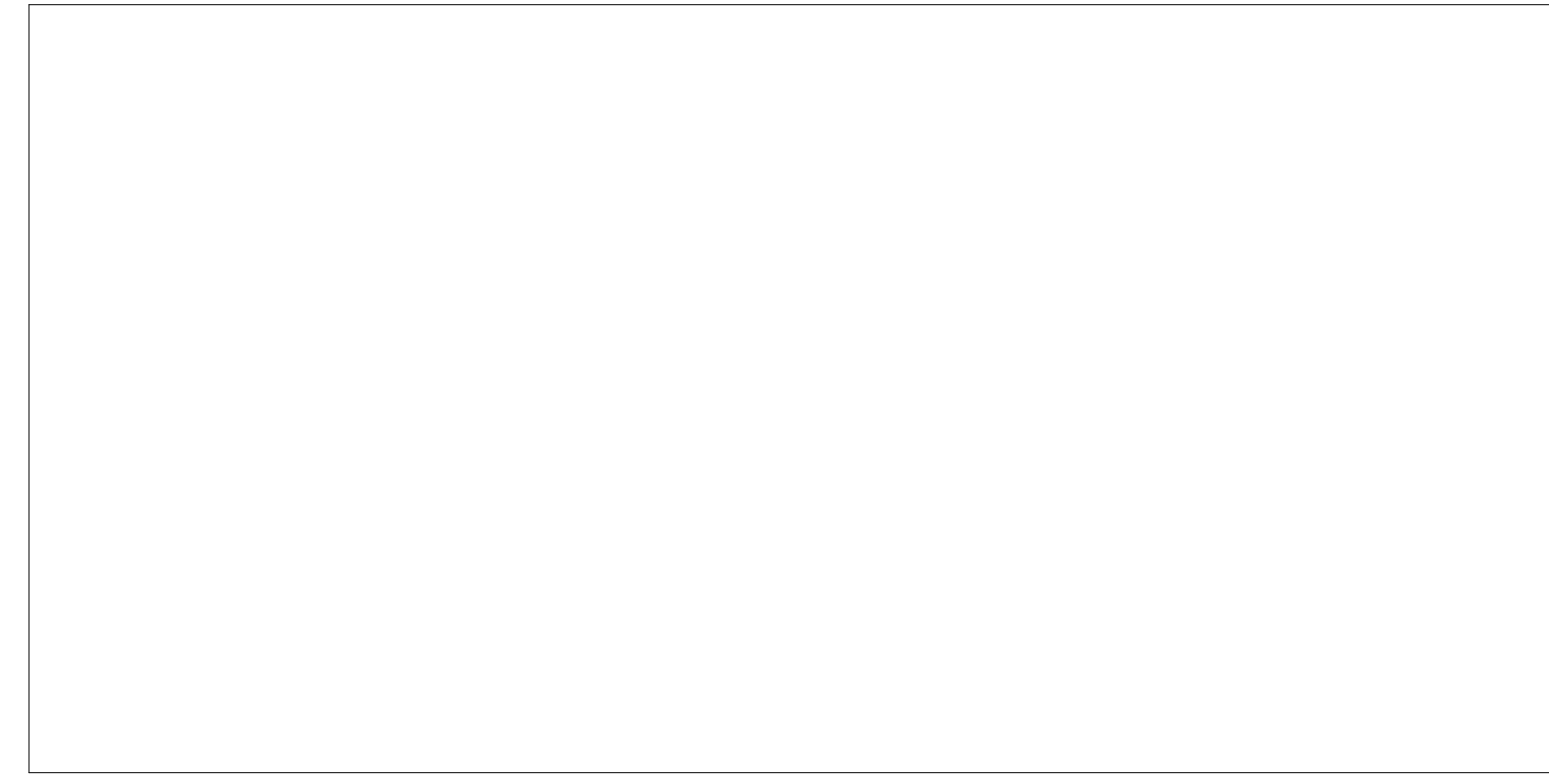
SHEET NAME:  
TYPICAL MASONRY DETAILS

SHEET NUMBER:  
S022

PROJECT PHASE:  
CONSTRUCTION DOCUMENTS



APPROVAL STAMP AREA



**DIGSAU**

CLIENT  
**REBUILD**  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

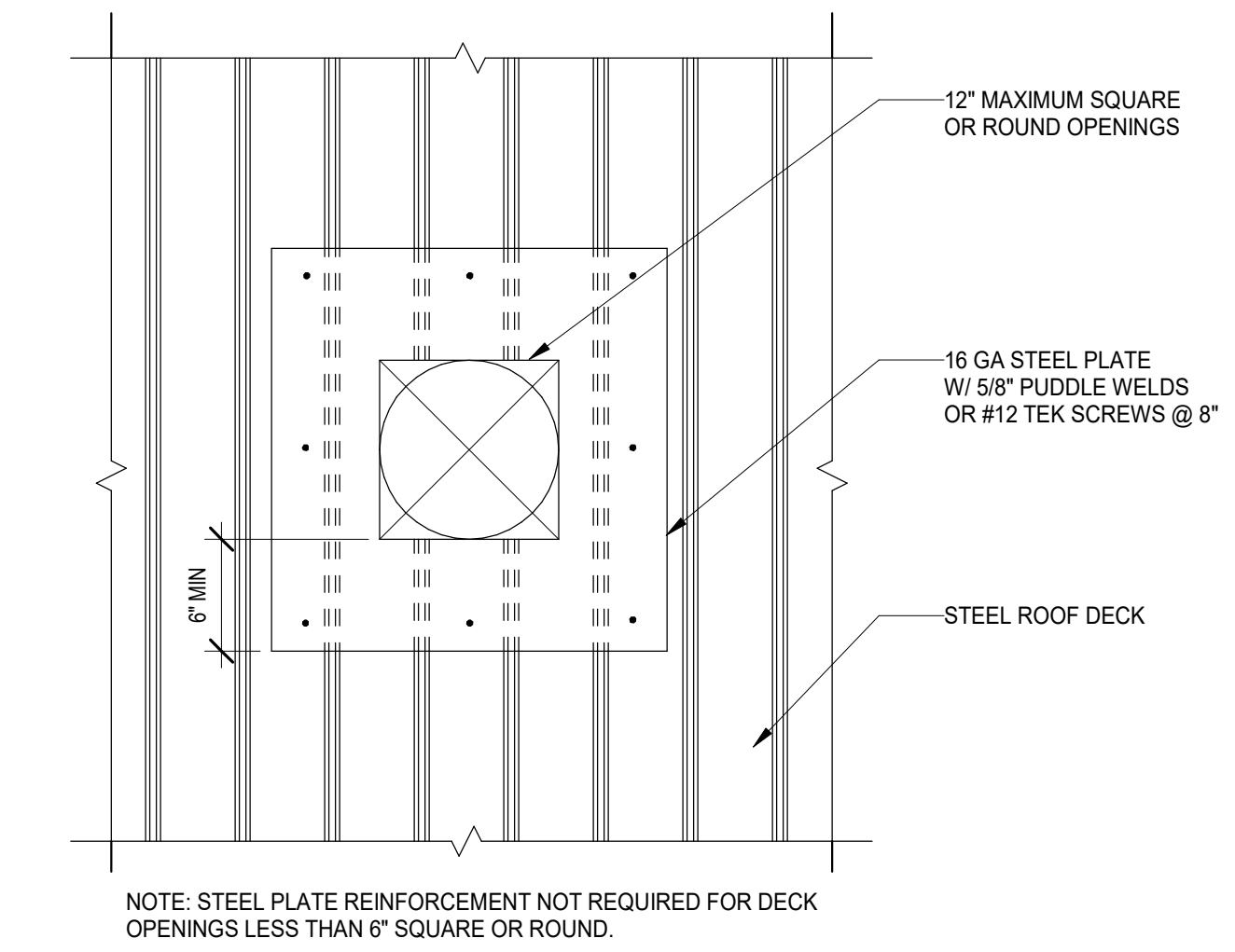
MEP/FP ENGINEER  
**dbHMS**  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 267.217.1612

LIGHTING DESIGN  
**The Lighting Practice**  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

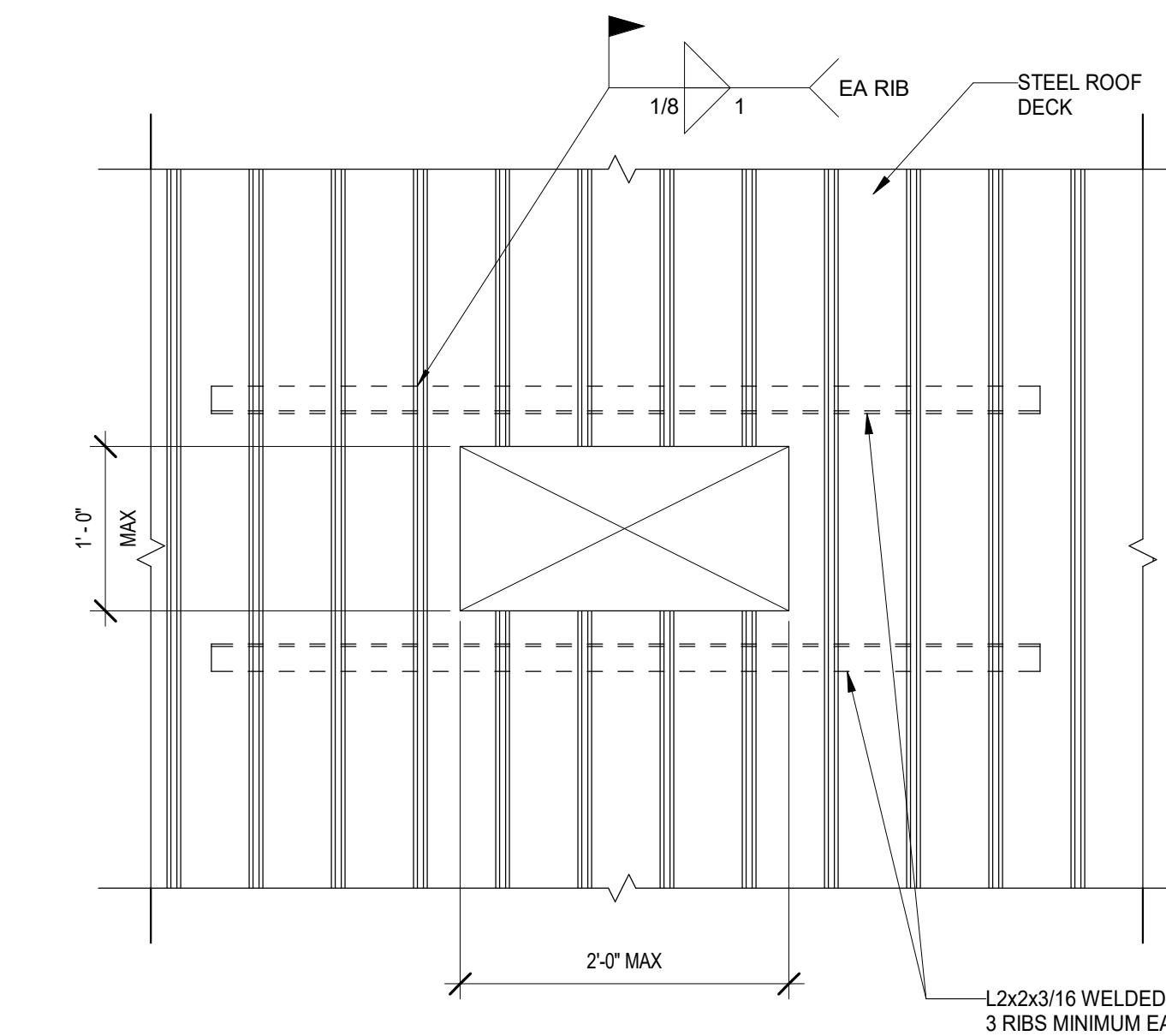
COST ESTIMATING  
**Dharam Consulting**  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 610.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

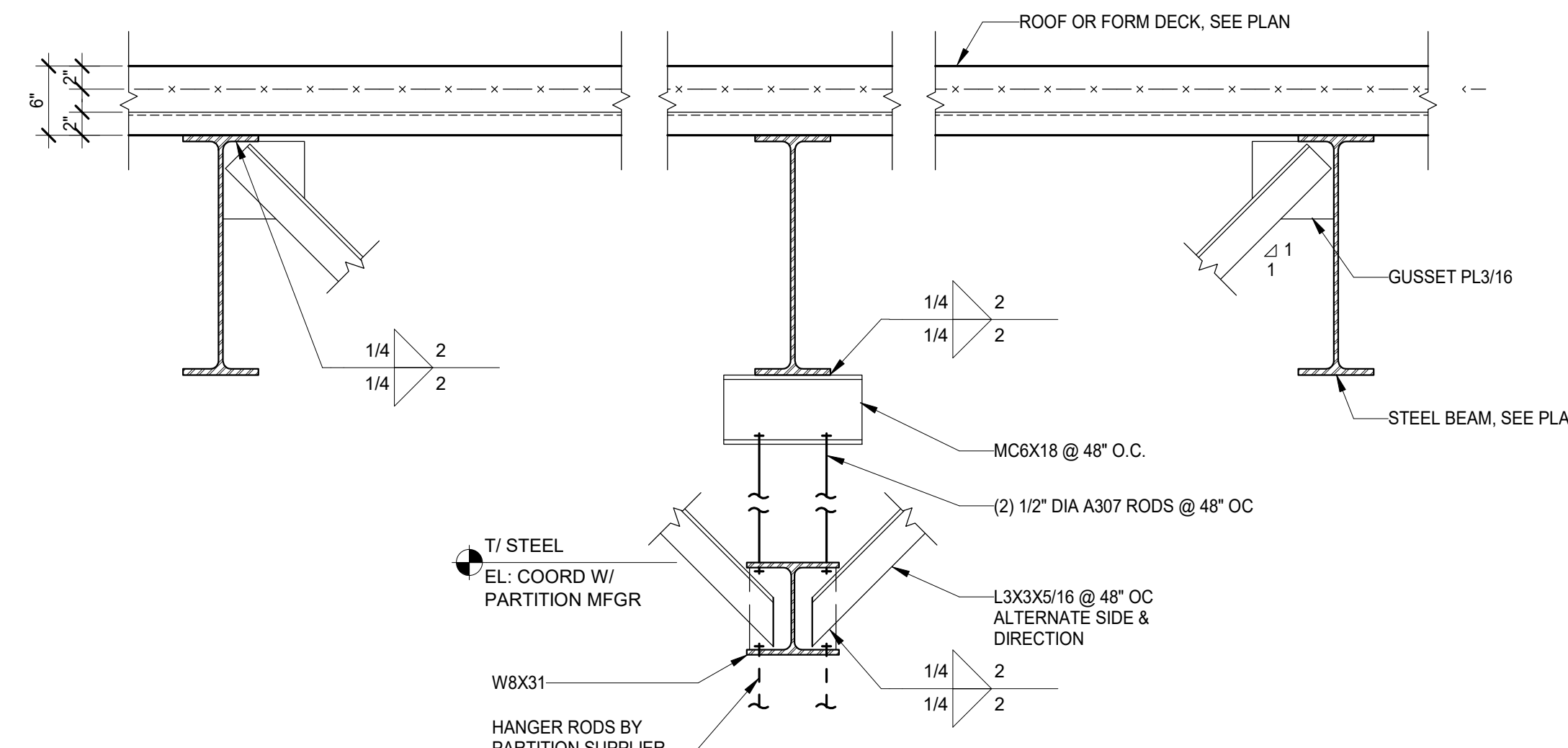
LEED CONSULTANT  
**DataBase+**  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.315.0557  
www.databasedplus.com



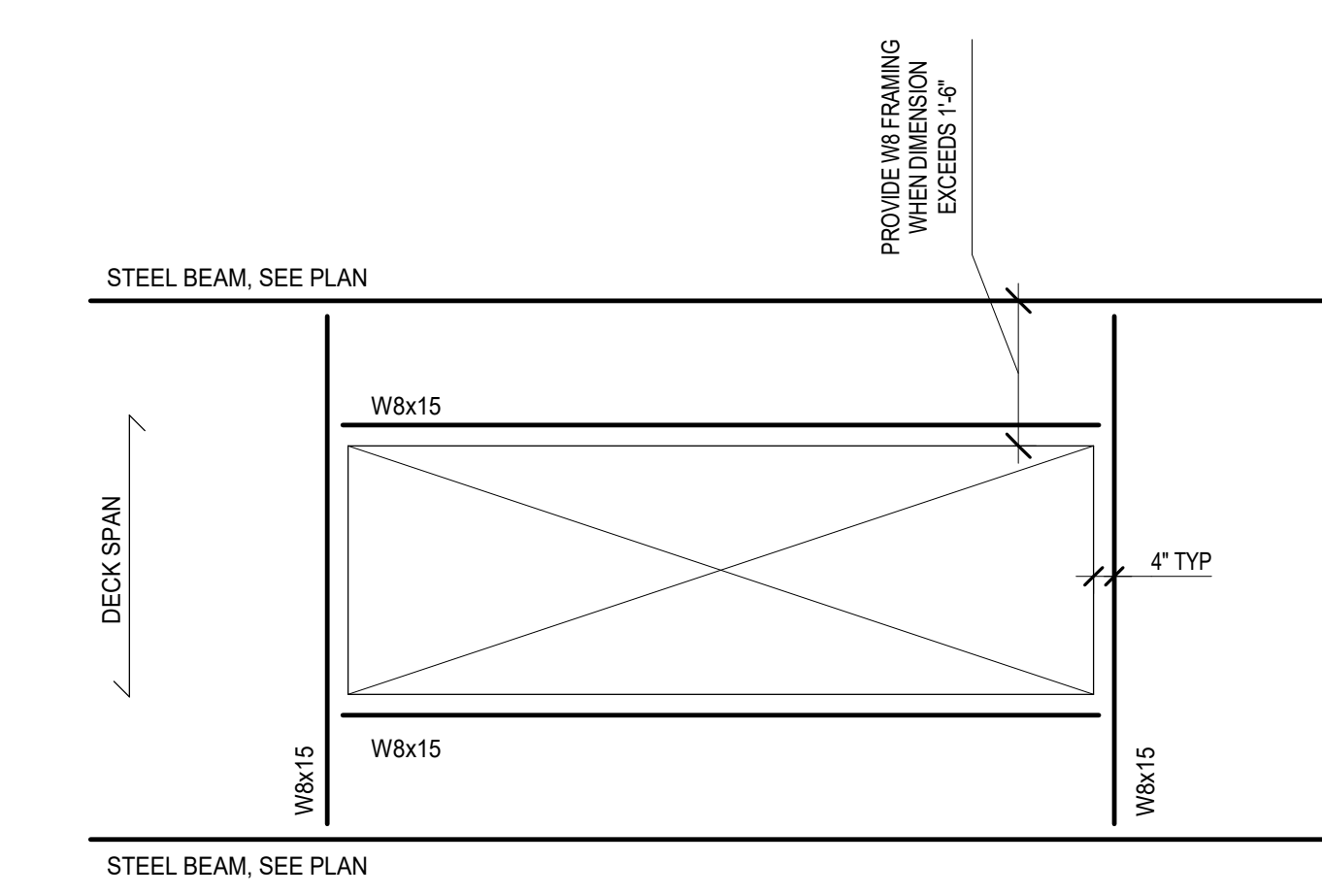
4 TYPICAL ROOF DECK OPENING DETAIL (<12")  
Scale: 1" = 1'-0"



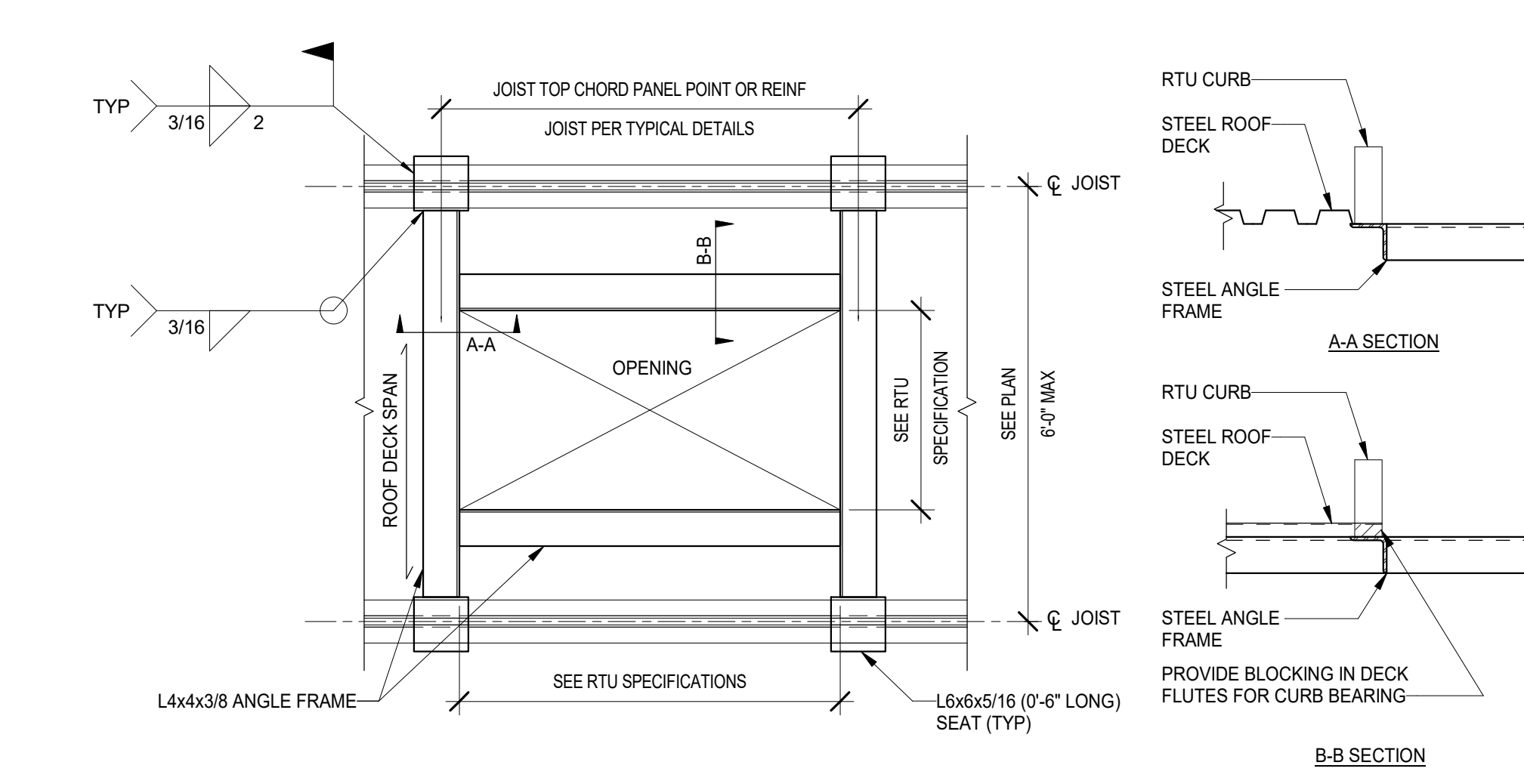
3 TYPICAL ROOF DECK OPENING DETAIL (12" < OPENING < 24")  
Scale: 1" = 1'-0"



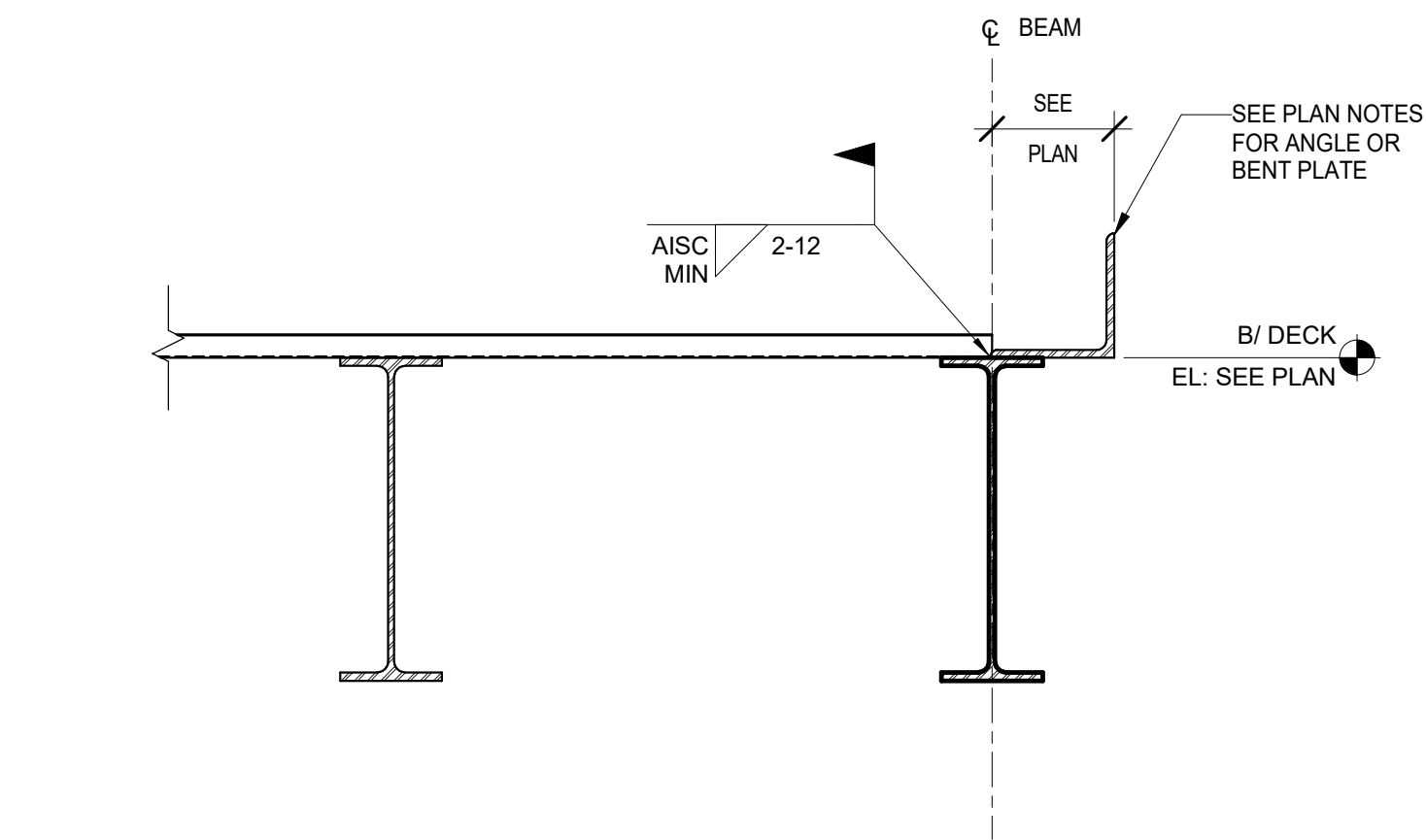
6 SECTION AT OPERABLE PARTITION  
Scale: 1" = 1'-0"



2 TYPICAL STEEL ROOF DECK OPENING DETAIL  
Scale: 1" = 1'-0"



5 TYPICAL ROOF TOP UNIT SUPPORT DETAIL  
Scale: 3/4" = 1'-0"



1 TYPICAL ROOF CLOSURE ANGLE DETAIL  
Scale: 1" = 1'-0"

DATE:	DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023

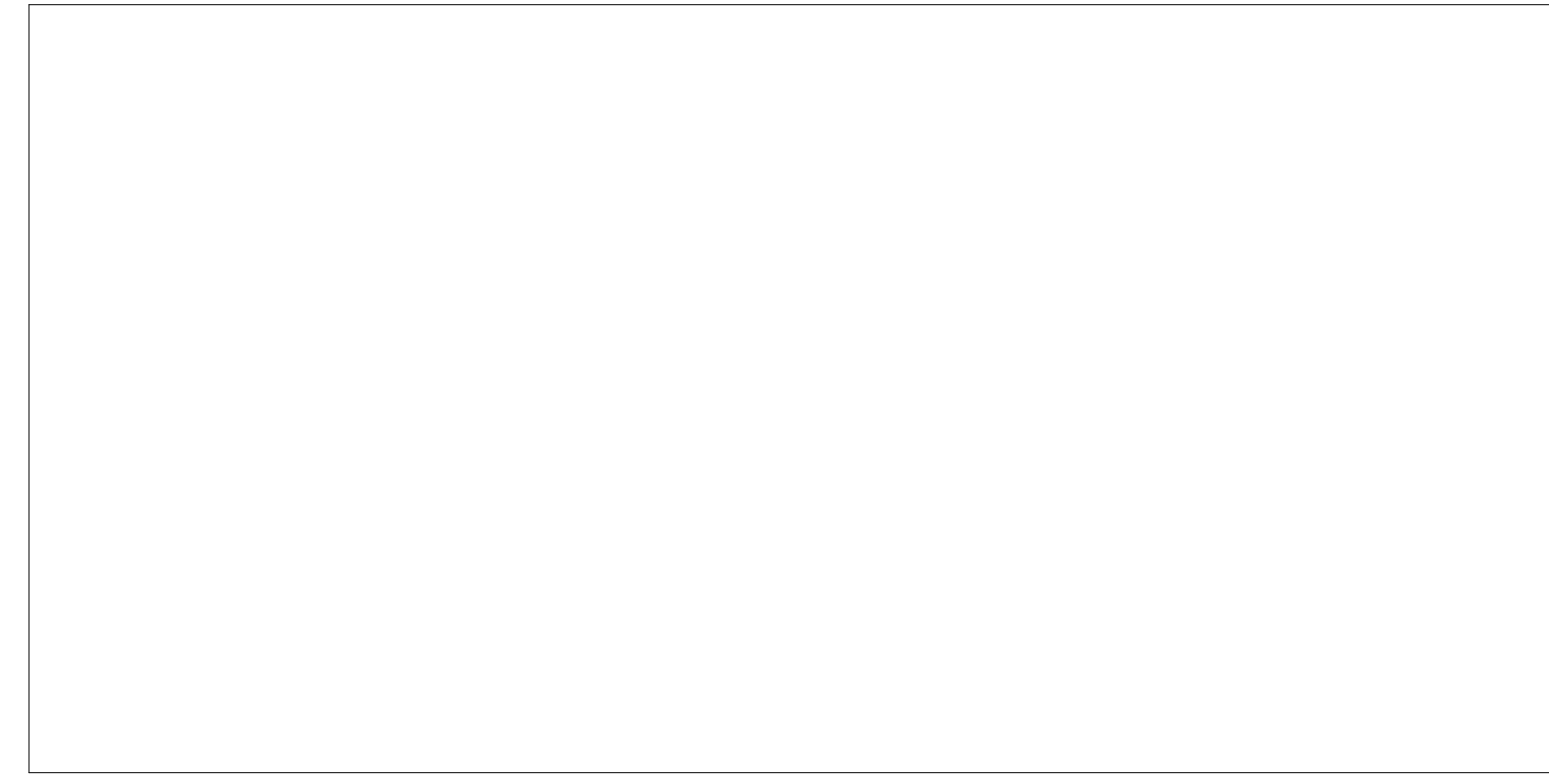
SHEET NAME:  
**TYPICAL STEEL DETAILS**

SHEET NUMBER:  
**S031**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



APPROVAL STAMP AREA



**DIGSAU**

**CLIENT**  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

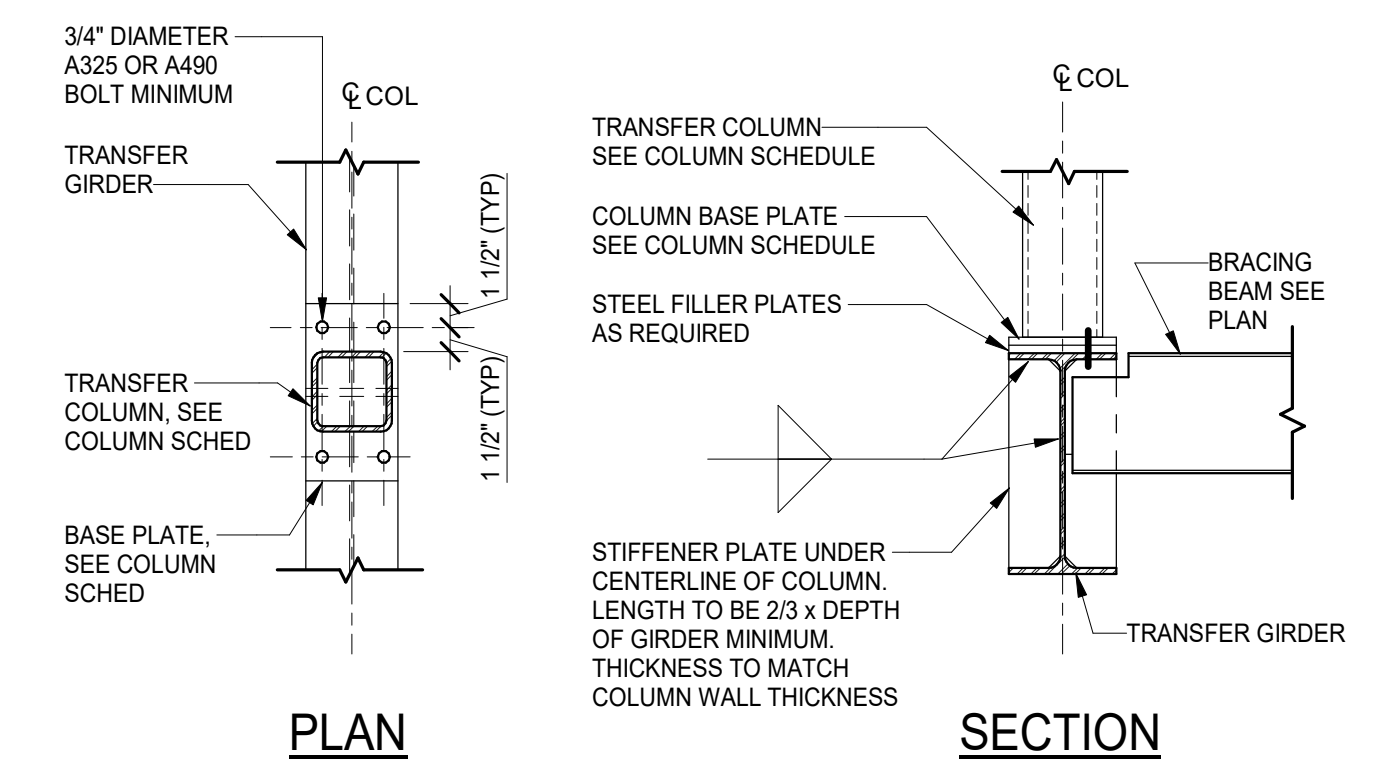
**MEP/FP ENGINEER**  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.1612

**LIGHTING DESIGN**  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

**COST ESTIMATING**  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 810.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

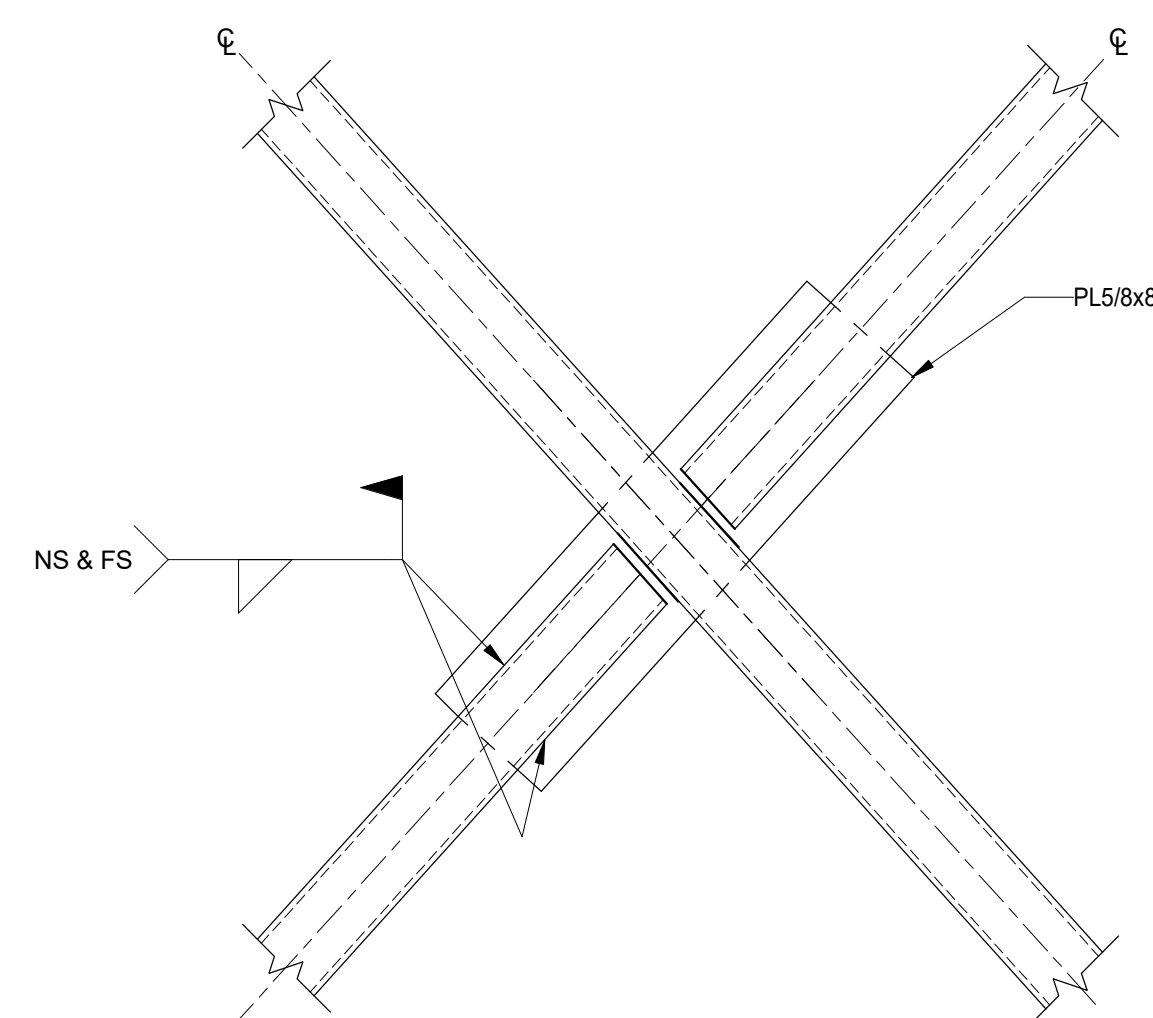
**LEED CONSULTANT**  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.315.0557  
 www.databasedplus.com



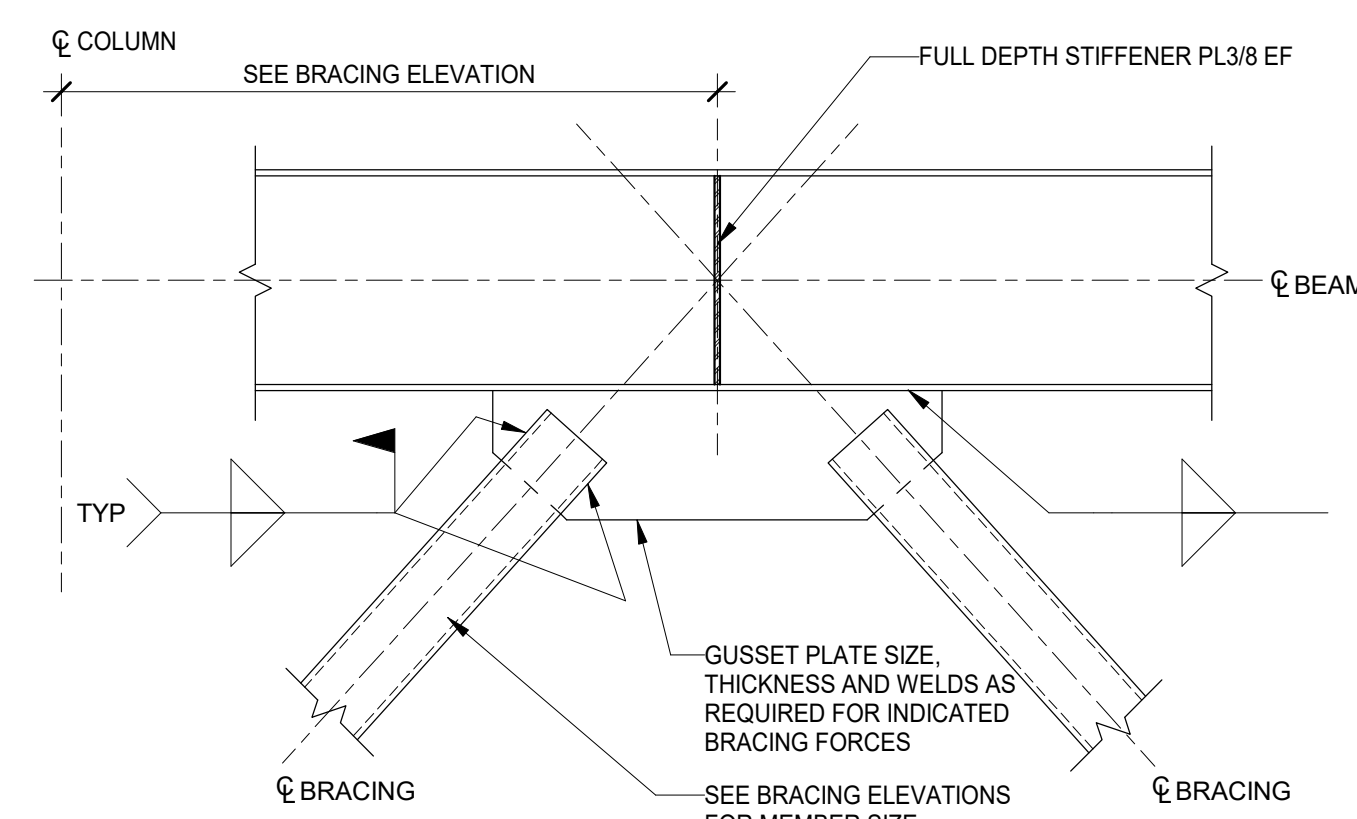
- NOTES:  
 1. FIELD SURVEY AND SET FILLER PLATES TO CORRECT ELEVATION PRIOR TO ERECTING COLUMN.  
 2. PROVIDE TEMPORARY BRACING TO TRANSFER GIRDER FOR LATERAL STABILITY PRIOR TO DECK POUR.

**5 TYPICAL COLUMN TRANSFER DETAIL (HSS TUBE COLUMN)**  
 S032 Scale: NTS

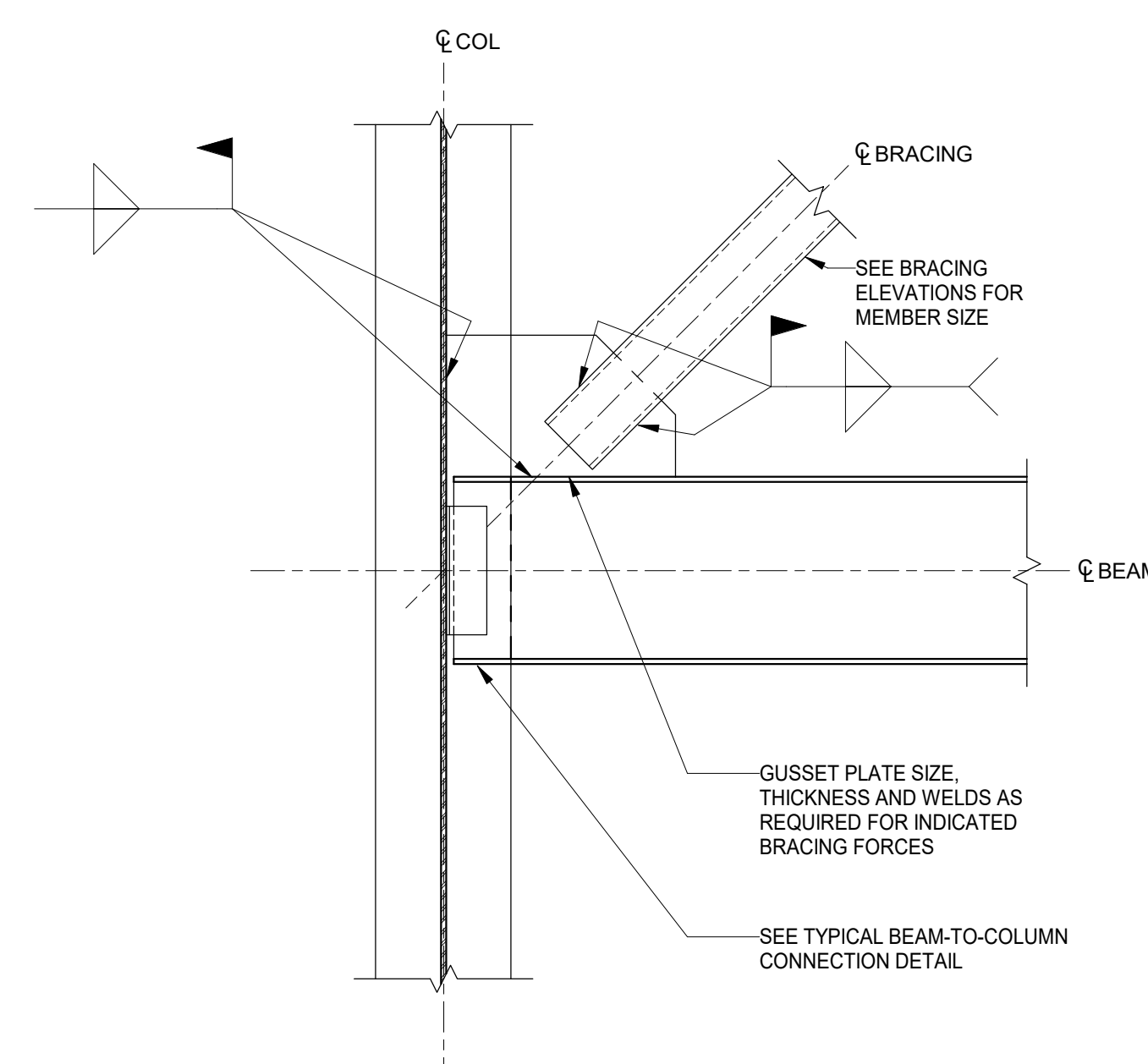
DATE: DESCRIPTION:



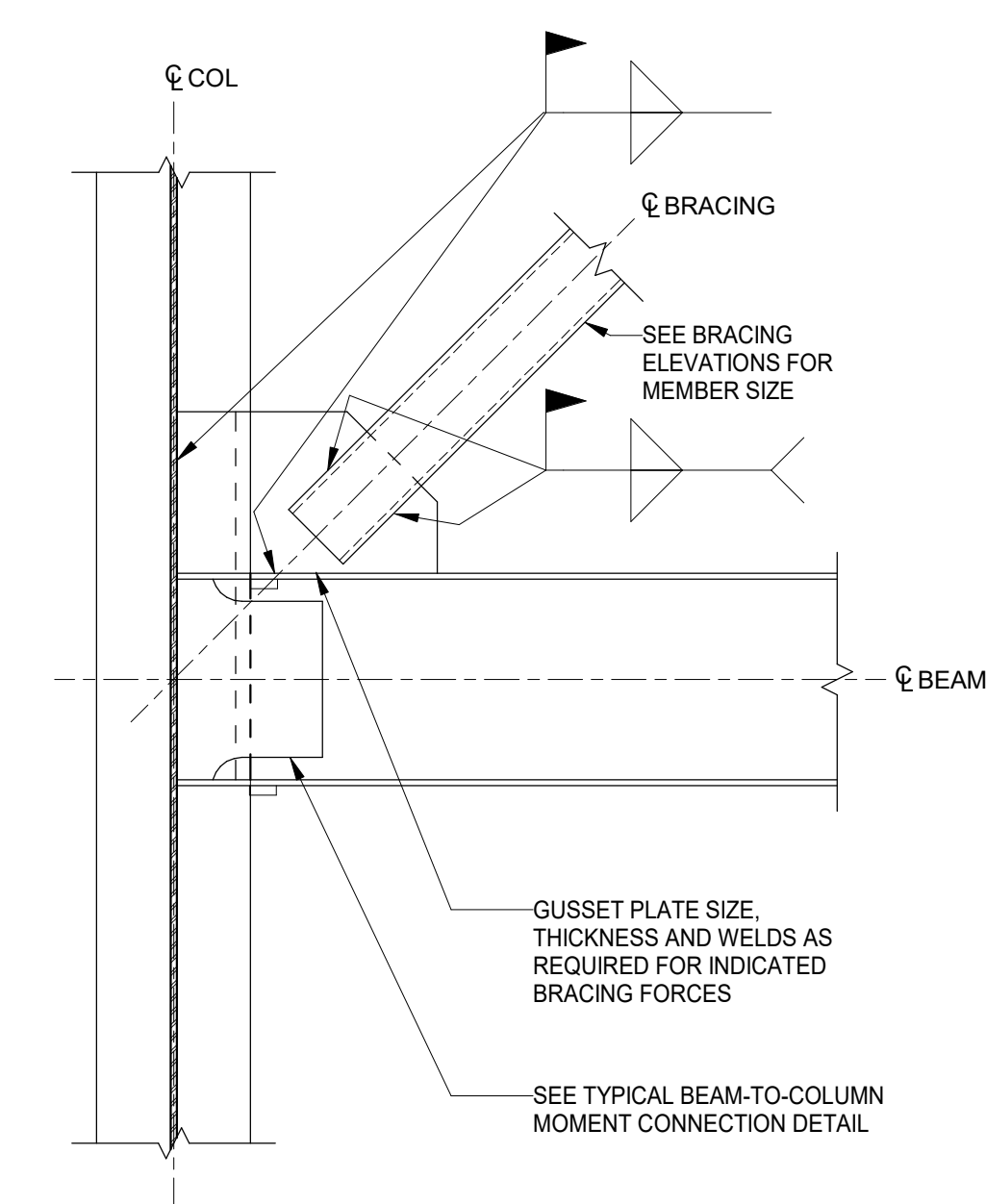
**4 TYPICAL HSS BRACING CONN DETAIL (CONCENTRIC BRACING)**  
 S032 Scale: 1" = 1'-0"



**3 TYPICAL HSS BRACING CONNECTION DETAIL**  
 S032 Scale: 1" = 1'-0"



**2 TYPICAL HSS BRACING CONNECTION DETAIL (COLUMN WEB)**  
 S032 Scale: 1" = 1'-0"



**1 TYPICAL HSS BRACING MOMENT CONNECTION DETAIL (COLUMN WEB)**  
 S032 Scale: 1" = 1'-0"

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave  
 Philadelphia, PA 19143

PROJECT #: 2020  
 SCALE: NTS  
 FORMAT: 30" X 42"  
 DRAWN: AB  
 CHECKED: JE  
 DATE: 4/7/2023

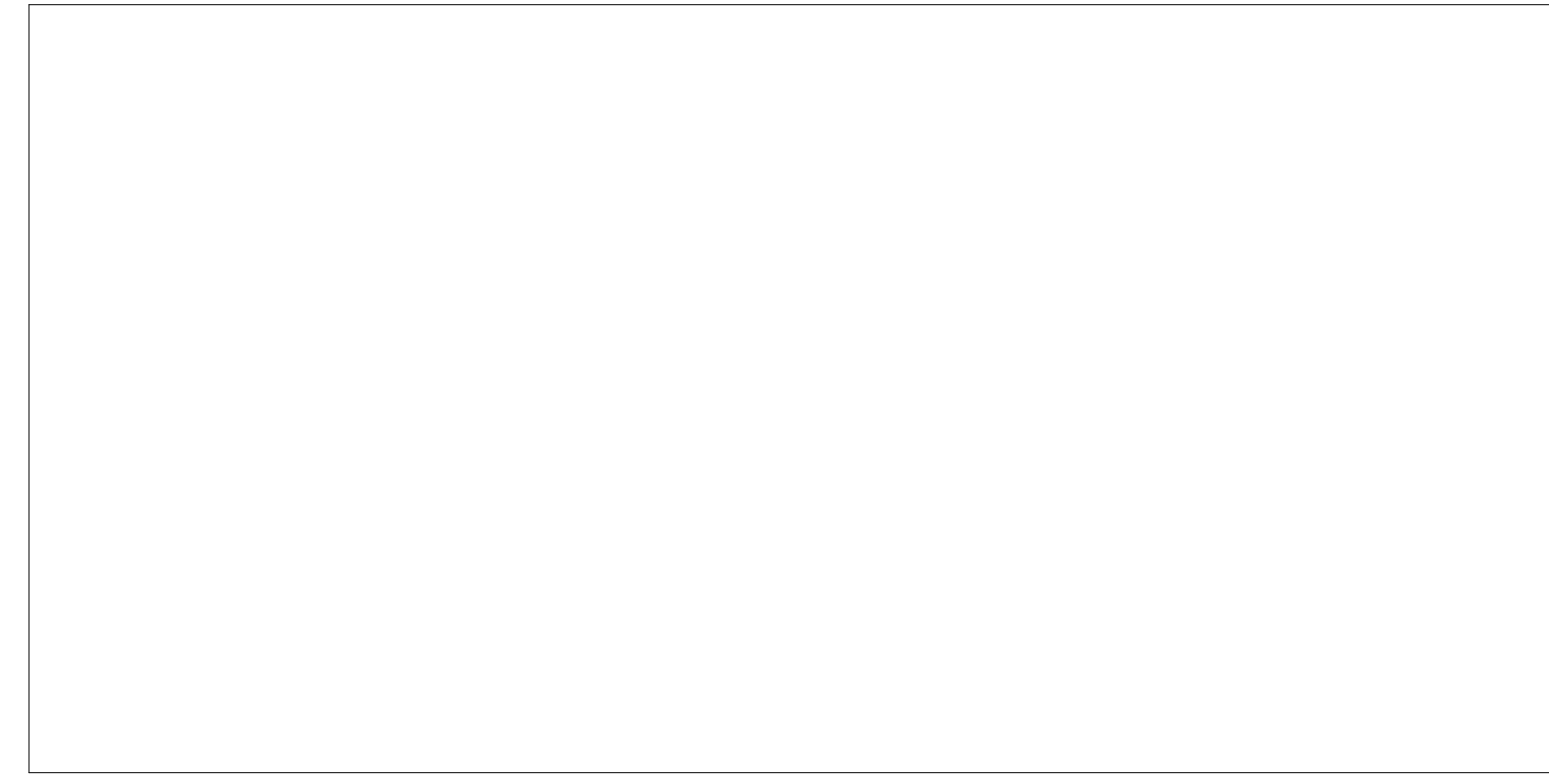
SHEET NAME:  
**TYPICAL STEEL DETAILS**

SHEET NUMBER:  
**S032**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



APPROVAL STAMP AREA



# DIGSAU

**CLIENT**  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

**MEP/FP ENGINEER**  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.1612

**LIGHTING DESIGN**  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

**COST ESTIMATING**  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 810.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

**LEED CONSULTANT**  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.915.0557  
 www.databasedplus.com

DATE: DESCRIPTION:

## FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave  
 Philadelphia, PA 19143

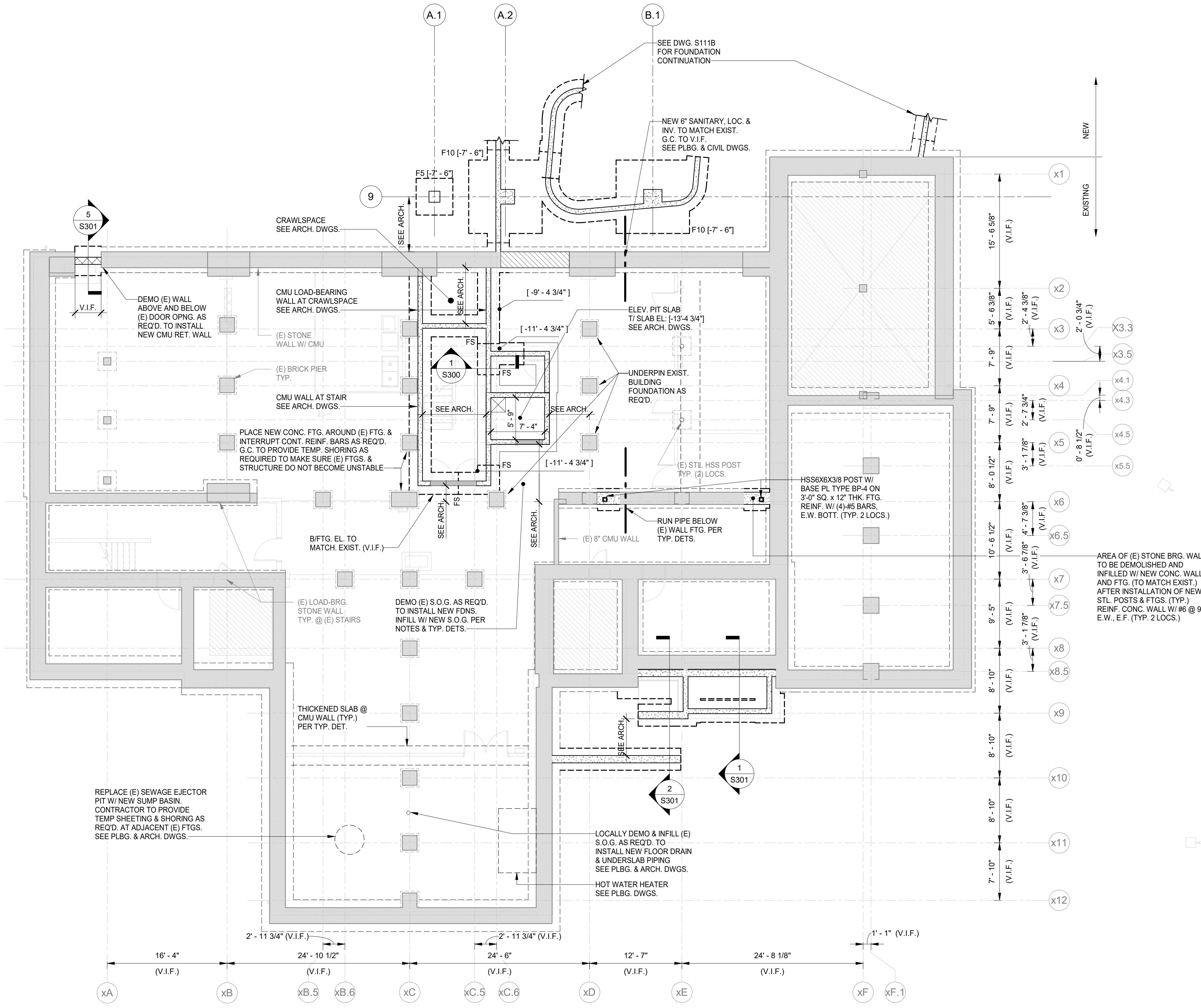
PROJECT #:	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023

### SHEET NAME: FOUNDATION PLAN - BASEMENT RENOVATION

SHEET NUMBER:

# S110

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



#### FOUNDATION PLAN NOTES

- TOP OF SLAB ELEVATION SHALL BE [-9' - 4 3/4"] RELATIVE TO CIVIL DATUM (+85.42) (UNO)
- TYPICAL FLOOR SLAB (UNO) SHALL BE 5" CONCRETE SLAB-ON-GRADE W/ 6#x12 @ 12" ON CENTER W/WR (UNO)
- PROVIDE THICKENED SLAB BELOW ALL NON-LOAD BEARING CMU WALLS AS INDICATED ON THE ARCHITECTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR WALL LOCATIONS AND EXTENTS. SEE TYPICAL DETAILS FOR THICKENED SLAB AND TOP OF WALL RESTRAINT.
- ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY ARCHITECT.
- CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL AND MEP/FP DRAWINGS.
- AT ALL LOCATIONS WHERE PIPING RUNS BENEATH OR THROUGH CONCRETE FOUNDATION WALLS SEE DETAILS.
- ALL FOOTINGS TO BE CENTERED ON COLUMN PIERS (UNO)
- SEE ARCH. DWGS FOR WATERPROOFING AND INSULATING REQUIREMENTS AND LOCATIONS.
- PER THE GEOTECHNICAL REPORT (SEE GENERAL NOTES), FOUNDATIONS HAVE BEEN DESIGNED USING A MAXIMUM ALLOWABLE BEARING PRESSURE OF 4,000 PSF. CONTRACTOR SHALL ALLOW OWNERS GEOTECHNICAL ENGINEER TO OBSERVE SUBGRADE CONDITIONS TO CONFIRM BEARING CAPACITY PRIOR TO PLACEMENT OF FORMS OR REINFORCING STEEL.
- SEE GENERAL NOTES AND TYPICAL DETAIL SHEETS FOR ADDITIONAL CONSTRUCTION INFORMATION.
- SEE DRAWING S201 FOR STEEL COLUMN SCHEDULE.

#### ABBREVIATIONS LEGEND

CJ	INDICATES CONTRACTION/ CONSTRUCTION JOINT
FS	INDICATES FOOTING STEP
P #	DENOTES PIER TYPE
[FT-IN"]	T/PIER EL.: [-1' - 0"] (UNO) SEE PIER SCHEDULE ON S202
F #	DENOTES FOOTING TYPE
[FT-IN"]	T/FOOTING ELEVATION AS NOTED ON PLANS SEE FOOTING SCHEDULE ON S202
T/WALL	INDICATES TOP OF WALL ELEVATION
T/SLAB	INDICATES TOP OF SLAB ELEVATION

#### SYMBOLS LEGEND

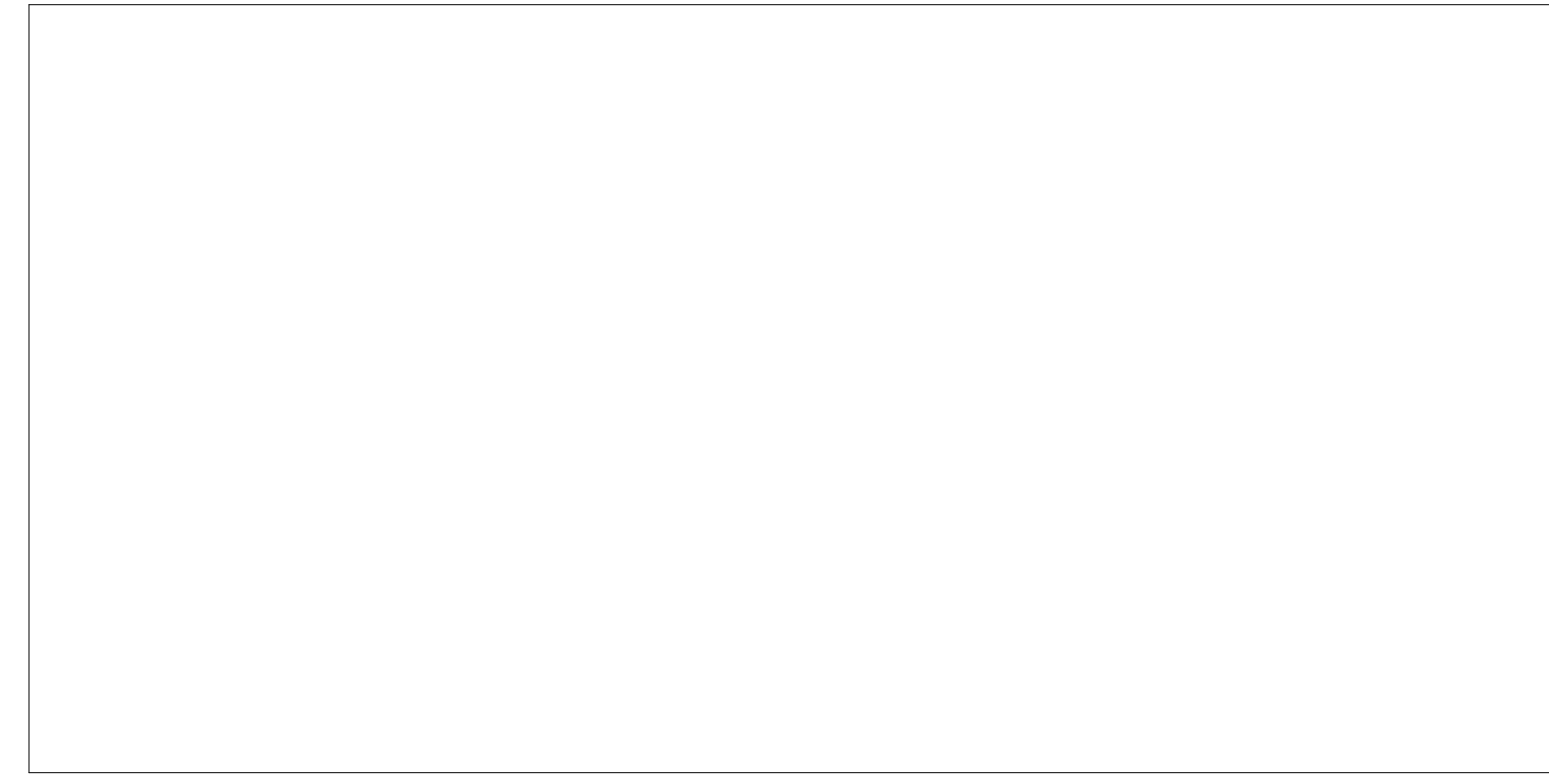
	INDICATES SLAB STEP
	INDICATES DOOR ENTRANCE CONDITION T/WALL ELEVATION SHALL BE [-1' - 0"] (UNO)
	INDICATES NON-LOAD BEARING CMU WALLS. COORD. LOCATIONS AND WALL TYPES W/ ARCH. DWGS. ALL WALL SHALL BE REINFORCED VERTICALLY WITH (1) - #5 BAR @ 24" OC WITH 9 GAGE HORIZONTAL JOINT REINFORCING @ 16" OC. ALL WALLS SHALL BE FULLY GROUTED.
	INDICATES SLAB DEPRESSION, COORDINATE LOCATIONS AND DEPTHS W/ ARCH. DWGS.

### 1 BASEMENT RENOVATION FOUNDATION PLAN

S110 Scale: 1/8" = 1'-0"



APPROVAL STAMP AREA



**CLIENT**  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

**MEP/FP ENGINEER**  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.1612

**LIGHTING DESIGN**  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

**COST ESTIMATING**  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 810.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

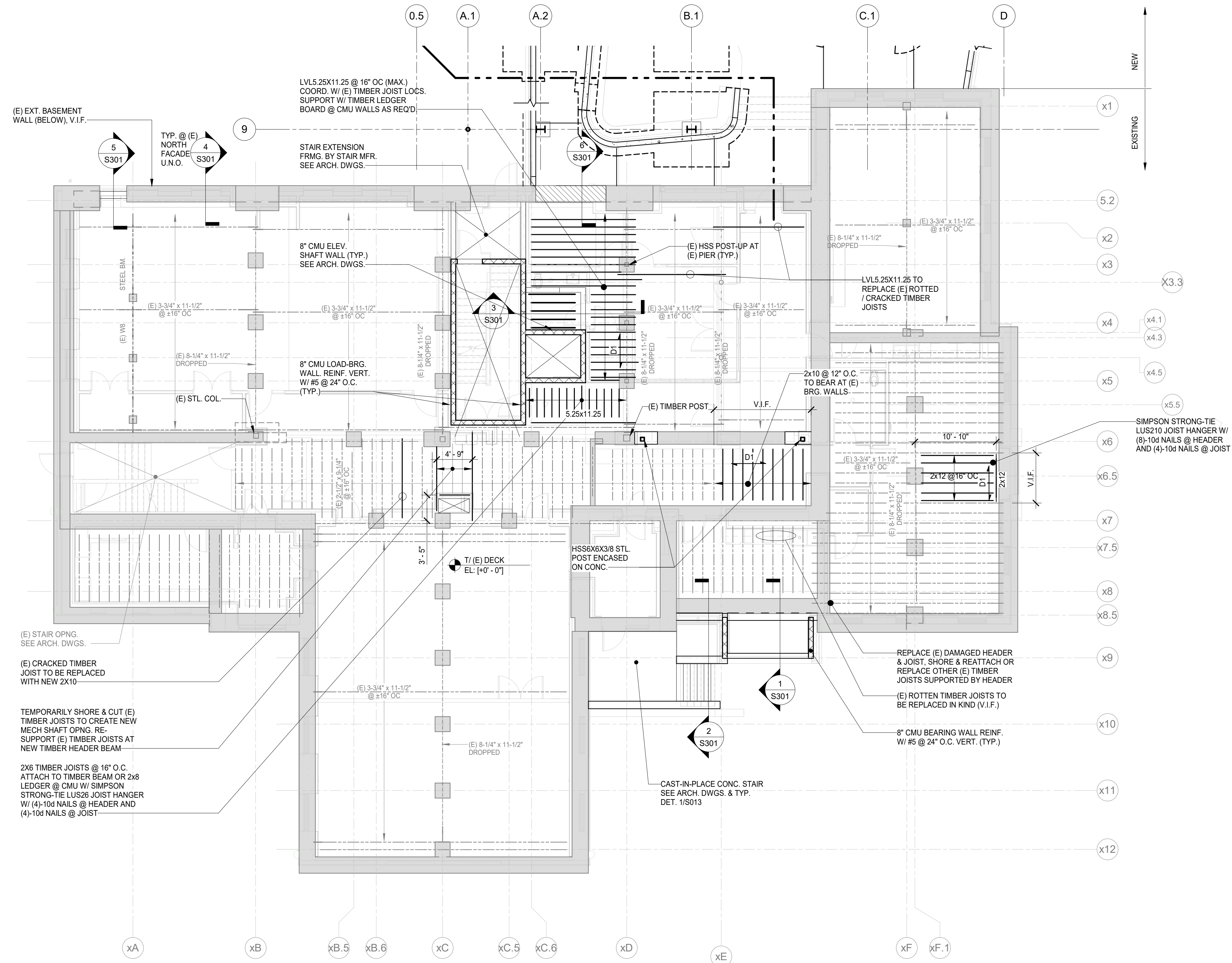
**LEED CONSULTANT**  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.915.0557  
 www.databasedplus.com

**FRAMING PLAN NOTES:**

- TOP OF BEAM ELEVATIONS NOTED ON PLAN THUS (4FT - IN) ARE RELATIVE TO GROUND FLOOR TOP OF SLAB ELEVATION
- FRAMING SHALL BE EVENLY SPACED IN BAYS (UNO) AS INDICATED ON PLAN.
- CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF WORK.
- SEE ARCHITECTURAL DRAWINGS FOR FLOOR ASSEMBLY FIRE RATING AND FIREPROOFING REQUIREMENTS.
- EXTERIOR WALL BACK-UP FRAMING SHALL HAVE A VERTICAL SLIP JOINT AT THE FLOOR LINE CAPABLE OF ACCOMMODATING A MINIMUM VERTICAL MOVEMENT OF STEEL MEMBER SHAPN 360. SEE ARCHITECTURAL DETAILS.
- ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY ARCHITECT.
- ALL FRAMING MEMBERS SHALL BE PROPERLY BRACED BY THE CONTRACTOR UNTIL THE STRUCTURAL DIAPHRAGM HAS BEEN COMPLETELY CONSTRUCTED.
- FRAMING NOT SPECIFICALLY DIMENSIONED SHALL BE ASSUMED EQUALLY SPACED.
- SEE GENERAL NOTES AND TYPICAL DETAILS SHEETS FOR ADDITIONAL CONSTRUCTION INFO.

**FRAMING PLAN LEGEND:**

- D1 → INDICATES DIRECTION OF SPAN OF FLOOR DECK. FLOOR DECK TO BE 3/4" THICK, CDX EXPOSURE I, 5 PLY WITH A 4824 APA SPAN RATING. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
- D2 → INDICATES SPAN OF FLOOR DECK. FLOOR DECK TO BE USG STRUCTURAL PANEL CONCRETE SUBFLOOR. SEE ARCH. DWGS. FOR ADDL. INFO.
- 2x (4FT - IN) INDICATES T/ BM. ELEVATION. SEE PLAN NOTE #1.
- EOD INDICATES EDGE OF DECK.



**1 LEVEL 1 RENOVATION - FRAMING PLAN**  
 S111A Scale: 1/8" = 1'-0"

DATE:	DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave  
 Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023

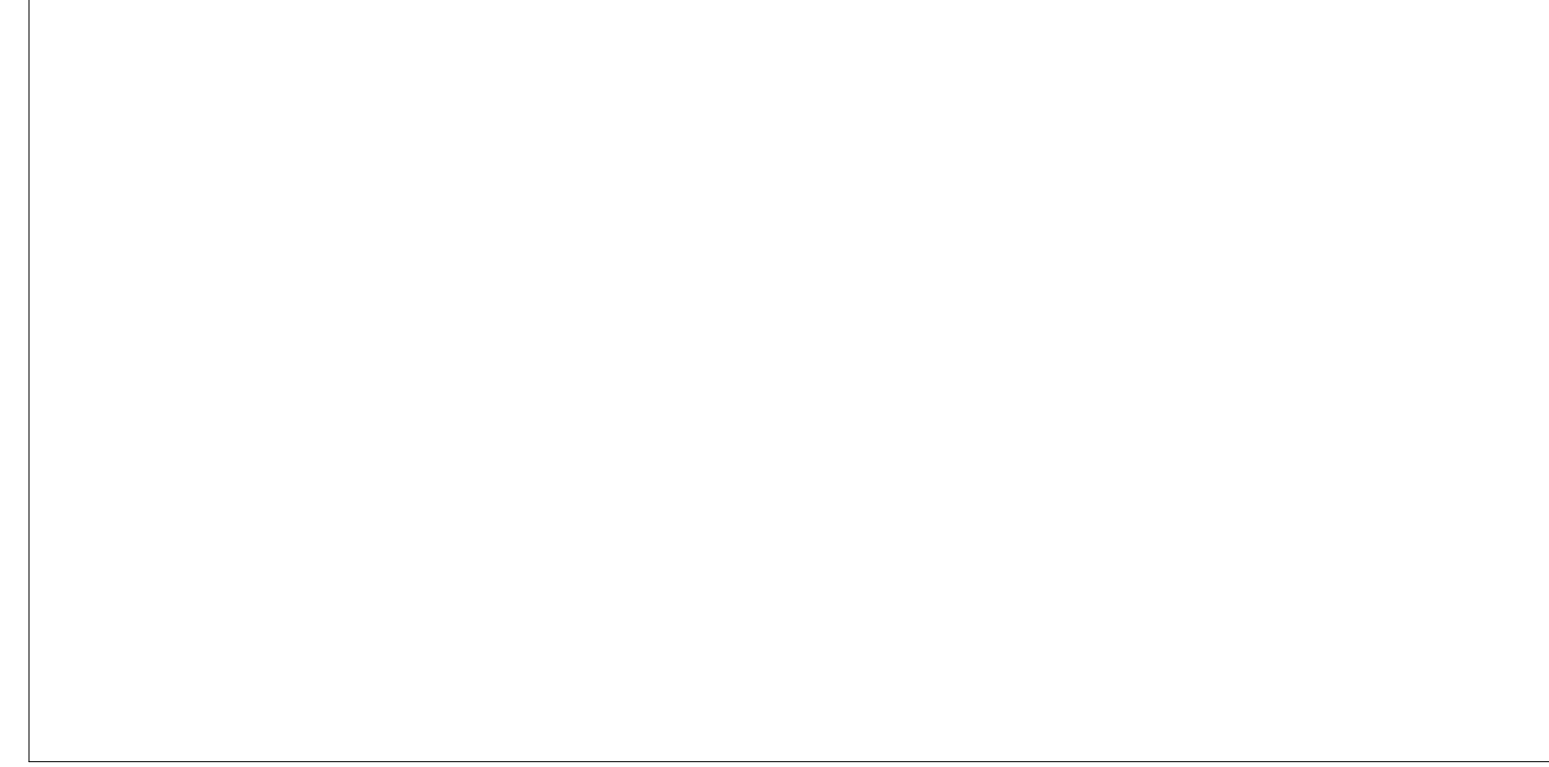
**SHEET NAME:**  
**FRAMING PLAN - LEVEL 1 RENOVATION**

**SHEET NUMBER:**  
**S111A**

**PROJECT PHASE:**  
**CONSTRUCTION DOCUMENTS**



APPROVAL STAMP AREA



**DIGSAU**

CLIENT  
**REBUILD**  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

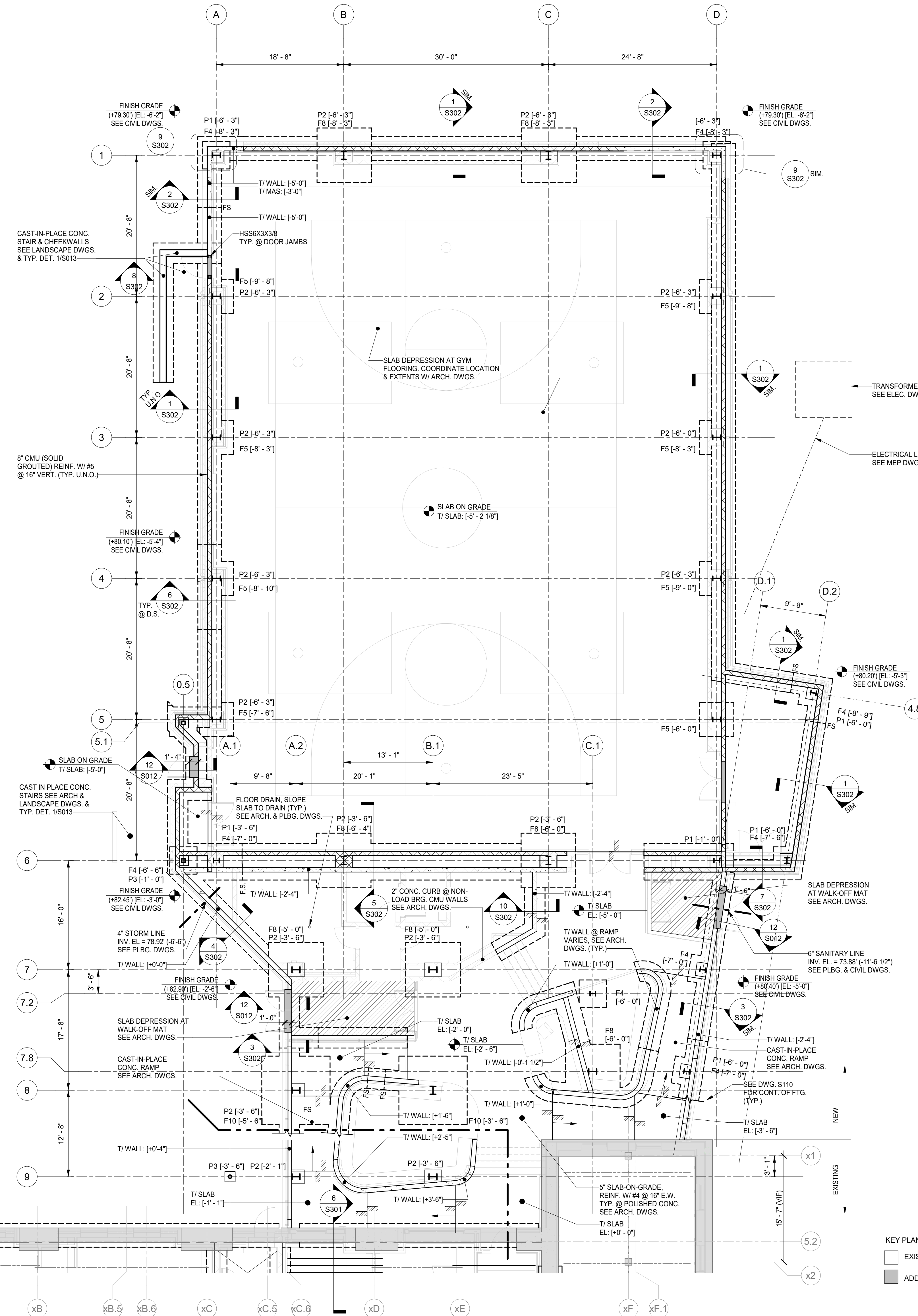
MEP/FP ENGINEER  
**dbHMS**  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 287.217.1612

LIGHTING DESIGN  
**The Lighting Practice**  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 610.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
**Database+**  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.915.0557  
www.databasedplus.com



**FOUNDATION PLAN NOTES**

- TOP OF SLAB ELEVATION SHALL BE (+0'-0") RELATIVE TO CIVIL DATUM (+86.42) (UNO).
- TYPICAL FLOOR SLAB (UNO) SHALL BE 5" CONCRETE SLAB-ON-GRADE W/ 60#W2 9W2 9 WWR (UNO).
- PROVIDE THICKENED SLAB BELOW ALL NON-LOAD BEARING CMU WALLS AS INDICATED ON THE ARCHITECTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR WALL LOCATIONS AND EXTENTS. SEE TYPICAL DETAILS FOR THICKENED SLAB AND TOP OF WALL RESTRAINT.
- ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY ARCHITECT.
- CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL AND MEP/FP DRAWINGS.
- AT ALL LOCATIONS WHERE PIPING RUNS BENEATH OR THROUGH CONCRETE FOUNDATION WALLS SEE DETAILS.
- ALL FOOTINGS TO BE CENTERED ON COLUMN PIERS (UNO).
- SEE ARCH DWGS FOR WATERPROOFING AND INSULATING REQUIREMENTS AND LOCATIONS.
- PER THE GEOTECHNICAL REPORT (SEE GENERAL NOTES), FOUNDATIONS HAVE BEEN DESIGNED USING A MAXIMUM ALLOWABLE BEARING PRESSURE OF 4,000 PSF. CONTRACTOR SHALL ALLOW OWNERS GEOTECHNICAL ENGINEER TO OBSERVE SUBGRADE CONDITIONS TO CONFIRM BEARING CAPACITY PRIOR TO PLACEMENT OF FORMS OR REINFORCING STEEL.
- SEE GENERAL NOTES AND TYPICAL DETAIL SHEETS FOR ADDITIONAL CONSTRUCTION INFORMATION.
- SEE DRAWING S201 FOR STEEL COLUMN SCHEDULE.

**ABBREVIATIONS LEGEND**

- |         |  |
|---------|--|
| CJ      | INDICATES CONTRACTION/CONSTRUCTION JOINT                                       |
| FS      | INDICATES FOOTING STEP   |
| P#      | DENOTES PIER TYPE  |
| (FT-IN) | ALL PIERS SHALL BE P1 (UNO) T/PIER EL (+1'-0") (UNO) SEE PIER SCHEDULE ON S202 |
| F#      | DENOTES FOOTING TYPE ELEVATION AS NOTED ON PLANS SEE SCHEDULE ON S202          |
| (FT-IN) |  |
| T/WALL  | INDICATES TOP OF WALL ELEVATION  |
| T/SLAB  | INDICATES TOP OF SLAB ELEVATION  |
| BF-X    | DENOTES BRACED FRAME TYPE  |

**SYMBOLS LEGEND**

- |  |   |
|--|---|
|  | INDICATES SLAB STEP   |
|  | INDICATES DOOR ENTRANCE CONDITION T/WALL ELEVATION SHALL BE (+1'-0") (UNO)  |
|  | INDICATES NON-LOAD BEARING CMU WALLS. COORD LOCATIONS AND WALL TYPES W/ ARCH. DWGS. ALL WALL SHALL BE REINFORCED VERTICALLY WITH (1) #5 BAR @ 24" OC WITH 9 GAGE HORIZONTAL JOINT REINFORCING @ 16" OC. ALL WALLS SHALL BE FULLY GROUTED. |
|  | INDICATES SLAB DEPRESSION. COORDINATE LOCATIONS AND DEPTHS W/ ARCH. DWGS.   |

**1 LEVEL 1 ADDITION - FOUNDATION PLAN**  
S111B Scale: 1/8" = 1'-0"

DATE: DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #: 2020  
SCALE: As indicated  
FORMAT: 30" X 42"  
DRAWN: AB  
CHECKED: JE  
DATE: 4/7/2023

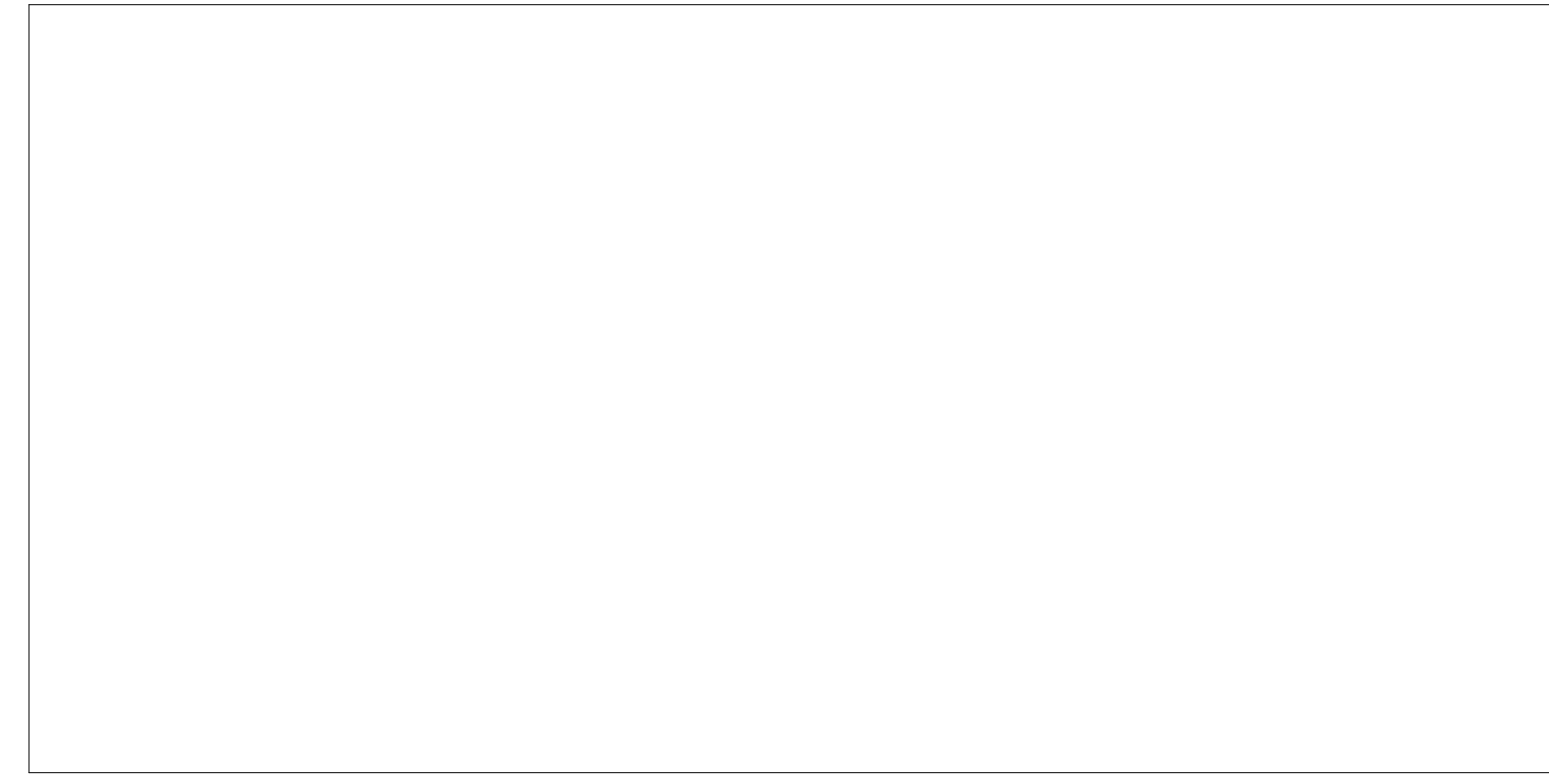
**SHEET NAME: FOUNDATION PLAN - LEVEL 1 ADDITION**

SHEET NUMBER:  
**S111B**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



APPROVAL STAMP AREA



**DIGSAU**

CLIENT  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

MEP/FP ENGINEER  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.1612

LIGHTING DESIGN  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 810.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

LEED CONSULTANT  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.915.0557  
 www.databasedplus.com

DATE: DESCRIPTION:

**FRANCIS J. MYERS  
 RECREATION CENTER  
 SITE AND BUILDING  
 IMPROVEMENTS**

5800 Chester Ave  
 Philadelphia, PA 19143

PROJECT #: 2020  
 SCALE: As indicated  
 FORMAT: 30" X 42"  
 DRAWN: AB  
 CHECKED: JE  
 DATE: 4/7/2023

SHEET NAME:  
**FRAMING PLAN -  
 LEVEL 2  
 RENOVATION**

SHEET NUMBER:  
**S112A**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**

Revit version 2023.1 | C:\Users\almond\Documents\20202020\Francis Myers Rec Center - Structural Model\_R02\_ribbonA6D\M01.rvt  
 2020 Francis J. Myers Title Block version 2022.09.14 | Printed: 4/20/2023 2:07:59 PM

**FRAMING PLAN NOTES:**

- TOP OF BEAM ELEVATIONS NOTED ON PLAN THUS (+FT' - IN") ARE RELATIVE TO GROUND FLOOR TOP OF SLAB ELEVATION
- FRAMING SHALL BE EVENLY SPACED IN BAYS (UNO) AS INDICATED ON PLAN
- CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF WORK
- SEE ARCHITECTURAL DRAWINGS FOR FLOOR ASSEMBLY FIRE RATING AND FIREPROOFING REQUIREMENTS
- EXTERIOR WALL BACK-UP FRAMING SHALL HAVE A VERTICAL SLIP JOINT AT THE FLOOR LINE CAPABLE OF ACCOMMODATING A MINIMUM VERTICAL MOVEMENT OF STEEL MEMBER SHAPN 360. SEE ARCHITECTURAL DETAILS
- ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY ARCHITECT
- ALL FRAMING MEMBERS SHALL BE PROPERLY BRACED BY THE CONTRACTOR UNTIL THE STRUCTURAL DIAPHRAGM HAS BEEN COMPLETELY CONSTRUCTED
- FRAMING NOT SPECIFICALLY DIMENSIONED SHALL BE ASSUMED EQUALLY SPACED
- SEE GENERAL NOTES AND TYPICAL DETAILS SHEETS FOR ADDITIONAL CONSTRUCTION INFO.

**FRAMING PLAN LEGEND:**

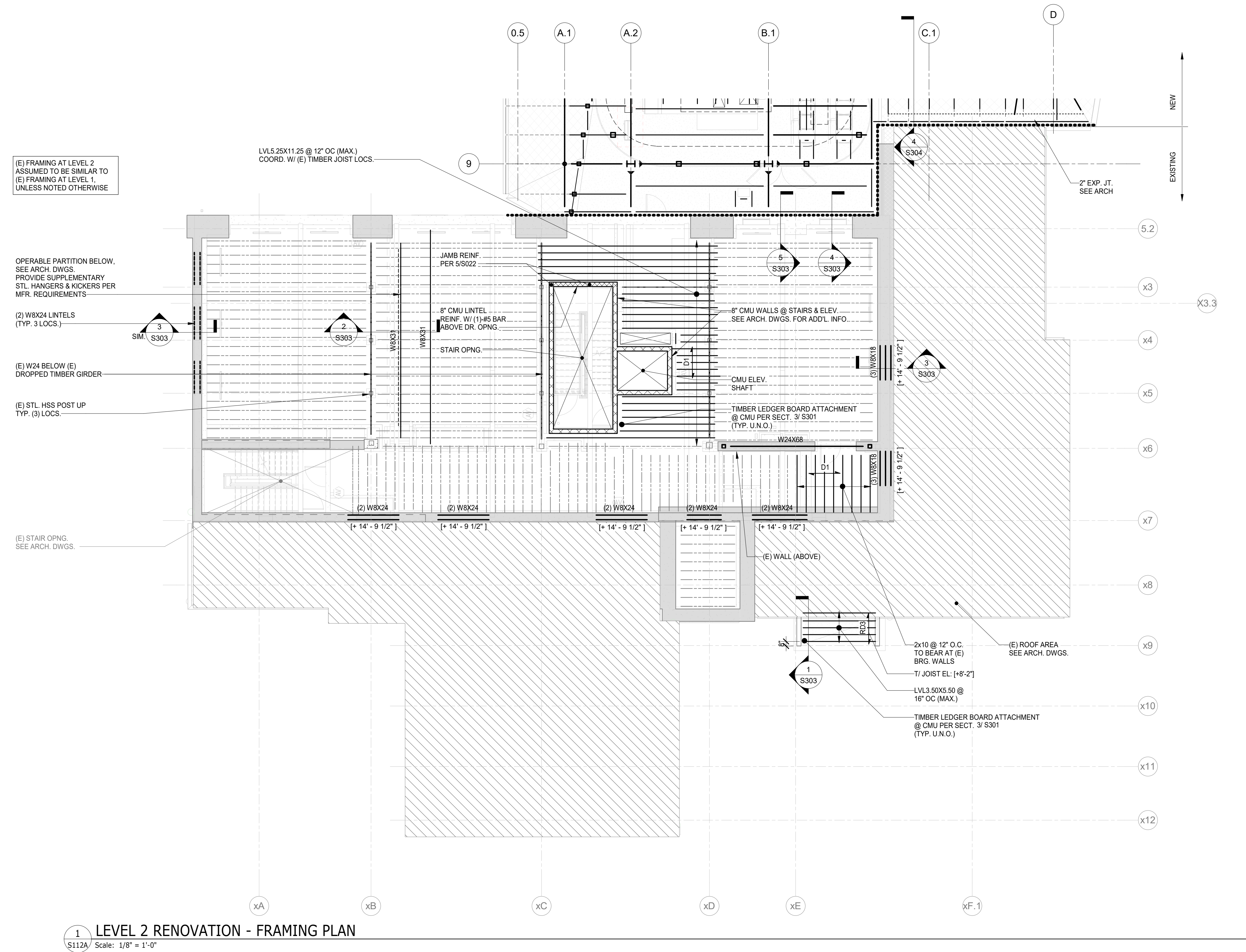
- D1 → INDICATES DIRECTION OF SPAN OF FLOOR DECK. FLOOR DECK TO BE 3/4" THICK, CDX EXPOSURE 1, 5 PLY WITH A 48/24 APA SPAN RATING. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
- 2x (+FT' - IN") INDICATES T/ BM. ELEVATION. SEE PLAN NOTE #1
- EOD INDICATES EDGE OF DECK

**ROOF FRAMING PLAN NOTES:**

- TOP OF TIMBER BEAM ELEVATIONS NOTED ON PLAN THUS (+FT' - IN") ARE RELATIVE TO GROUND FLOOR TOP OF SLAB ELEVATION
- STEEL FRAMING SHALL BE EVENLY SPACED IN BAYS (UNO) AS INDICATED ON PLAN
- CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF WORK
- SEE ARCHITECTURAL DRAWINGS FOR ROOF ASSEMBLY FIRE RATING AND FIREPROOFING REQUIREMENTS
- EXTERIOR WALL BACK-UP FRAMING SHALL HAVE A VERTICAL SLIP JOINT AT THE FLOOR LINE CAPABLE OF ACCOMMODATING A MINIMUM VERTICAL MOVEMENT OF STEEL MEMBER SHAPN 360. SEE ARCHITECTURAL DETAILS
- ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY ARCHITECT
- ALL FRAMING MEMBERS SHALL BE PROPERLY BRACED BY THE CONTRACTOR UNTIL THE STRUCTURAL DIAPHRAGM HAS BEEN COMPLETELY CONSTRUCTED
- FRAMING NOT SPECIFICALLY DIMENSIONED SHALL BE ASSUMED EQUALLY SPACED
- SEE GENERAL NOTES AND TYPICAL DETAILS SHEETS FOR ADDITIONAL CONSTRUCTION INFO.

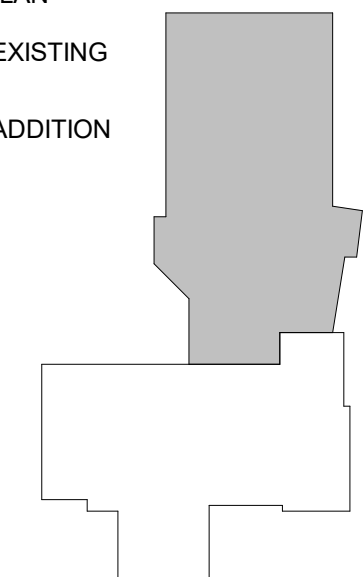
**ROOF FRAMING PLAN LEGEND:**

- RD3 → INDICATES DIRECTION OF SPAN OF ROOF DECK. ROOF DECK TO BE 1/2" THICK, CDX EXPOSURE 1, 5 PLY WITH A 32/16 APA SPAN RATING. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
- 2x (+FT' - IN") INDICATES T/ BM. ELEVATION. SEE PLAN NOTE #1
- EOD INDICATES EDGE OF DECK



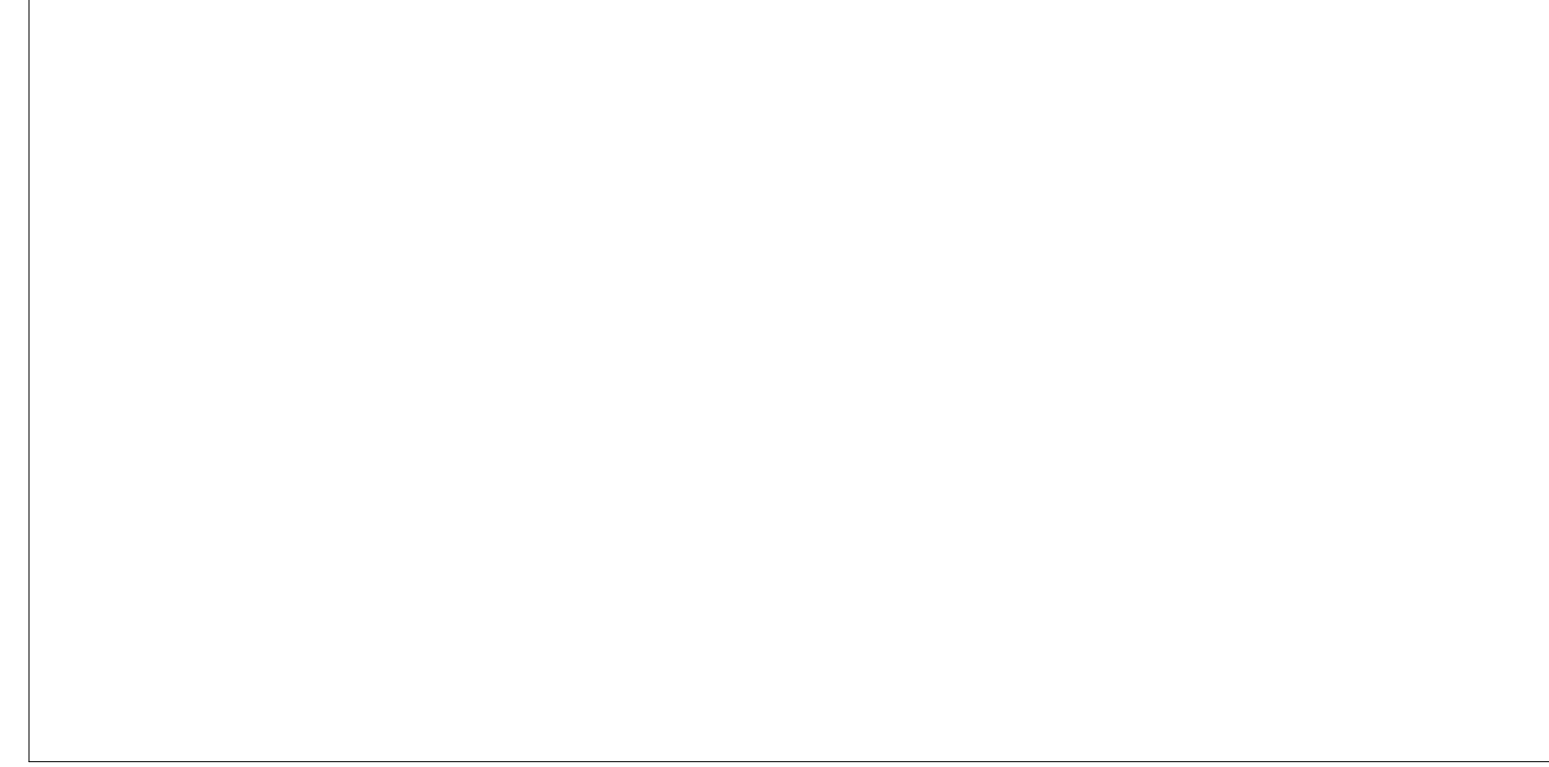
**LEVEL 2 RENOVATION - FRAMING PLAN**  
 Scale: 1/8" = 1'-0"

KEY PLAN  
 [Hatched Box] EXISTING  
 [Solid Box] ADDITION





APPROVAL STAMP AREA



**CLIENT**  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

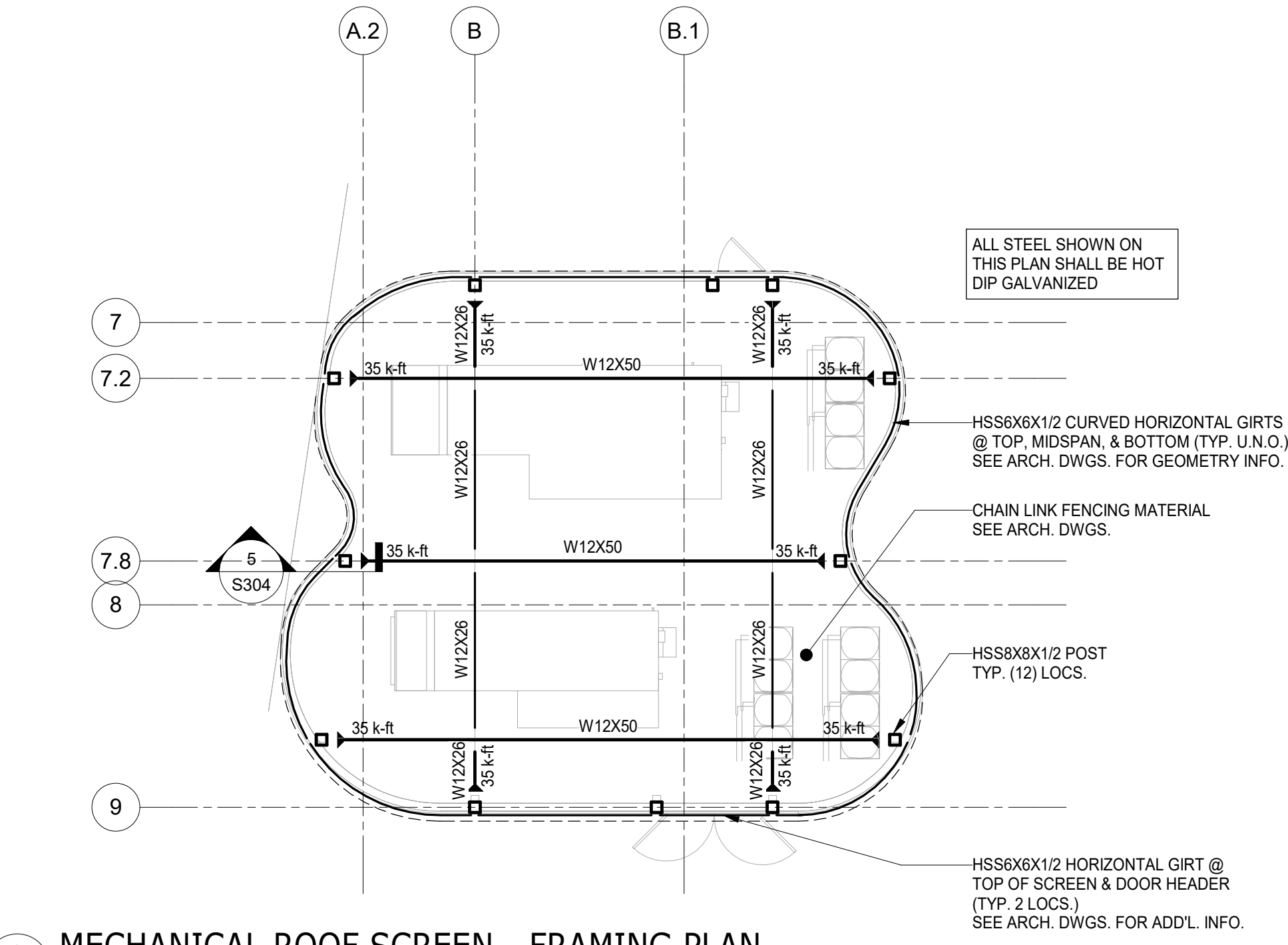
**MEP/FP ENGINEER**  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 287.217.1612

**LIGHTING DESIGN**  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

**COST ESTIMATING**  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 610.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

**LEED CONSULTANT**  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.916.0557  
 www.databasedplus.com



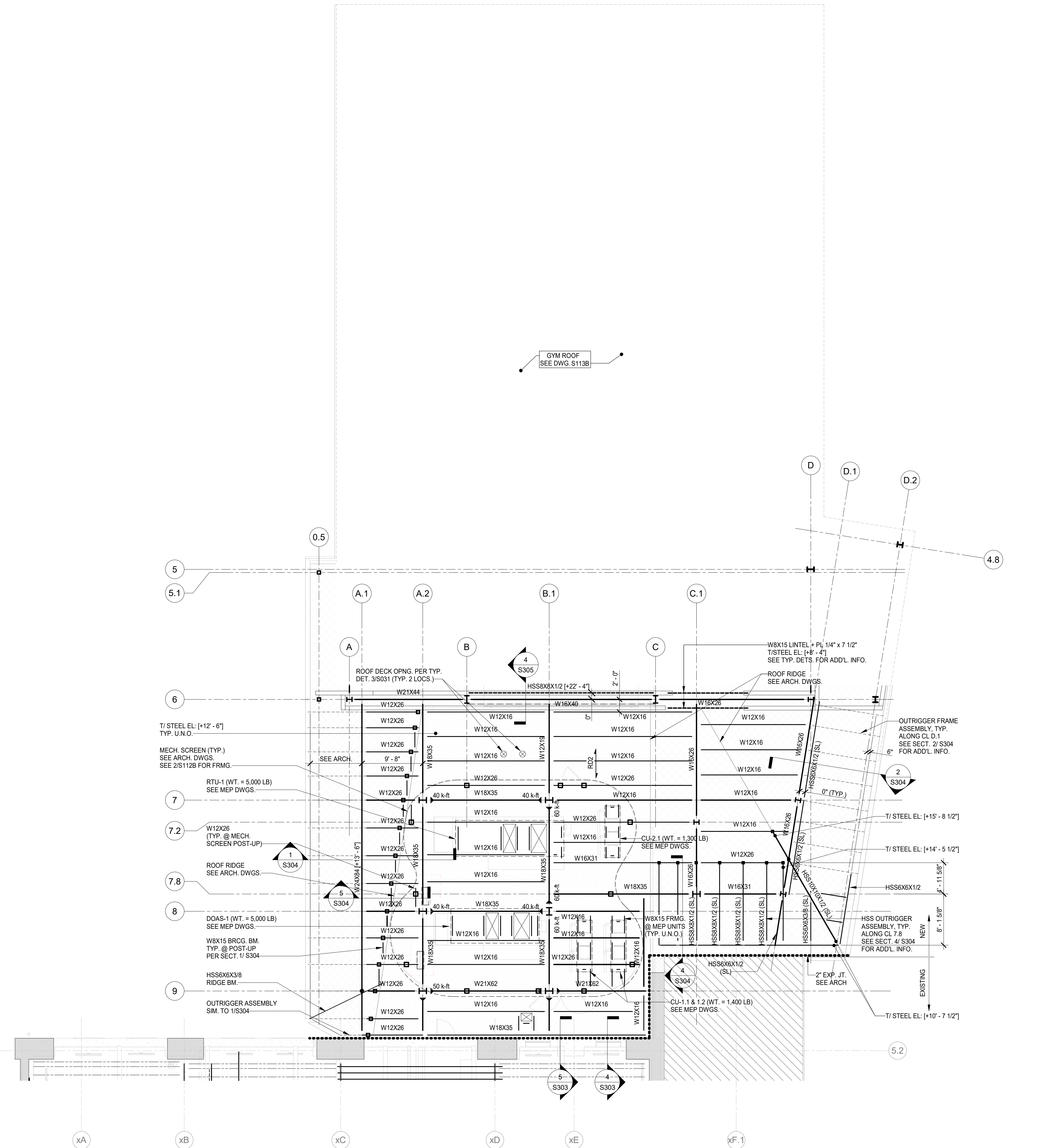
**ROOF FRAMING PLAN NOTES:**

- TOP OF STEEL ELEVATIONS NOTED ON PLAN THUS [+FT' - IN"] ARE RELATIVE TO GROUND FLOOR TOP OF SLAB ELEVATION
- STEEL FRAMING SHALL BE EVENLY SPACED IN BAYS (UNO) AT 5'-0" (MAX)
- CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF WORK
- ROOF OPENINGS REQUIRE STEEL BEAMS AS INDICATED ON PLANS, OR TYPICAL ROOF PENETRATION FRAMING ON TYPICAL DETAILS. PERIMETER ROOF EDGE SHALL HAVE CONTINUOUS L4x4x3/8 OR 3" BENT PLATE AT TOP FLANGE / CHORD
- SEE ARCHITECTURAL DRAWINGS FOR ROOF ASSEMBLY FIRE RATING AND FIREPROOFING REQUIREMENTS
- EXTERIOR WALL BACK-UP FRAMING SHALL HAVE A VERTICAL SLIP JOINT AT THE FLOOR LINE CAPABLE OF ACCOMMODATING A MINIMUM VERTICAL MOVEMENT OF STEEL MEMBER SHAPN 360. SEE ARCHITECTURAL DETAILS
- ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY ARCHITECT
- ALL FRAMING MEMBERS SHALL BE PROPERLY BRACED BY THE CONTRACTOR UNTIL THE STRUCTURAL DIAPHRAGM HAS BEEN COMPLETELY CONSTRUCTED
- COORDINATE FINAL BEAM LOCATIONS AT STAIR SLAB OPENING WITH STAIR MANUFACTURER
- FRAMING NOT SPECIFICALLY DIMENSIONED SHALL BE ASSUMED EQUALLY SPACED
- SEE GENERAL NOTES AND TYPICAL DETAILS SHEETS FOR ADDITIONAL CONSTRUCTION INFO

**ROOF FRAMING PLAN LEGEND:**

- RD2 INDICATES DIRECTION OF SPAN OF ROOF DECK. ROOF DECK TO BE 1/2" TYPE 5 (20 GA MIN) DECK INSTALLED IN 3 SPAN CONDITION W/3/4" 5/8" DIAMETER WELD PATTERN AND (2) WELDED SIDE LAP CONNECTIONS PER SPAN, SEE GENERAL NOTES
- INDICATES MOMENT CONNECTION
- Wx [FT' - IN"] INDICATES T/ STEEL ELEVATION SEE PLAN NOTE #1
- E00 INDICATES EDGE OF DECK
- BF-X DENOTES BRACED FRAME TYPE
- INDICATES ROOF AREA TO BE OVER-FRAMED WITH CFMP BUILD-UP (BY MFR.) TO CREATE ROOF PROFILE

**1 CONNECTOR ROOF ADDITION - FRAMING PLAN**  
 Scale: 1/8" = 1'-0"



**KEY PLAN**  
 [ ] EXISTING  
 [ ] ADDITION

DATE:	DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave  
 Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023

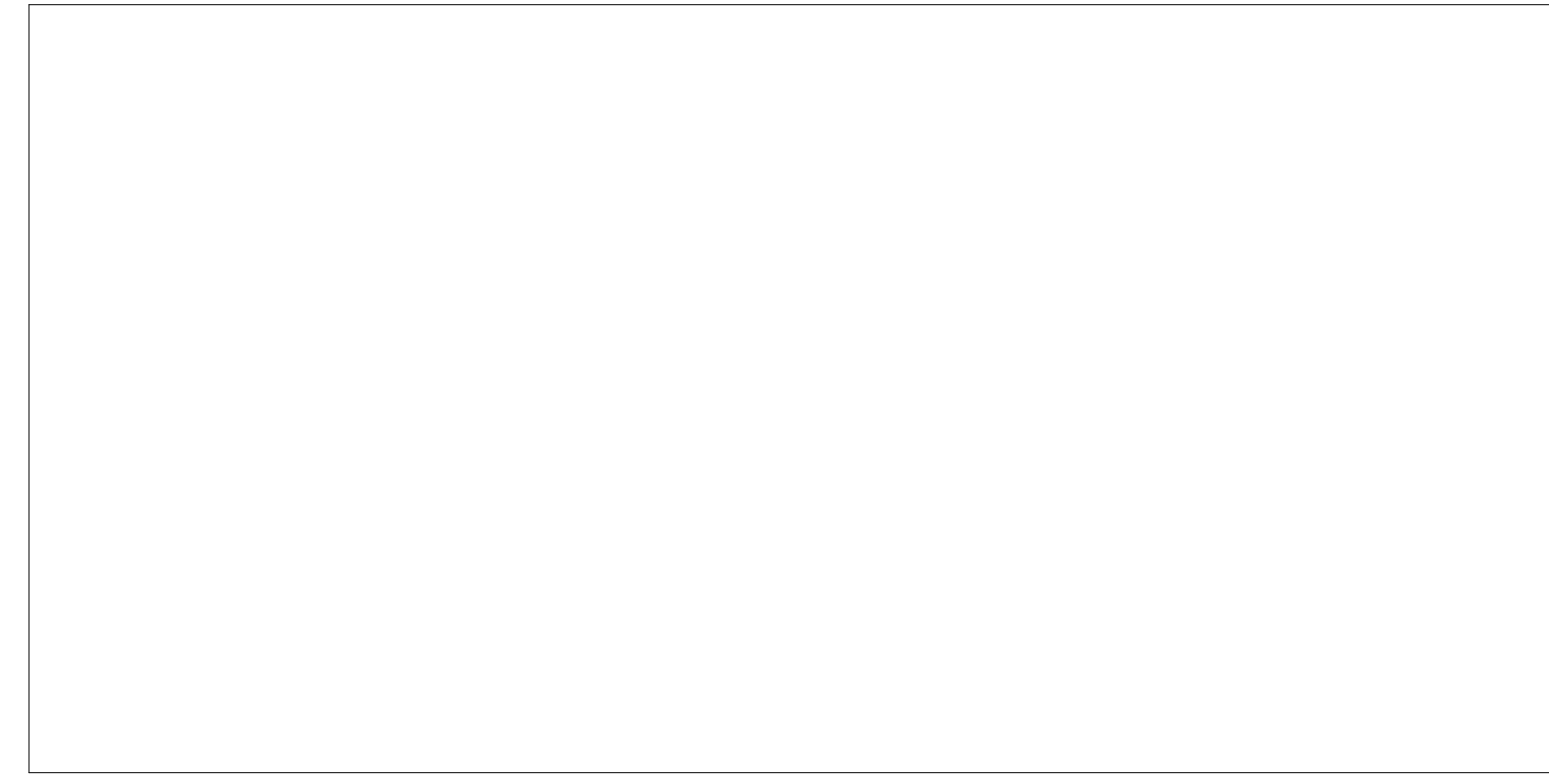
**SHEET NAME:**  
**FRAMING PLAN - CONNECTOR ROOF ADDITION**

**SHEET NUMBER:**  
**S112B**

**PROJECT PHASE:**  
**CONSTRUCTION DOCUMENTS**



APPROVAL STAMP AREA



**CLIENT**  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

**ME/P/EP ENGINEER**  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.1612

**LIGHTING DESIGN**  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

**COST ESTIMATING**  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 810.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

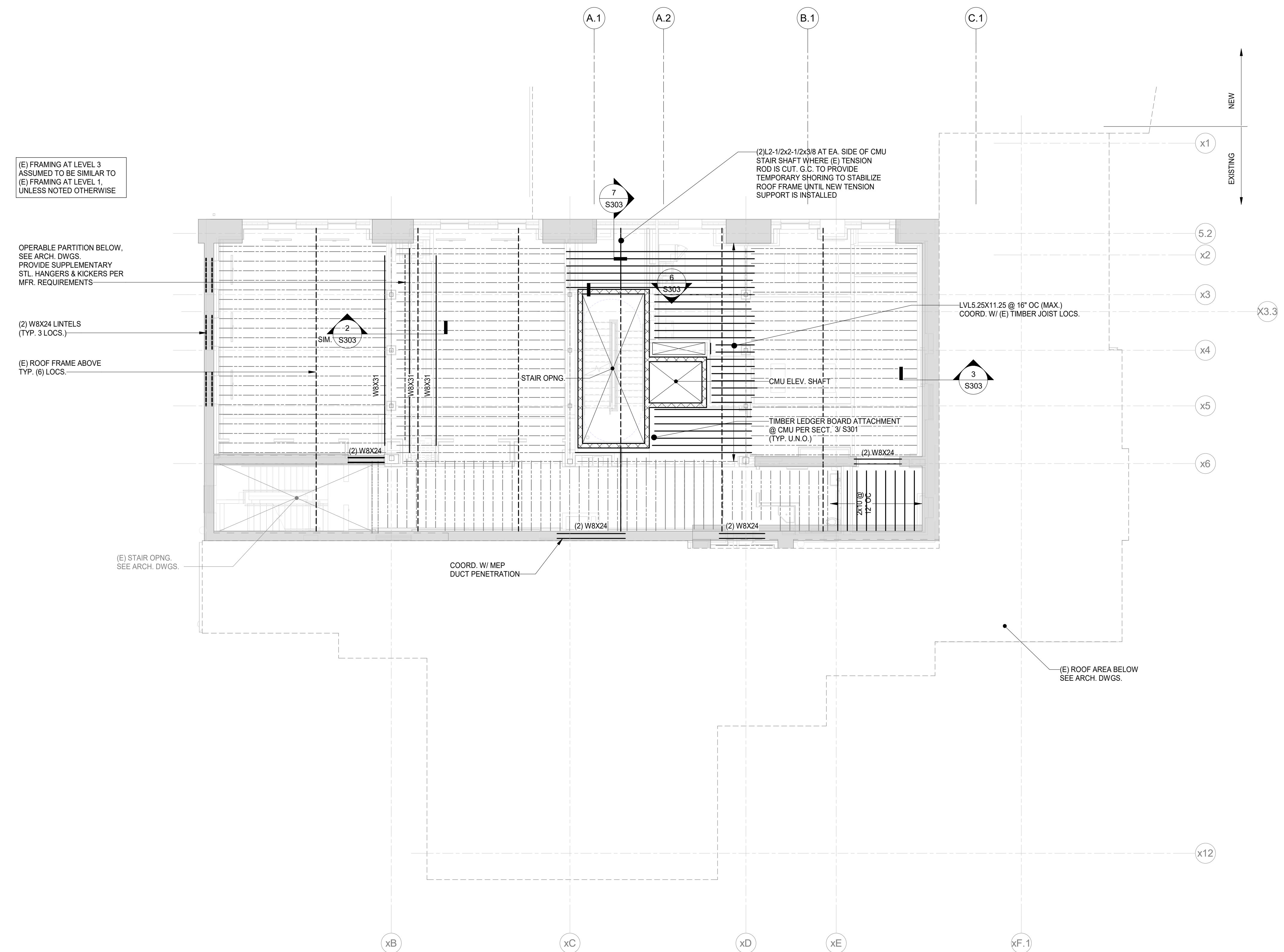
**LEED CONSULTANT**  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.916.0557  
 www.databasedplus.com

**FRAMING PLAN NOTES:**

- TOP OF BEAM ELEVATIONS NOTED ON PLAN THUS [FT" - IN"] ARE RELATIVE TO GROUND FLOOR TOP OF SLAB ELEVATION
- FRAMING SHALL BE EVENLY SPACED IN BAYS (UNO) AS INDICATED ON PLAN
- CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF WORK
- SEE ARCHITECTURAL DRAWINGS FOR FLOOR ASSEMBLY FIRE RATING AND FIREPROOFING REQUIREMENTS
- EXTERIOR WALL BACK-UP FRAMING SHALL HAVE A VERTICAL SLIP JOINT AT THE FLOOR LINE CAPABLE OF ACCOMMODATING A MINIMUM VERTICAL MOVEMENT OF STEEL MEMBER SHAPN 360. SEE ARCHITECTURAL DETAILS
- ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY ARCHITECT
- ALL FRAMING MEMBERS SHALL BE PROPERLY BRACED BY THE CONTRACTOR UNTIL THE STRUCTURAL DIAPHRAGM HAS BEEN COMPLETELY CONSTRUCTED
- FRAMING NOT SPECIFICALLY DIMENSIONED SHALL BE ASSUMED EQUALLY SPACED
- SEE GENERAL NOTES AND TYPICAL DETAILS SHEETS FOR ADDITIONAL CONSTRUCTION INFO.

**FRAMING PLAN LEGEND:**

- D1 → INDICATES DIRECTION OF SPAN OF FLOOR DECK. FLOOR DECK TO BE 3/4" THICK, CDX EXPOSURE 1, 5 PLY WITH A 4824 APA SPAN RATING. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
- 2x [FT" - IN"] INDICATES T/BM ELEVATION. SEE PLAN NOTE #1
- EOD INDICATES EDGE OF DECK



**1** LEVEL 3 RENOVATION - FRAMING PLAN  
 S113A Scale: 1/8" = 1'-0"

DATE:	DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave  
 Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023

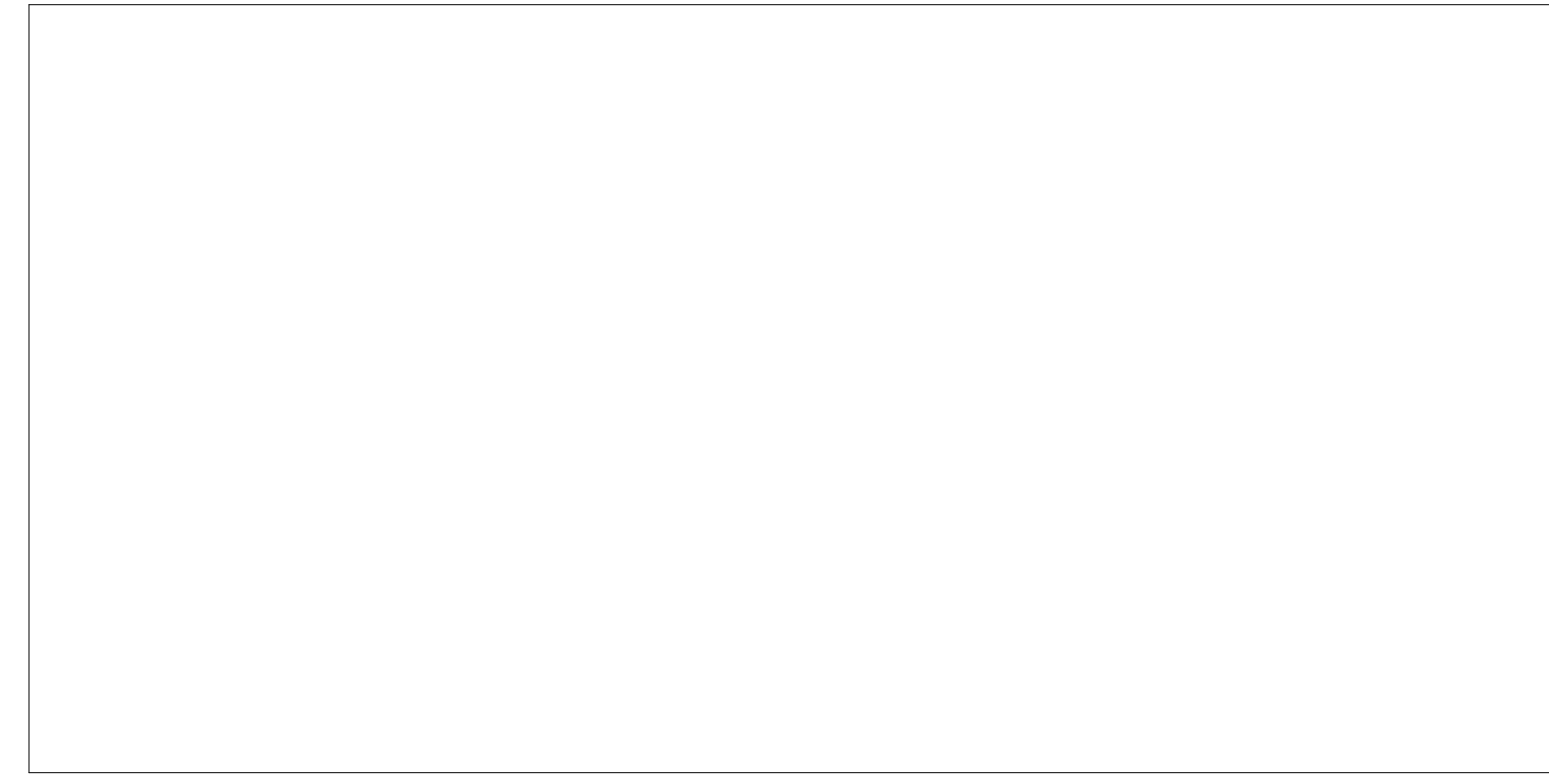
SHEET NAME:  
**FRAMING PLAN - LEVEL 3 RENOVATION**

SHEET NUMBER:  
**S113A**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



APPROVAL STAMP AREA



CLIENT  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

MEP/FP ENGINEER  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.1612

LIGHTING DESIGN  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 610.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

LEED CONSULTANT  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.915.0557  
 www.databasedplus.com

DATE: DESCRIPTION:

**FRANCIS J. MYERS  
 RECREATION CENTER  
 SITE AND BUILDING  
 IMPROVEMENTS**

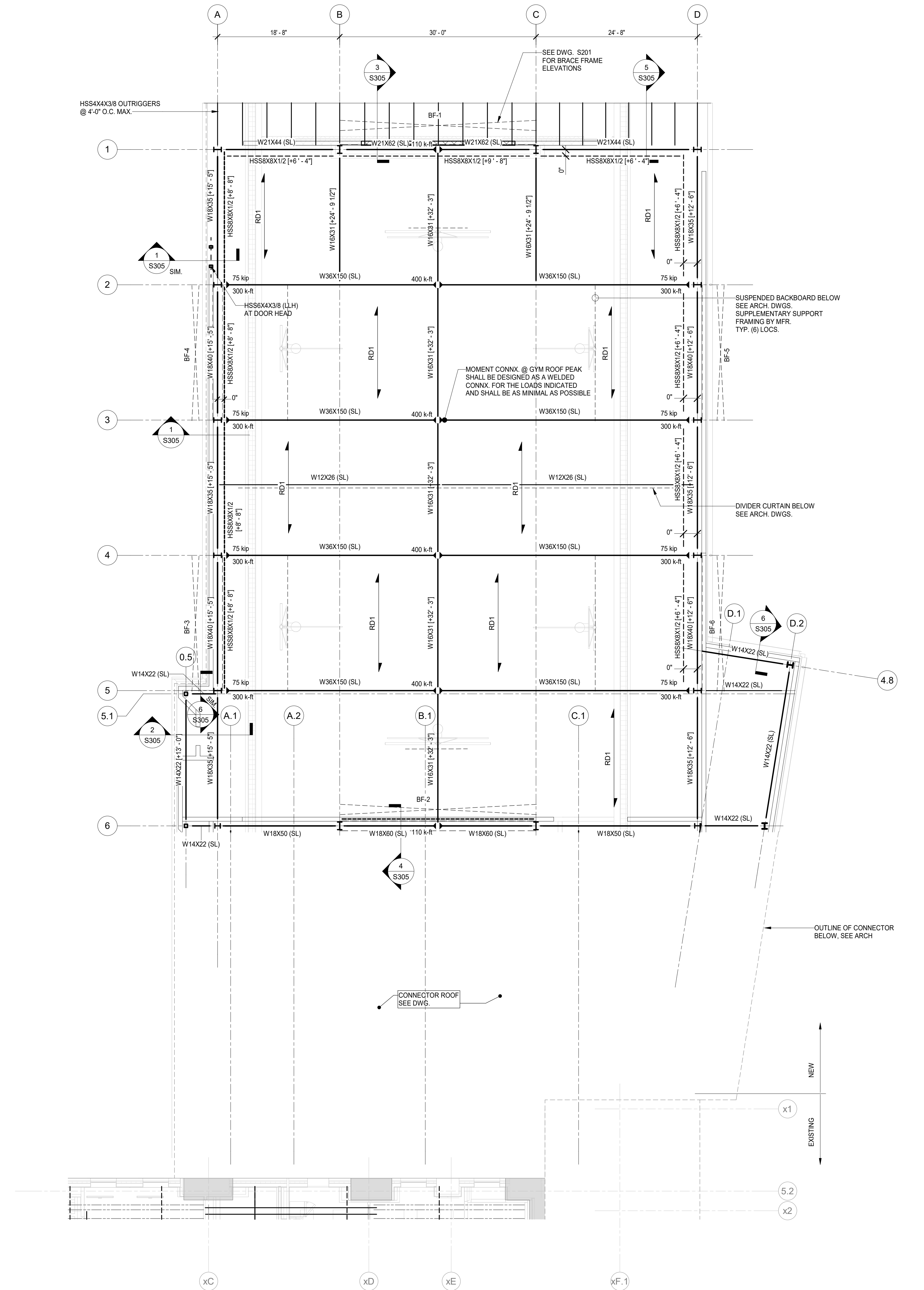
5800 Chester Ave  
 Philadelphia, PA 19143

PROJECT #: 2020  
 SCALE: As indicated  
 FORMAT: 30" X 42"  
 DRAWN: AB  
 CHECKED: JE  
 DATE: 4/7/2023

SHEET NAME:  
**FRAMING PLAN -  
 GYM ROOF  
 ADDITION**

SHEET NUMBER:  
**S113B**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



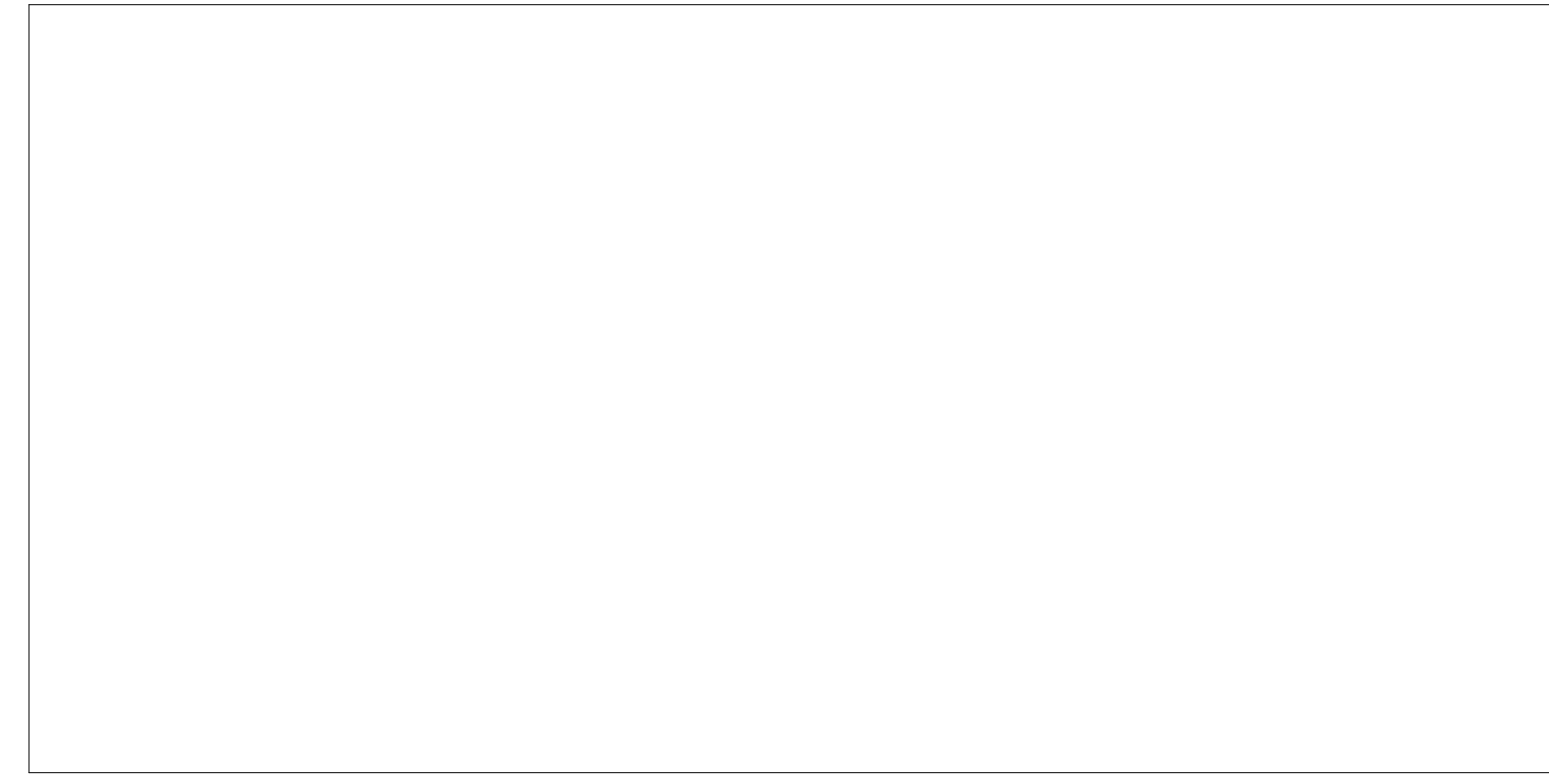
- ROOF FRAMING PLAN NOTES:**
- TOP OF STEEL ELEVATIONS NOTED ON PLAN THUS [FT - IN] ARE RELATIVE TO GROUND FLOOR TOP OF SLAB ELEVATION.
  - STEEL FRAMING SHALL BE EVENLY SPACED IN BAYS (UNO) AT 5'-0" (MAX).
  - CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF WORK.
  - ROOF OPENINGS REQUIRE STEEL BEAMS AS INDICATED ON PLANS, OR TYPICAL ROOF PENETRATION FRAMING ON TYPICAL DETAILS. PERIMETER ROOF EDGE SHALL HAVE CONTINUOUS L4x4x3/8 OR 3/8" BENT PLATE AT TOP FLANGE / CHORD.
  - SEE ARCHITECTURAL DRAWINGS FOR ROOF ASSEMBLY FIRE RATING AND FIREPROOFING REQUIREMENTS.
  - EXTERIOR WALL BACK-UP FRAMING SHALL HAVE A VERTICAL SLIP JOINT AT THE FLOOR LINE CAPABLE OF ACCOMMODATING A MINIMUM VERTICAL MOVEMENT OF STEEL MEMBER SHAPN/360. SEE ARCHITECTURAL DETAILS.
  - ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY ARCHITECT.
  - ALL FRAMING MEMBERS SHALL BE PROPERLY BRACED BY THE CONTRACTOR UNTIL THE STRUCTURAL DIAPHRAGM HAS BEEN COMPLETELY CONSTRUCTED.
  - COORDINATE FINAL BEAM LOCATIONS AT STAIR SLAB OPENING WITH STAIR MANUFACTURER.
  - FRAMING NOT SPECIFICALLY DIMENSIONED SHALL BE ASSUMED EQUALLY SPACED.
  - SEE GENERAL NOTES AND TYPICAL DETAILS SHEETS FOR ADDITIONAL CONSTRUCTION INFO.

- ROOF FRAMING PLAN LEGEND:**
- INDICATES DIRECTION OF SPAN OF ROOF DECK. ROOF DECK TO BE 1 1/2" TYPE B (20 GA MIN) DECK INSTALLED IN 3 SPAN CONDITION W/364 5/8" DIAMETER WELD PATTERN AND (2) WELDED SIDE LAP CONNECTIONS PER SPAN, SEE GENERAL NOTES.
  - INDICATES DIRECTION OF SPAN OF LONGSPAN ROOF DECK. ROOF DECK TO BE TORIS 5.5A ACOUSTIC ROOF DECK CEILING SYSTEM (18 GA MIN) INSTALLED IN 3 SPAN CONDITION W/3/4" DIAMETER RIDGLE WELDS AT 6" O.C. MAX WITH 3" MIN. END BEARING. SIDE LAP CONNECTIONS SHALL BE SPACED AT 36" O.C. MAX.
  - INDICATES MOMENT CONNECTION.
  - Wx [FT - IN] INDICATES T1 STEEL ELEVATION SEE PLAN NOTE #1.
  - EOD INDICATES EDGE OF DECK.
  - BF-X DENOTES BRACED FRAME TYPE.

**1 GYM ROOF ADDITION - FRAMING PLAN**  
 S113B Scale: 1/8" = 1'-0"



APPROVAL STAMP AREA



**DIGSAU**

**CLIENT**  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

**MEP/FP ENGINEER**  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.1612

**LIGHTING DESIGN**  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

**COST ESTIMATING**  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 810.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

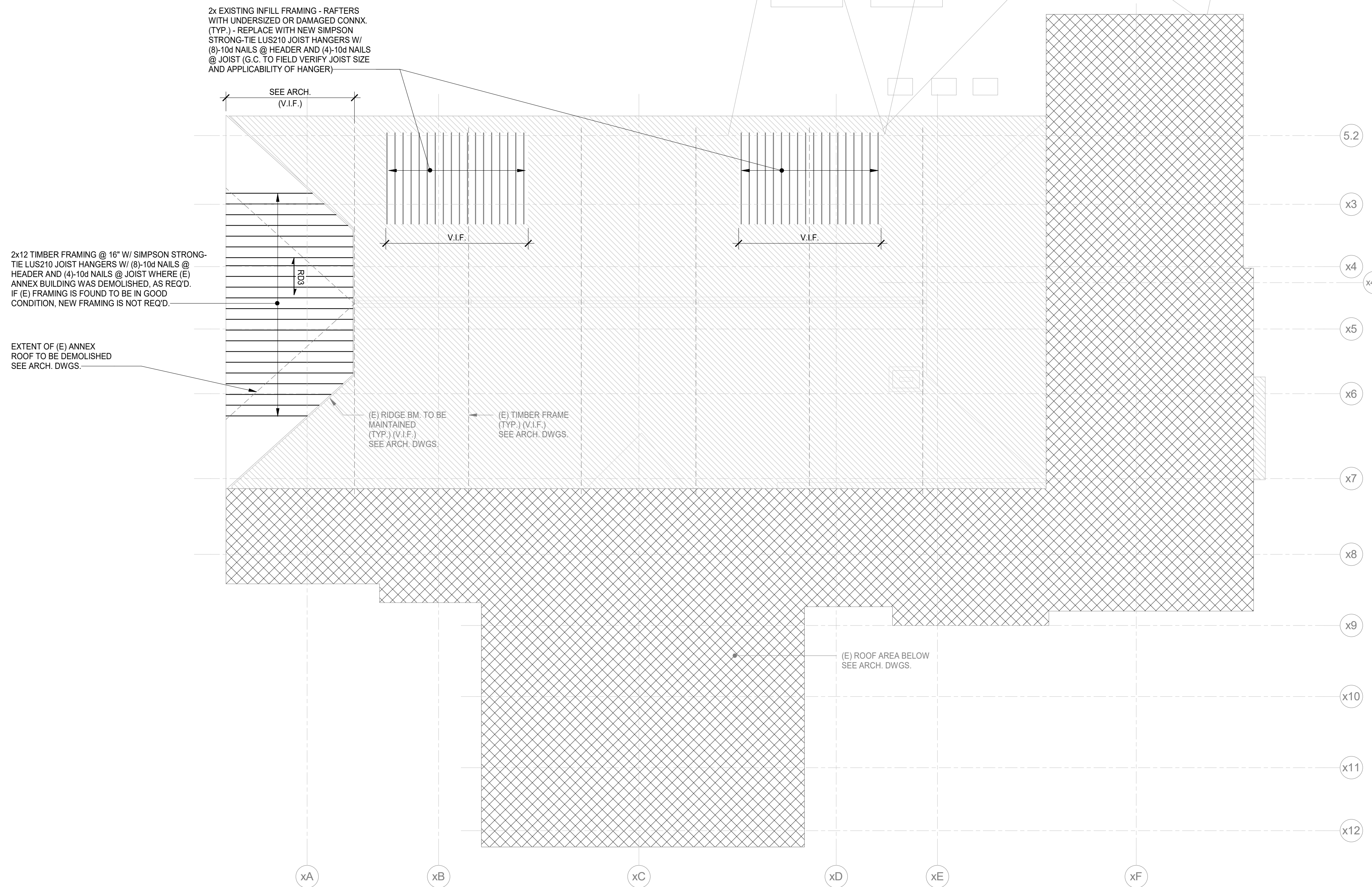
**LEED CONSULTANT**  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.915.0557  
 www.databasedplus.com

**ROOF FRAMING PLAN NOTES:**

- TOP OF TIMBER BEAM ELEVATIONS NOTED ON PLAN THUS [H'-FT" - IN"] ARE RELATIVE TO GROUND FLOOR TOP OF SLAB ELEVATION.
- STEEL FRAMING SHALL BE EVENLY SPACED IN BAYS (UNO) AS INDICATED ON PLAN.
- CONTRACTOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF WORK.
- SEE ARCHITECTURAL DRAWINGS FOR ROOF ASSEMBLY FIRE RATING AND FIREPROOFING REQUIREMENTS.
- EXTERIOR WALL BACK-UP FRAMING SHALL HAVE A VERTICAL SLIP JOINT AT THE FLOOR LINE CAPABLE OF ACCOMMODATING A MINIMUM VERTICAL MOVEMENT OF STEEL MEMBER SHAPN 380. SEE ARCHITECTURAL DETAILS.
- ALL EXISTING CONDITIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF ANY WORK. IF EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DETAILS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH THE PROPOSED MODIFICATION FOR REVIEW BY ARCHITECT.
- ALL FRAMING MEMBERS SHALL BE PROPERLY BRACED BY THE CONTRACTOR UNTIL THE STRUCTURAL DIAPHRAGM HAS BEEN COMPLETELY CONSTRUCTED.
- FRAMING NOT SPECIFICALLY DIMENSIONED SHALL BE ASSUMED EQUALLY SPACED.
- SEE GENERAL NOTES AND TYPICAL DETAILS SHEETS FOR ADDITIONAL CONSTRUCTION INFO.

**ROOF FRAMING PLAN LEGEND:**

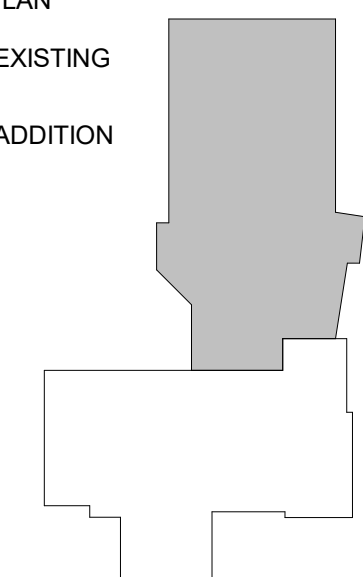
- RD3** INDICATES DIRECTION OF SPAN OF ROOF DECK. ROOF DECK TO BE 1/2" THICK, CDX EXPOSURE I, 5 PLY WITH A 32/16 APA SPAN RATING. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
- 2x [H'-FT" - IN"]** INDICATES T/BM ELEVATION. SEE PLAN NOTE #1.
- EOD** INDICATES EDGE OF DECK.



Revit version 2022.1 | C:\Users\alabone\Documents\2020209 Francis Myers Rec Center - Structural Model\_R02\_ribbonA5D\M01.rvt  
 2020 Francis J Myers Title Block version 2022.09.14 | Printed: 4/20/2023 2:08:01 PM

**1** ROOF RENOVATION - FRAMING PLAN  
 S114 Scale: 1/8" = 1'-0"

**KEY PLAN**  
 [White Box] EXISTING  
 [Grey Box] ADDITION



DATE:	DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave  
 Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023

**SHEET NAME:**  
**FRAMING PLAN - ROOF RENOVATION**

**SHEET NUMBER:**  
**S114**

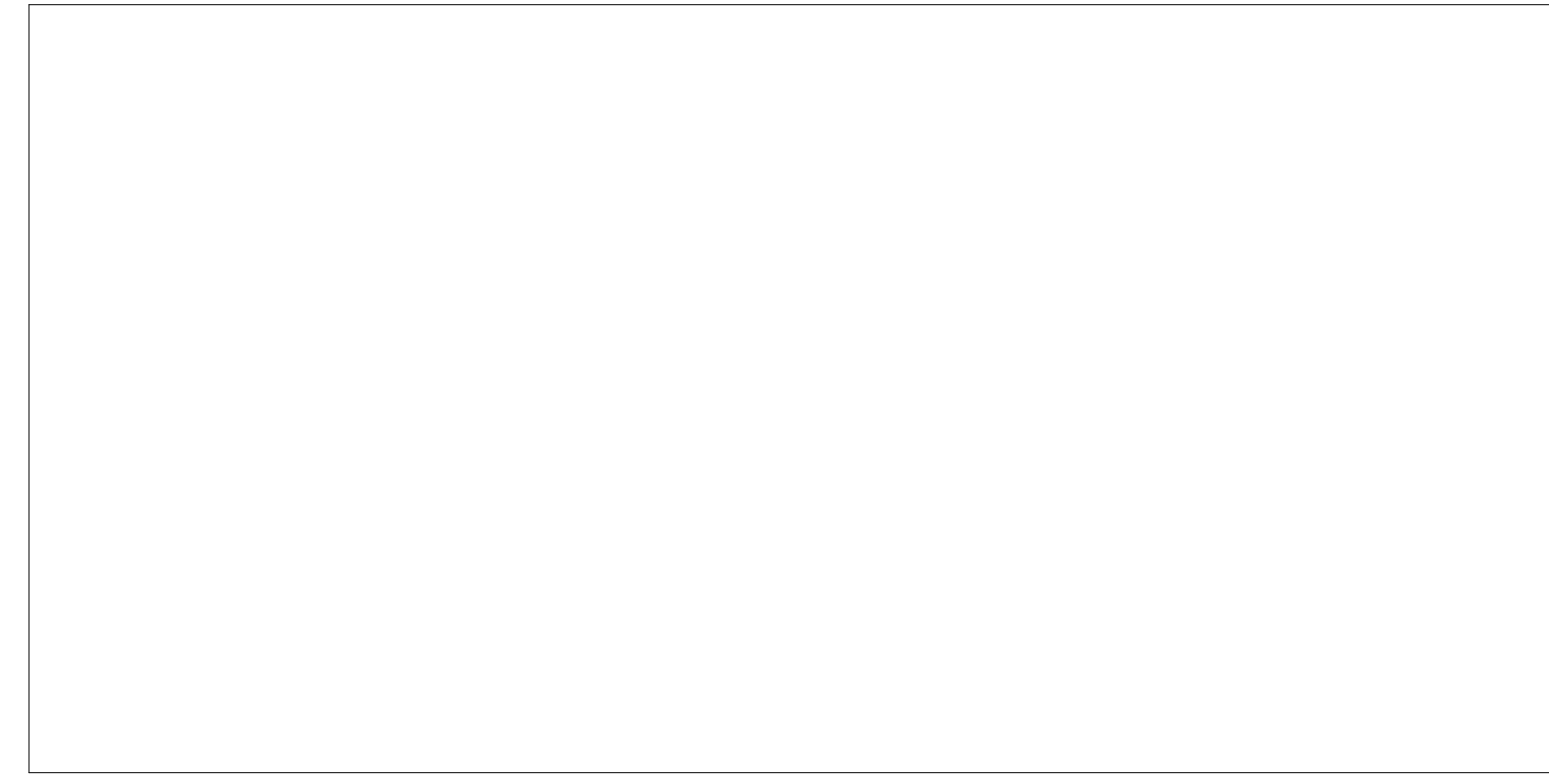
**PROJECT PHASE:**  
**CONSTRUCTION DOCUMENTS**







APPROVAL STAMP AREA



# DIGSAU

**CLIENT**  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

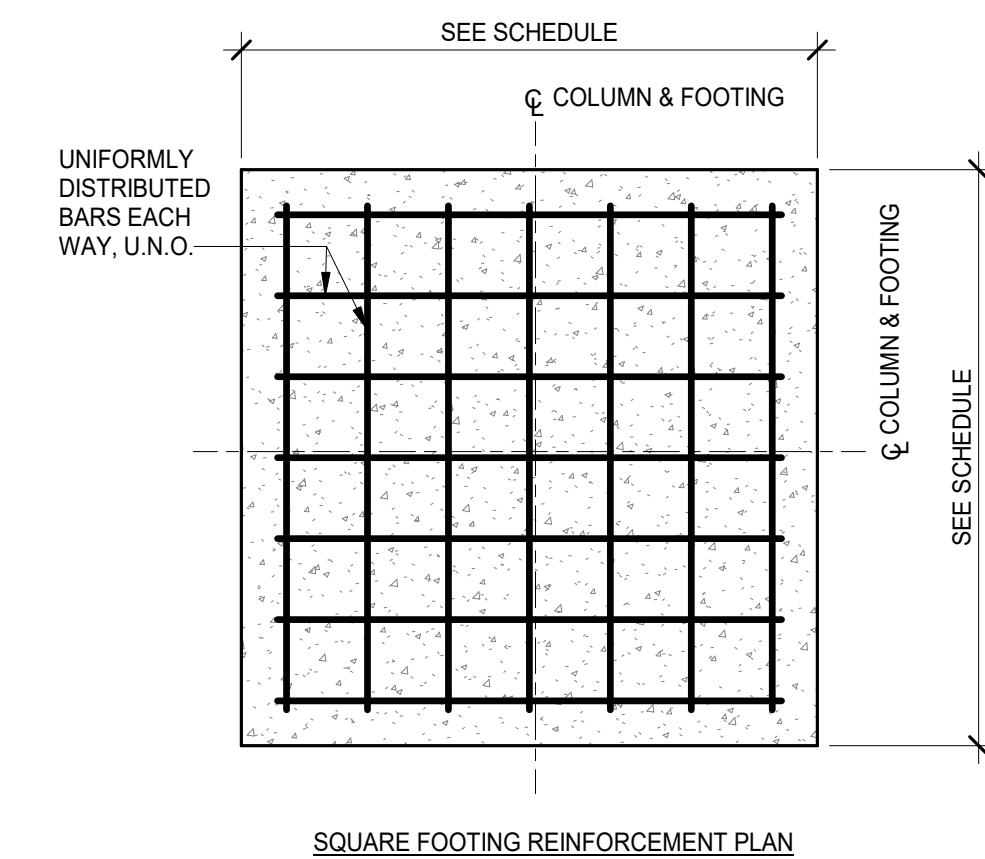
**MEP/FP ENGINEER**  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.1612

**LIGHTING DESIGN**  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

**COST ESTIMATING**  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 610.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

**LEED CONSULTANT**  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.915.0557  
 www.databasedplus.com

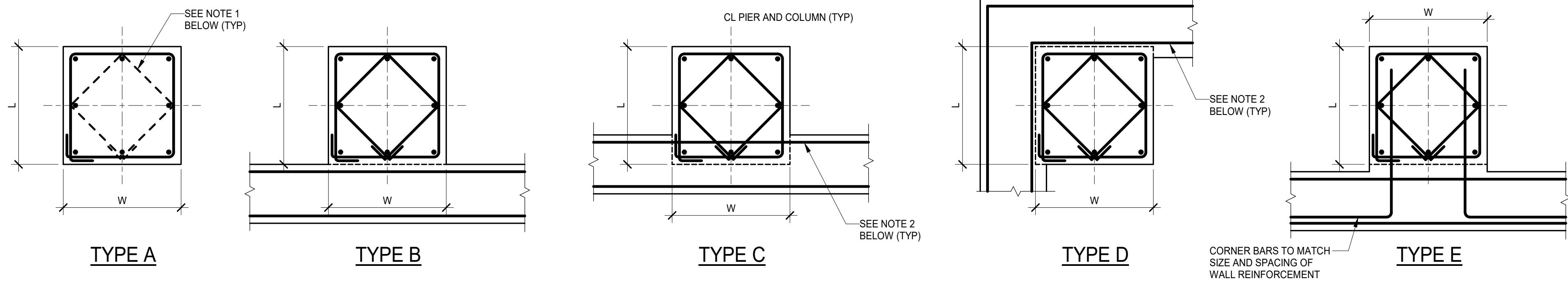


FOOTING SCHEDULE					
f <sub>c</sub> = SEE GENERAL NOTES					
F <sub>y</sub> = SEE GENERAL NOTES					
NET ALLOWABLE SOIL BEARING = SEE GENERAL NOTES					
MARK	SIZE		THICKNESS	REINFORCEMENT	
	LONG WAY	SHORT WAY			
F4	4'-0"	4'-0"	1'-6"	8 - #5, E.W. (BOTT.)	
F5	5'-0"	5'-0"	1'-6"	9 - #5, E.W. (BOTT.)	
F8	8'-0"	8'-0"	1'-6"	8 - #7, E.W. (TOP & BOTT.)	
F10	10'-0"	10'-0"	2'-0"	10 - #7, E.W. (TOP & BOTT.)	

2 SPREAD FOOTING (SQUARE) DETAIL AND SCHEDULE  
 Scale: N/A

PIER SCHEDULE					
f <sub>c</sub> = SEE GENERAL NOTES					
F <sub>y</sub> = SEE GENERAL NOTES					
MARK	L	W	VERT REINF	TIE REINF	REMARKS
P1	2'-0"	2'-0"	8 - #6	#3 @ 10"	GROUP 4 TIES @ 3", TOP
P2	2'-0"	2'-6"	10 - #6	#3 @ 10"	GROUP 4 TIES @ 3", TOP
P3	1'-6"	1'-6"	4 - #6	#3 @ 10"	GROUP 4 TIES @ 3", TOP

- NOTES:  
 1. DETAILER SHALL CONFIGURE TIES PER LATEST ACI CRITERIA AND COORDINATE TIE LAYOUT SO AS NOT TO CONFLICT WITH ANCHOR ROD LAYOUT.  
 2. HORIZONTAL AND VERTICAL FDN. WALL REINFORCEMENT SHALL BE CONTINUOUS THROUGH PIER.  
 3. ALL CONCRETE WALL PIERS SHALL BE POURED MONOLITHIC WITH CONCRETE WALLS.



1 PIER SCHEDULE AND DIAGRAMS  
 Scale: N/A

DATE:	DESCRIPTION:
-------	--------------

## FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave  
 Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	N/A
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023

### SHEET NAME: CONCRETE SCHEDULES

SHEET NUMBER:

# S202

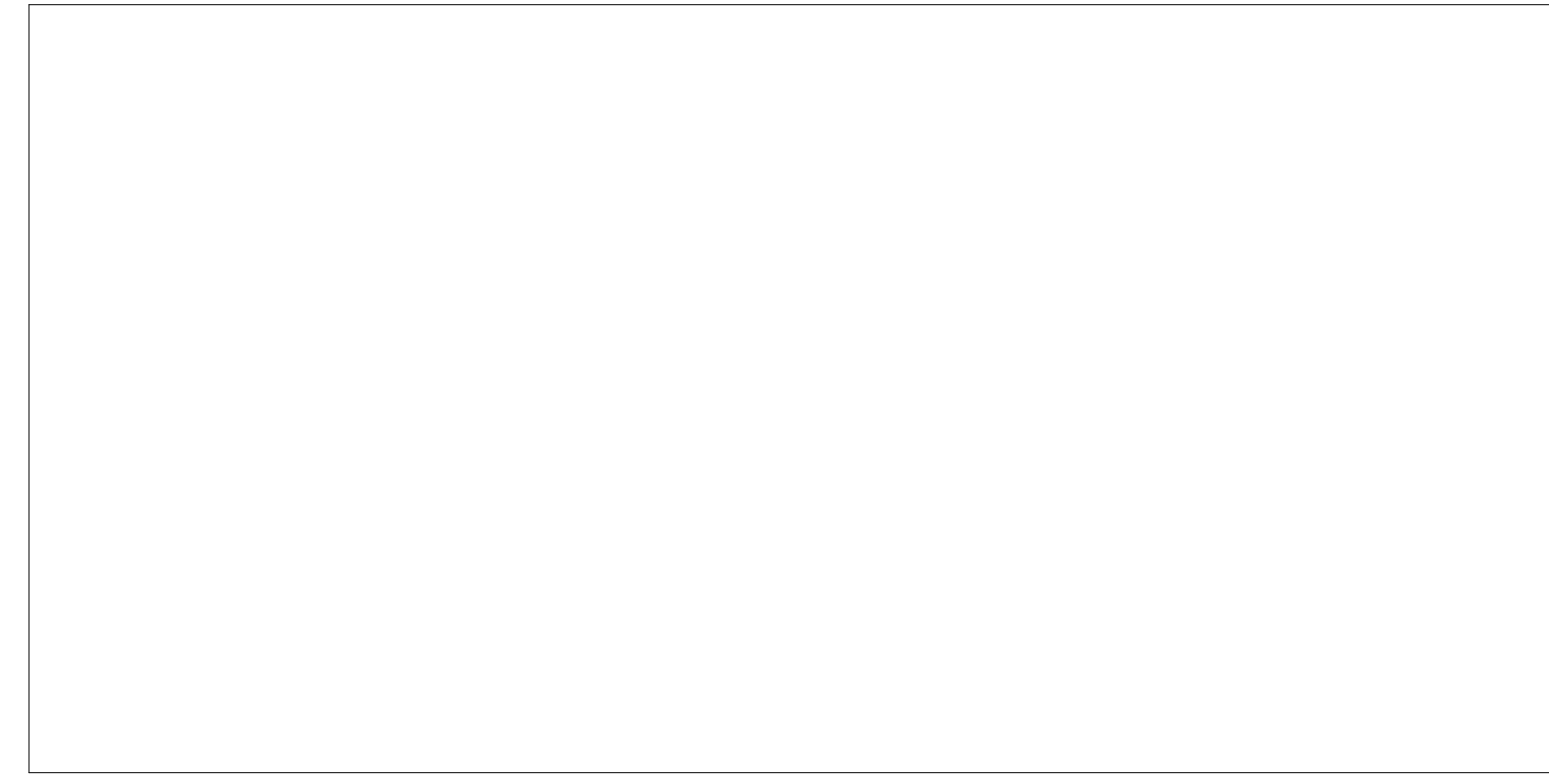
PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**







APPROVAL STAMP AREA



**CLIENT**  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

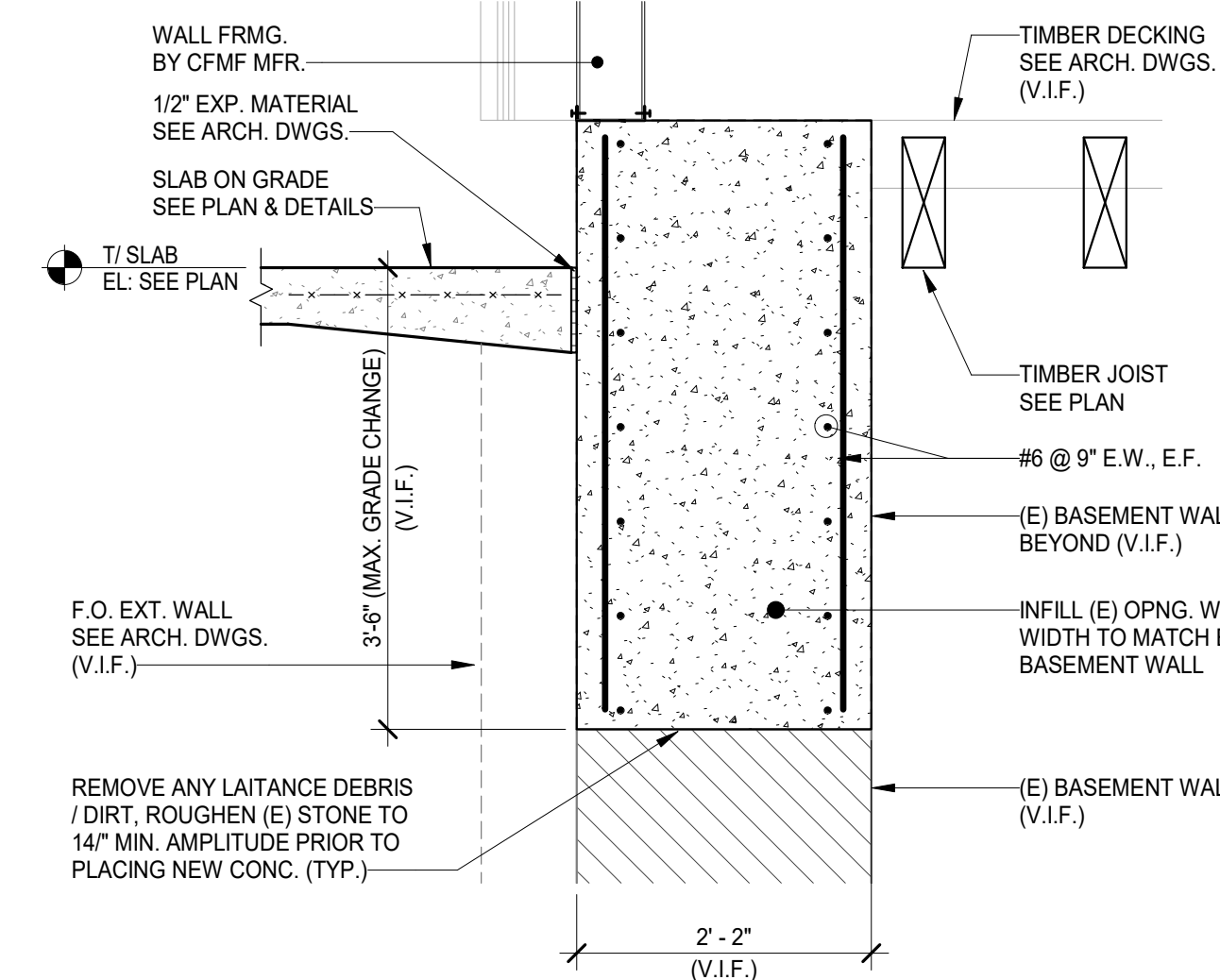
**MEP/FP ENGINEER**  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.1612

**LIGHTING DESIGN**  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

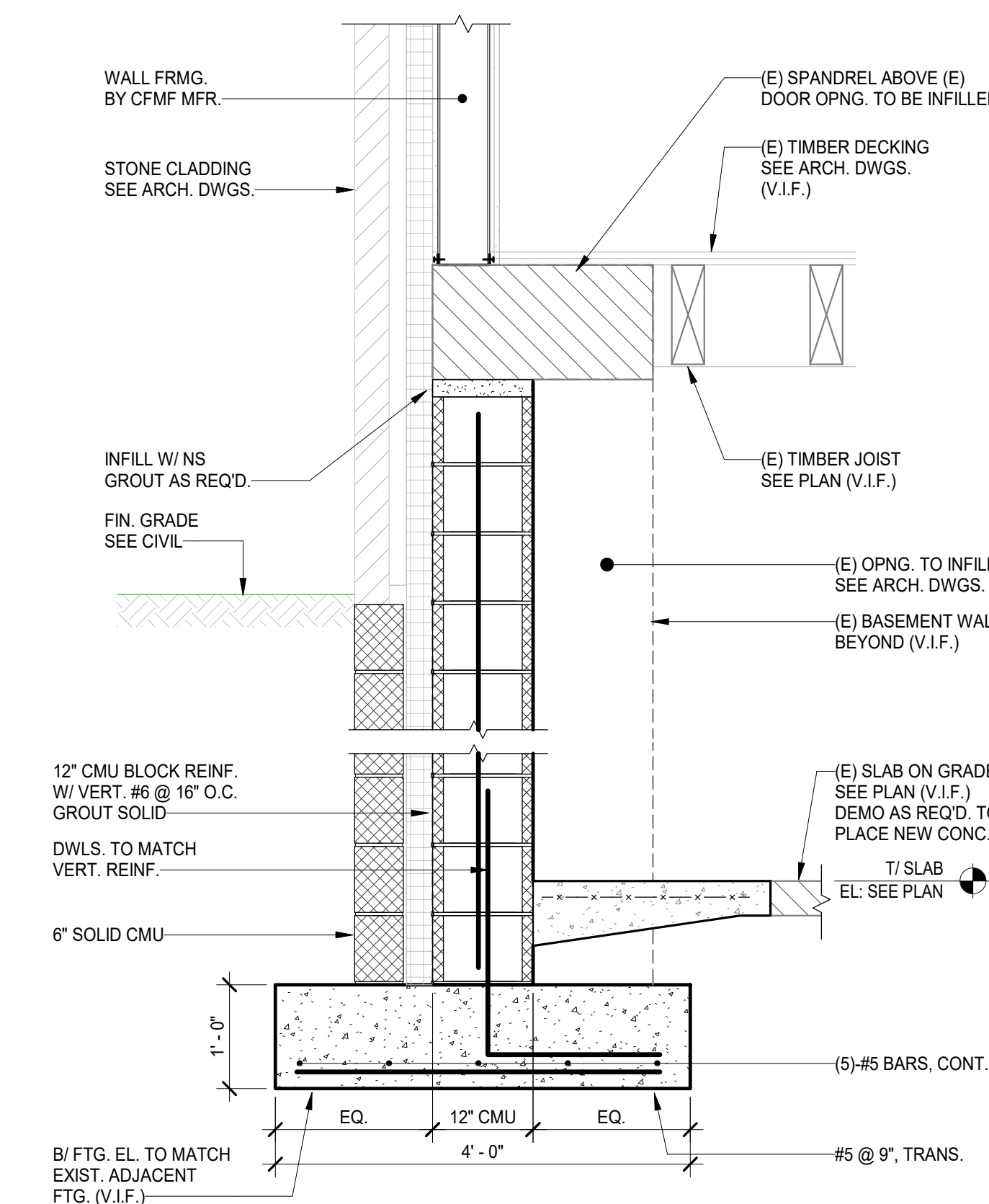
**COST ESTIMATING**  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 810.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

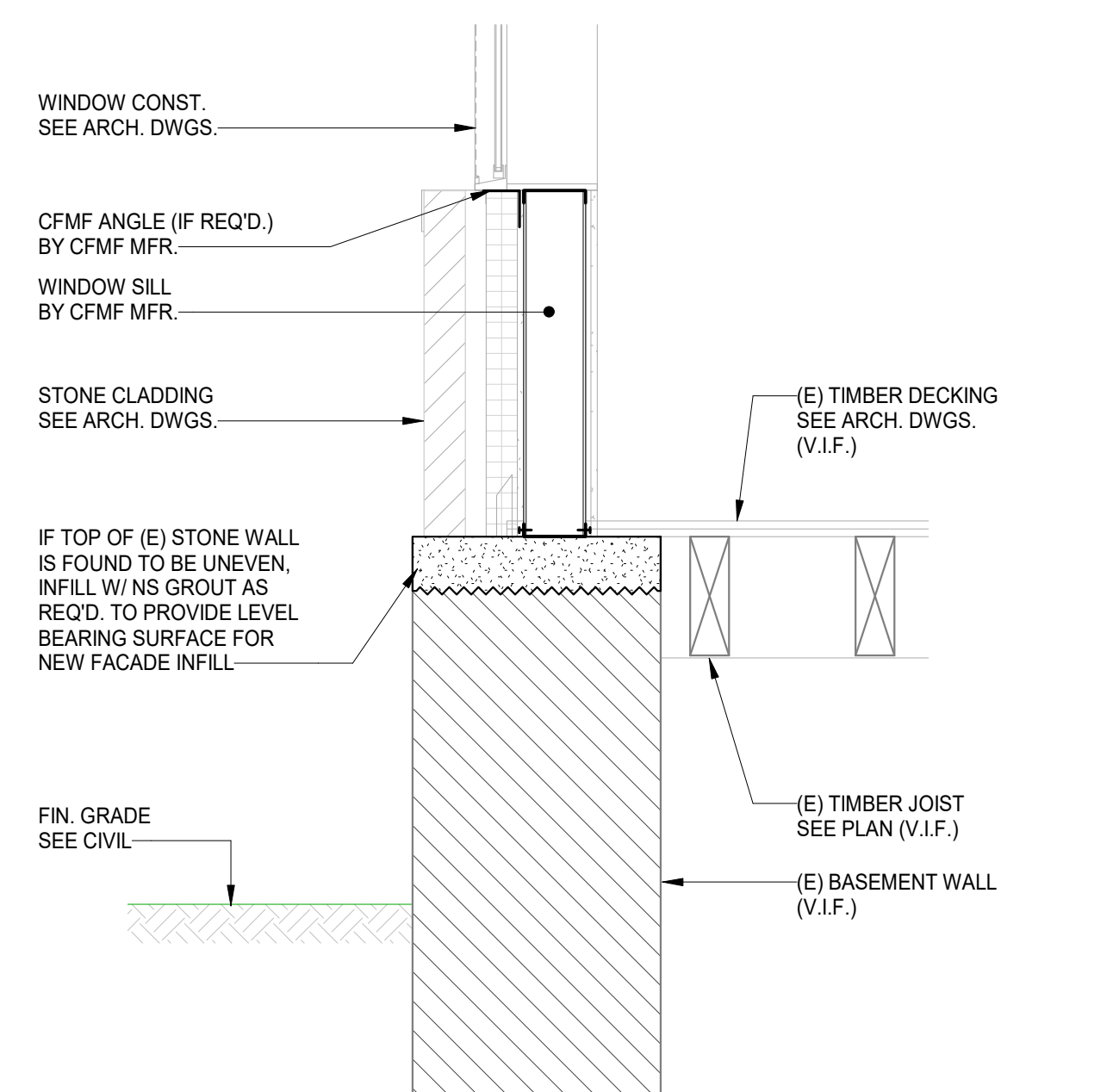
**LEED CONSULTANT**  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.915.0557  
 www.databasedplus.com



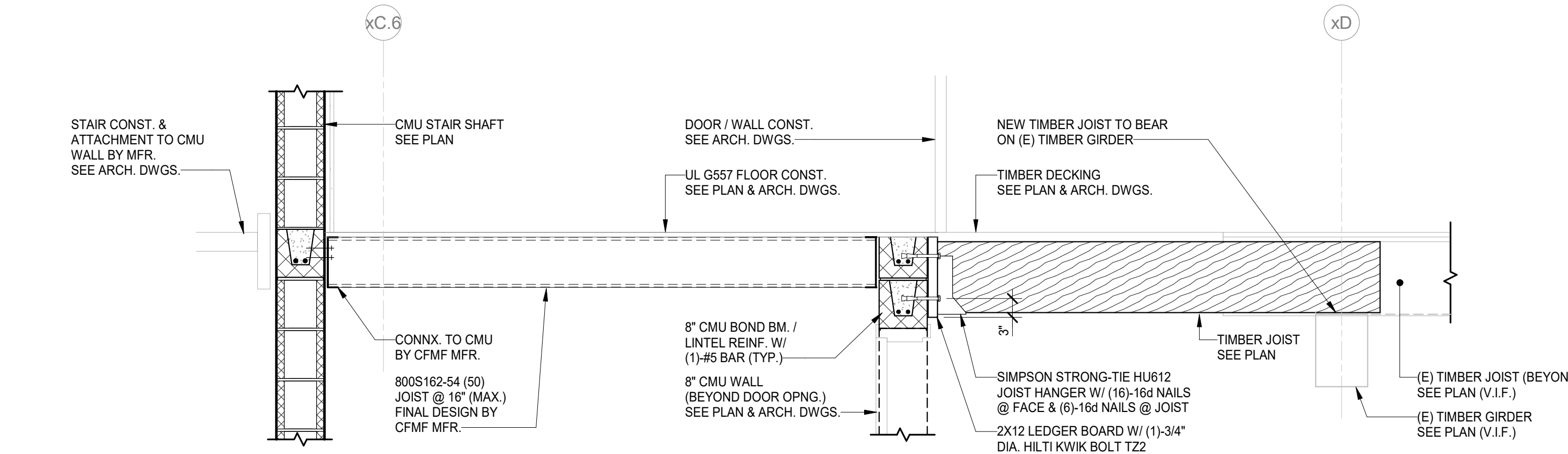
**6 SECTION**  
 S301 Scale: 3/4" = 1'-0"



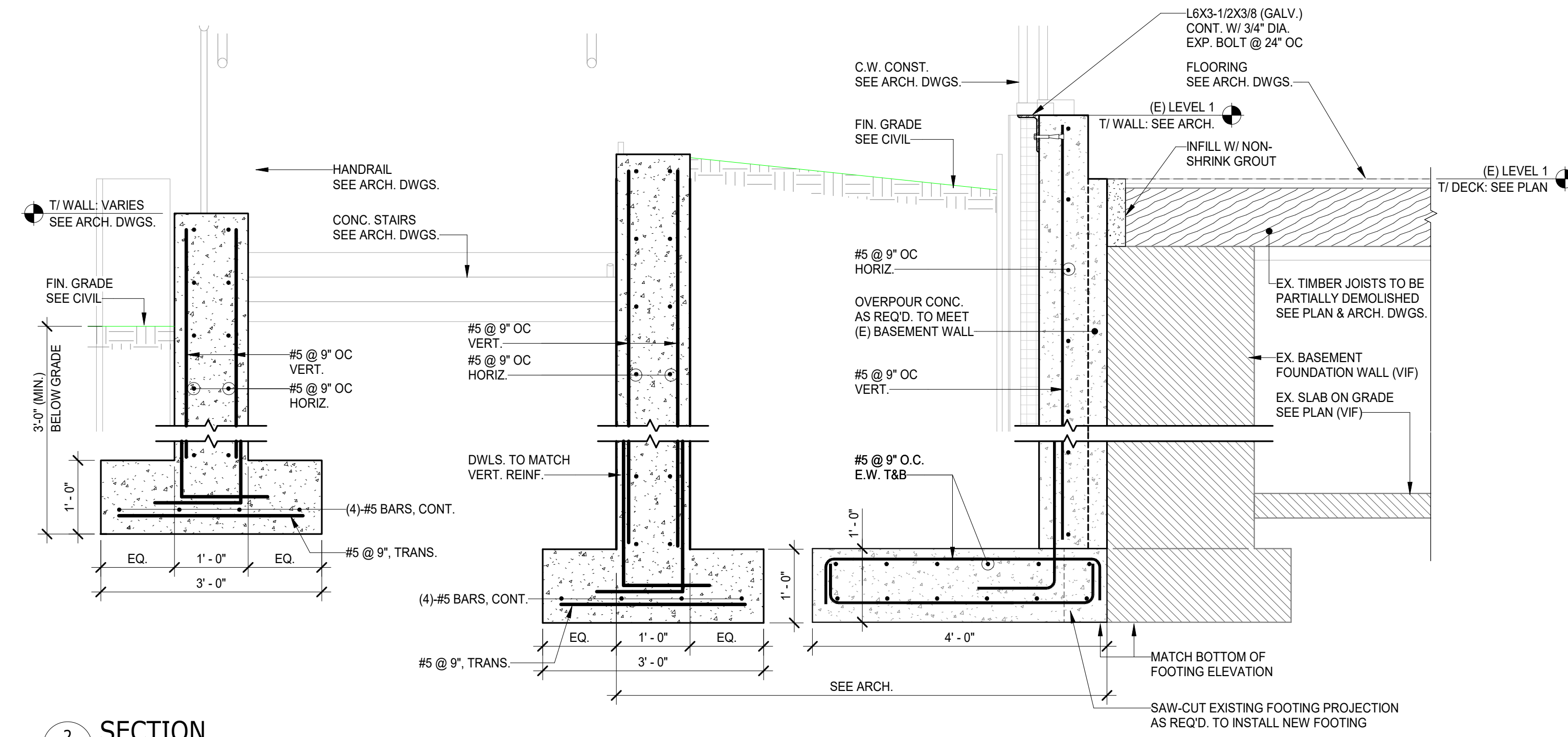
**5 SECTION**  
 S301 Scale: 3/4" = 1'-0"



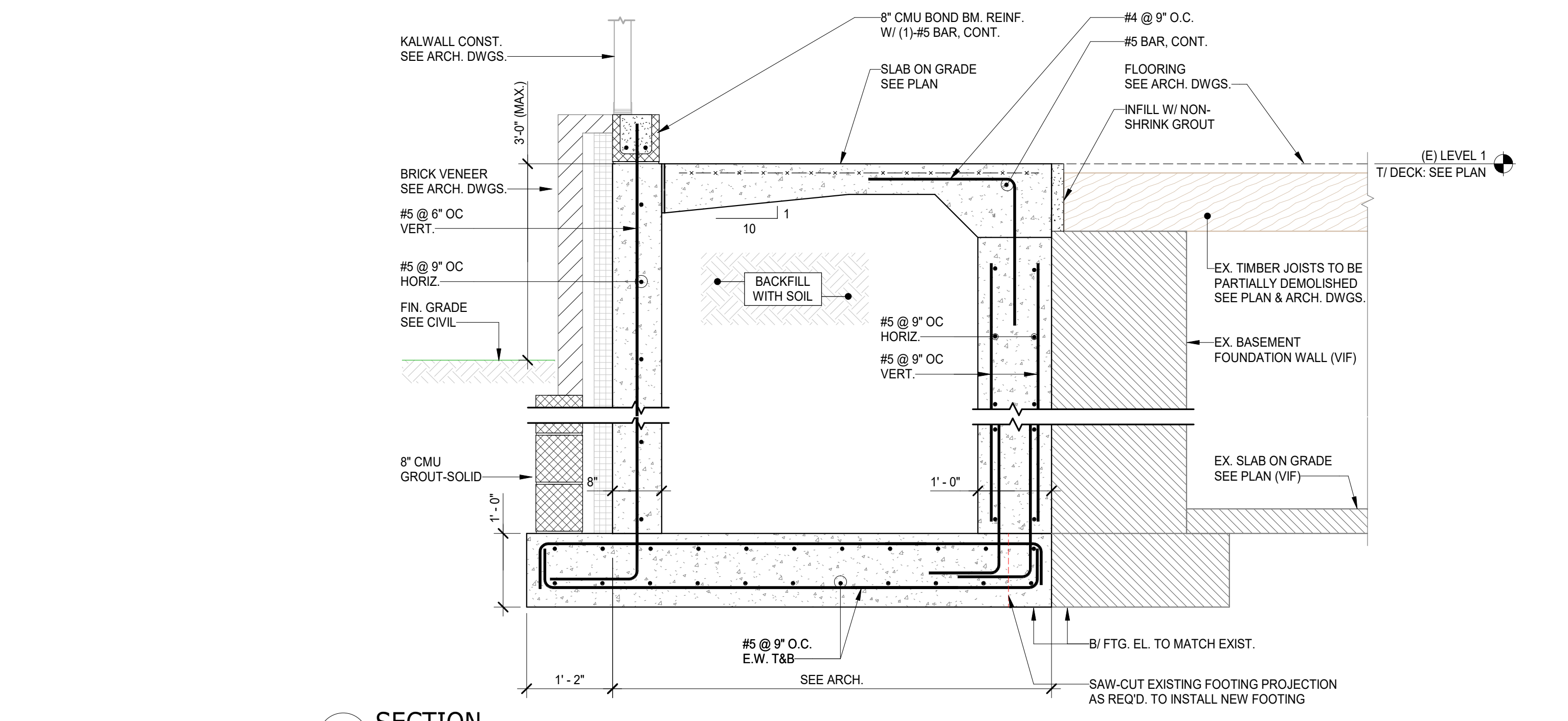
**4 SECTION**  
 S301 Scale: 3/4" = 1'-0"



**3 SECTION**  
 S301 Scale: 3/4" = 1'-0"



**2 SECTION**  
 S301 Scale: 3/4" = 1'-0"



**1 SECTION**  
 S301 Scale: 3/4" = 1'-0"

DATE:	DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**  
 5800 Chester Ave  
 Philadelphia, PA 19143

PROJECT #: 2020  
 SCALE: 3/4" = 1'-0"  
 FORMAT: 30" X 42"  
 DRAWN: AB  
 CHECKED: JE  
 DATE: 4/7/2023

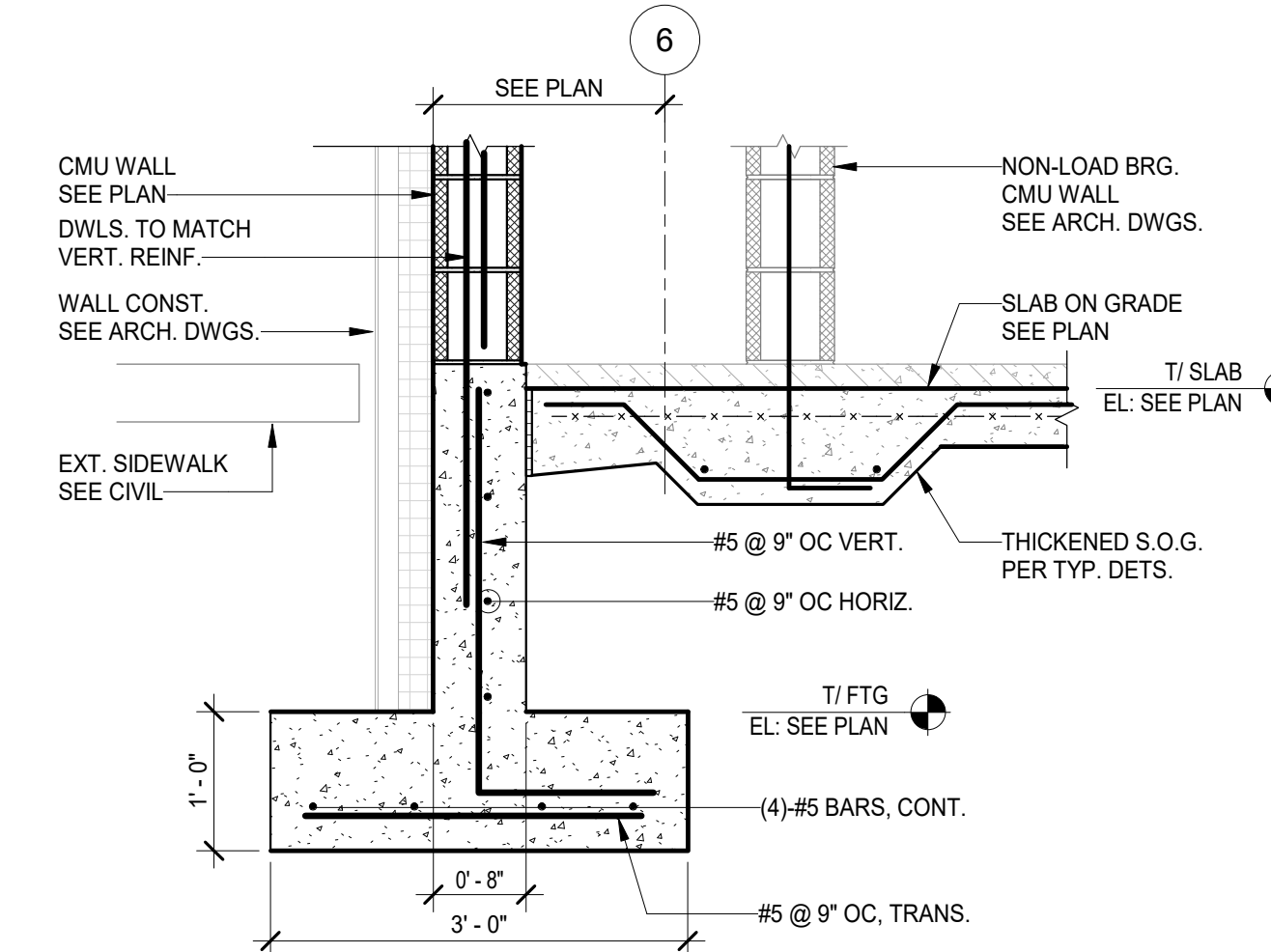
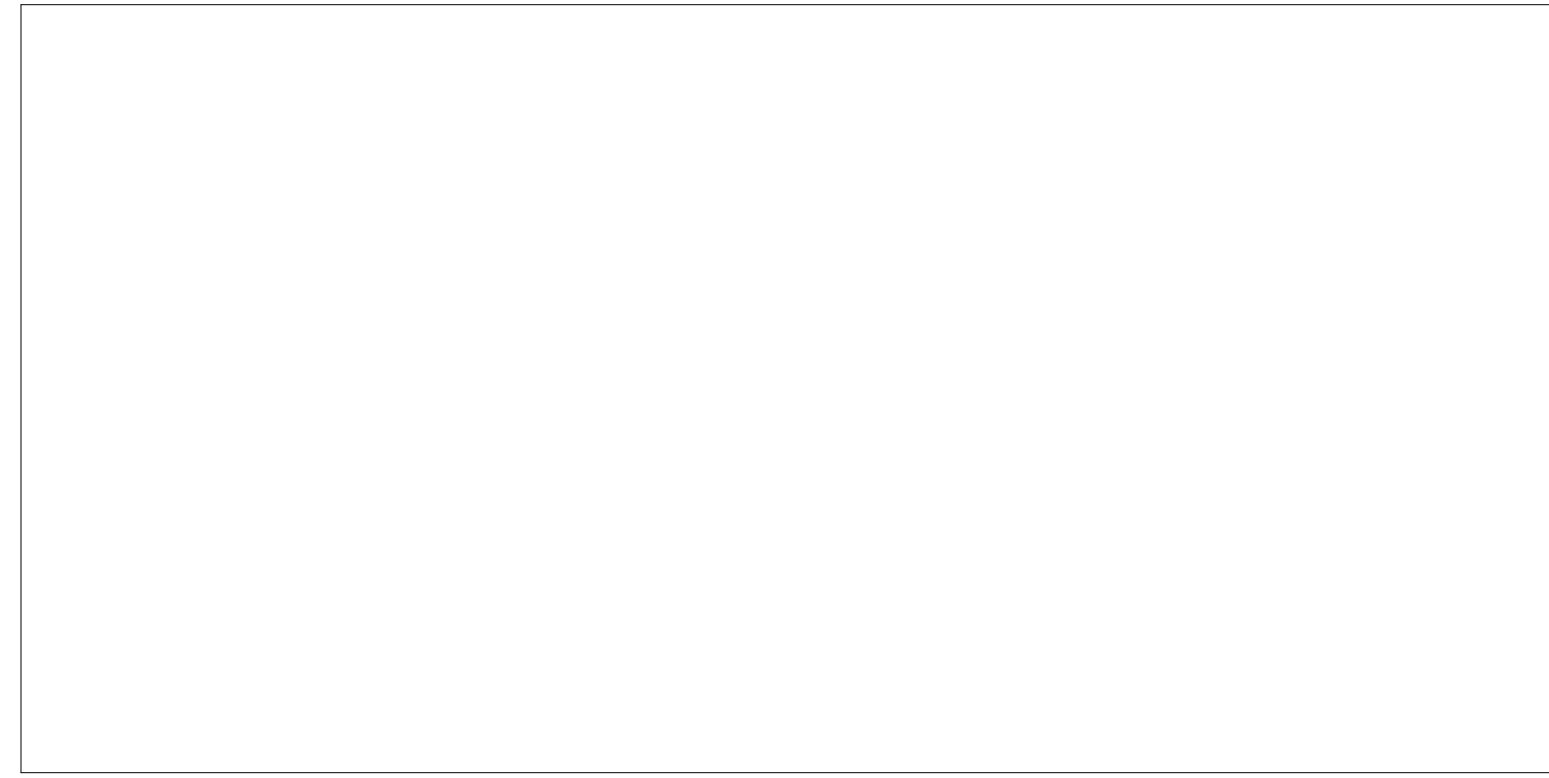
SHEET NAME:  
**SECTIONS - LEVEL 1 RENOVATION**

SHEET NUMBER:  
**S301**

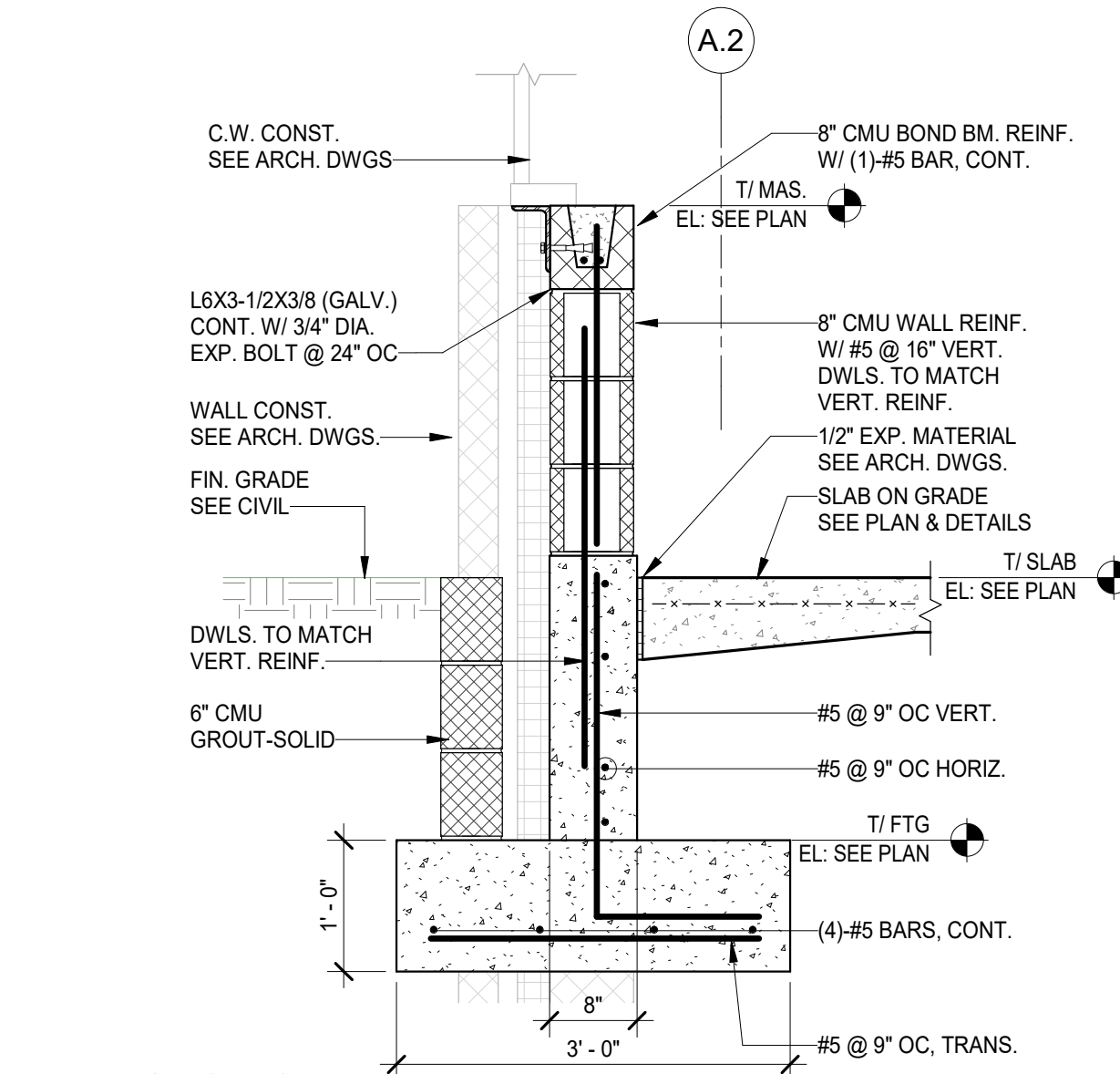
PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



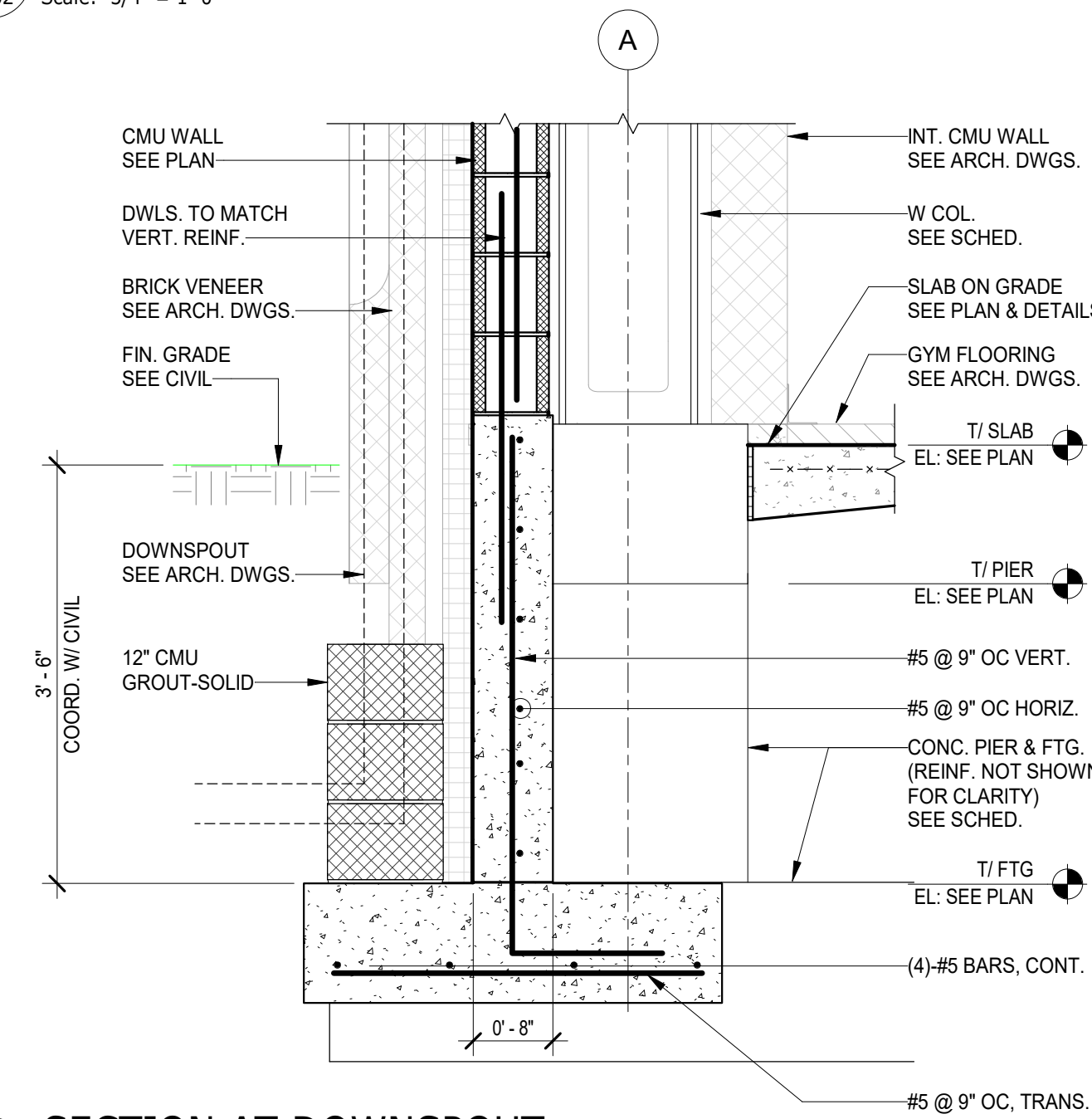
APPROVAL STAMP AREA



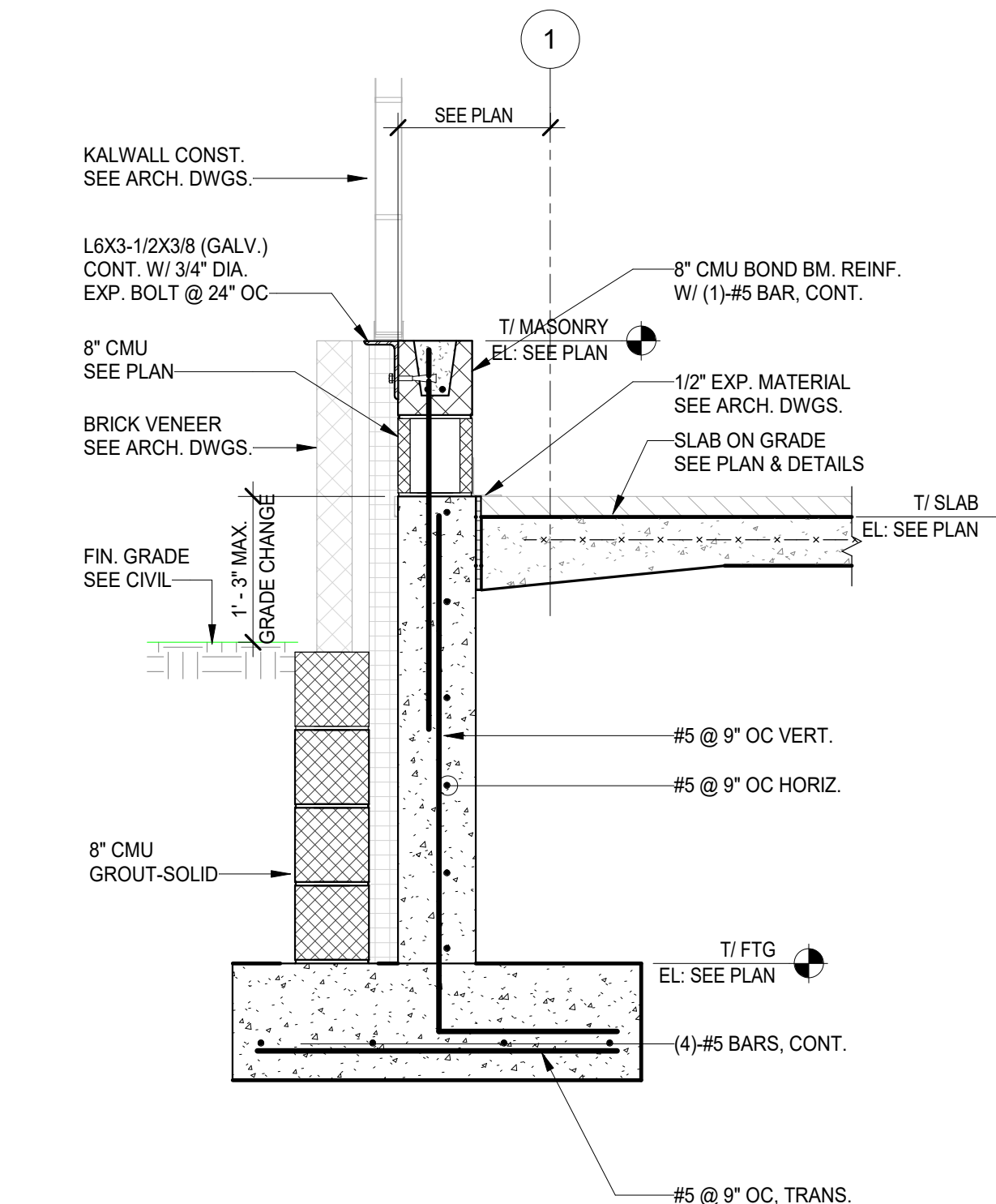
SECTION 6  
S302 Scale: 3/4" = 1'-0"



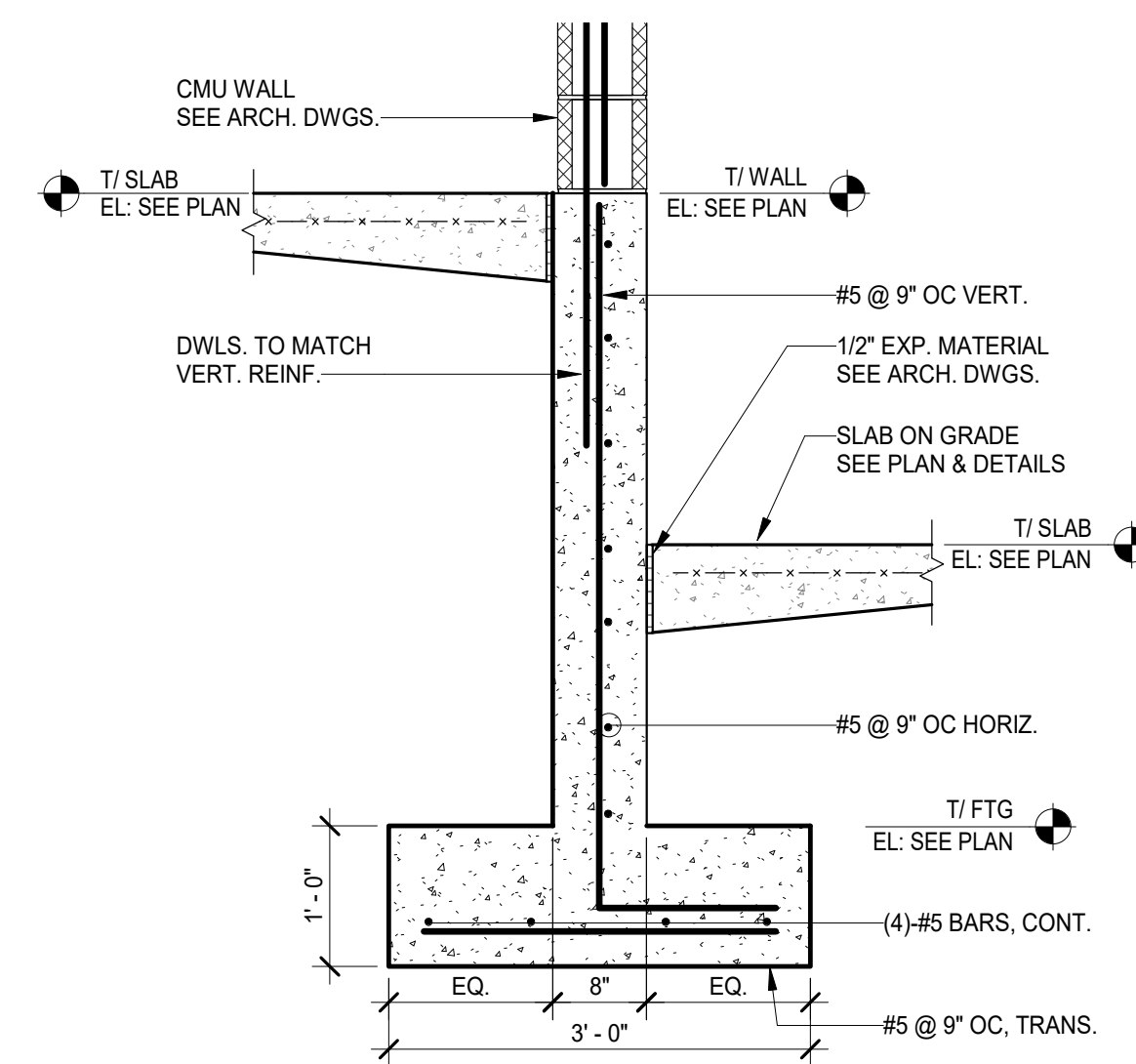
SECTION 3  
S302 Scale: 3/4" = 1'-0"



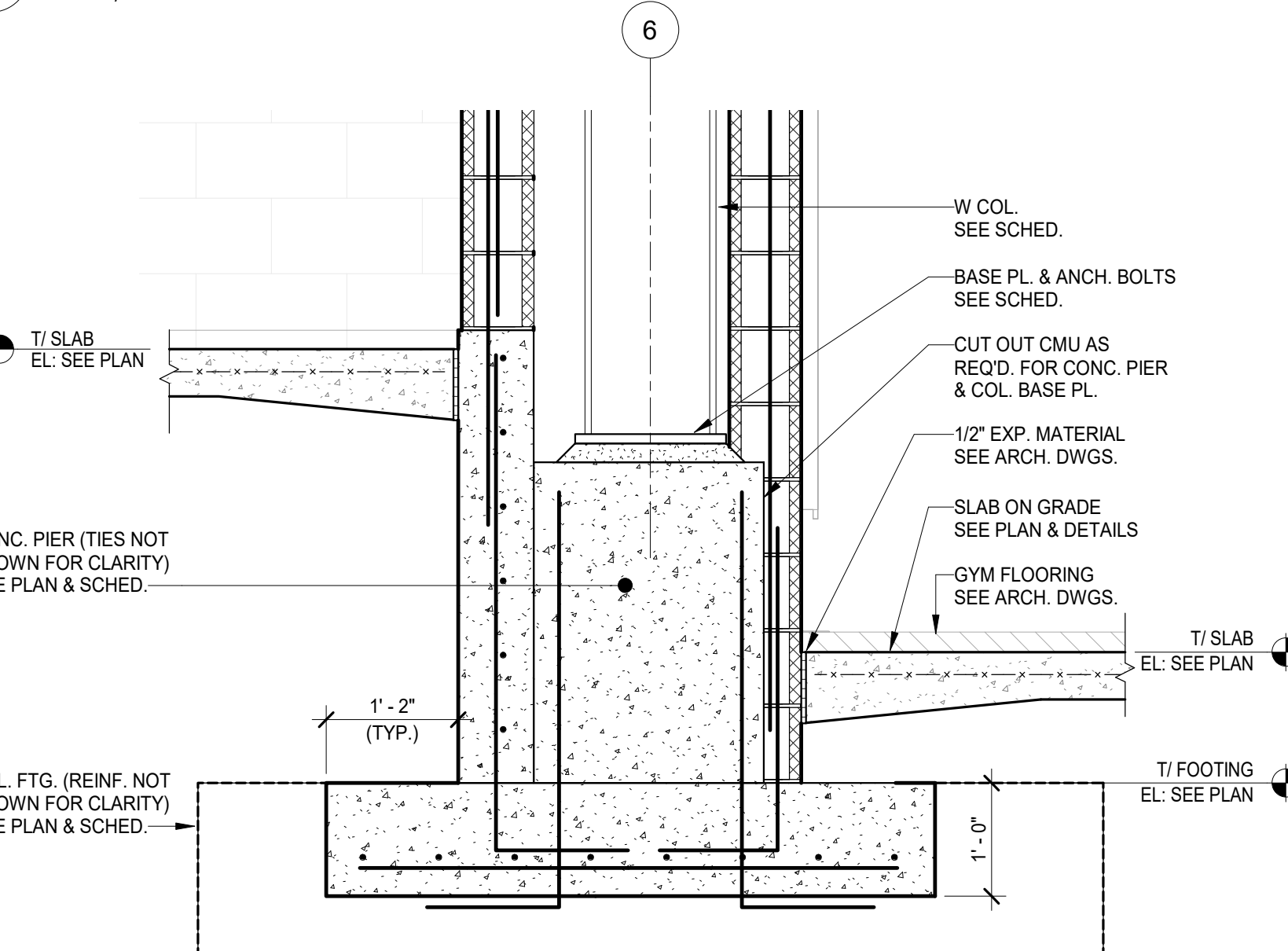
SECTION 7  
S302 Scale: 3/4" = 1'-0"



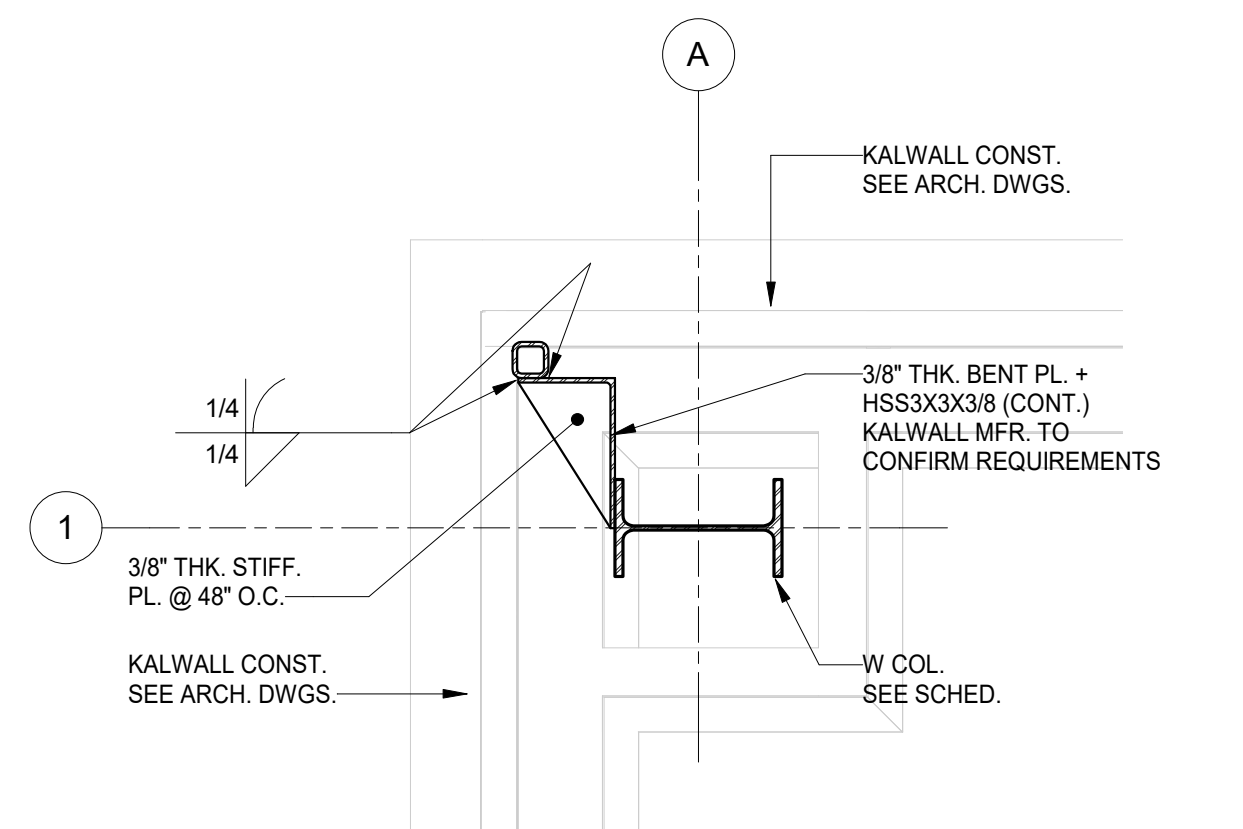
SECTION 2  
S302 Scale: 3/4" = 1'-0"



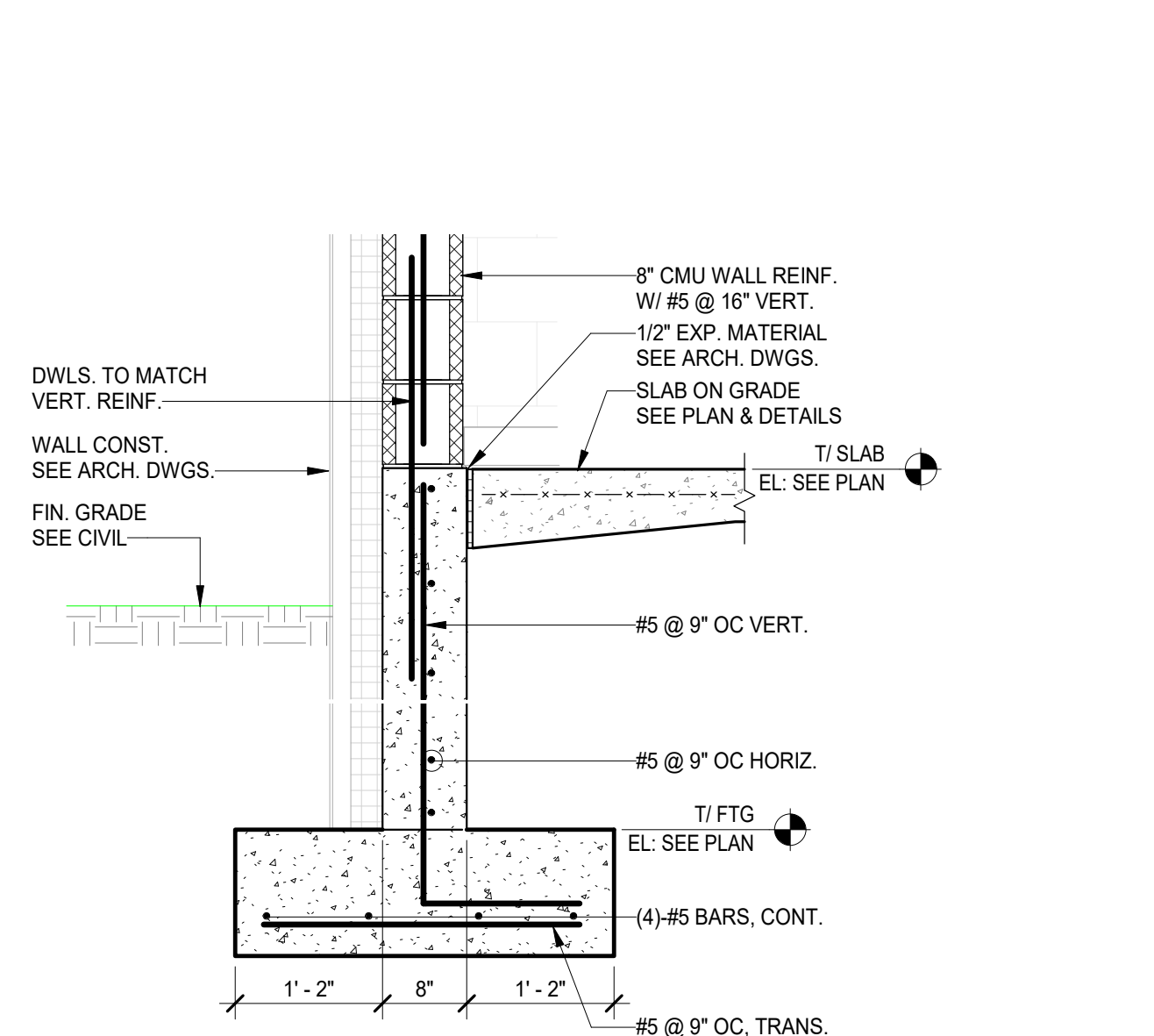
SECTION 10  
S302 Scale: 3/4" = 1'-0"



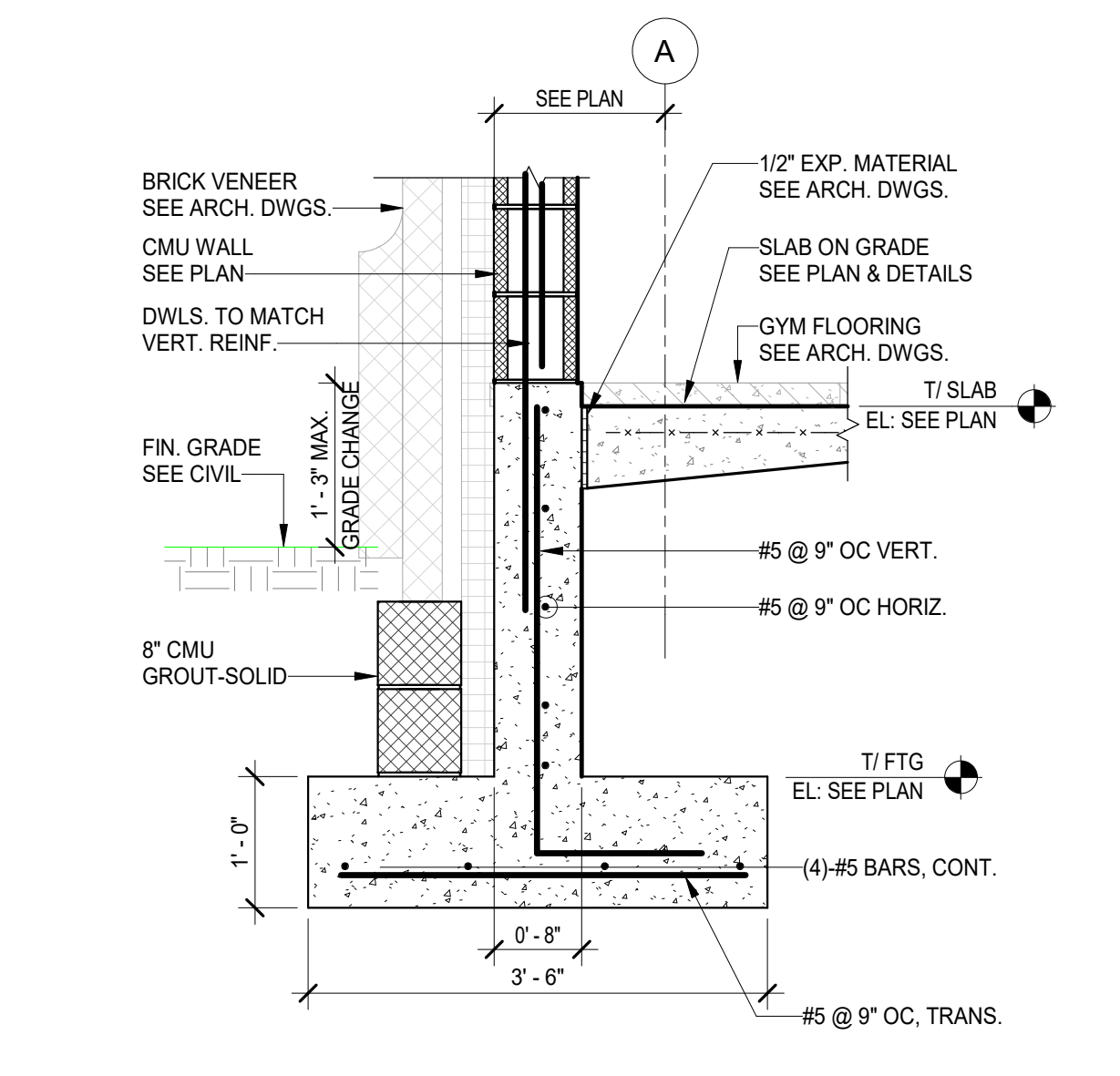
SECTION 5  
S302 Scale: 3/4" = 1'-0"



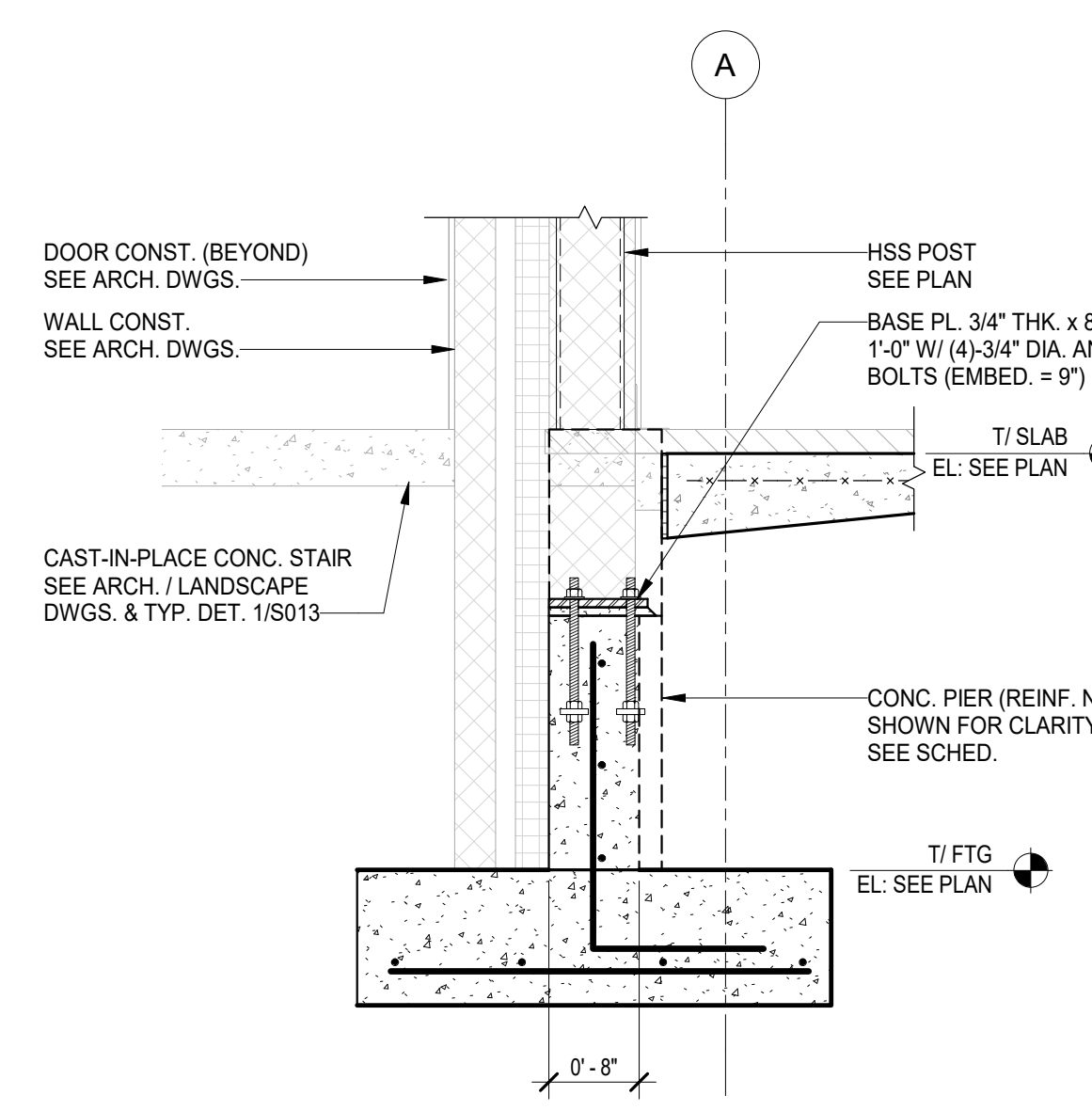
SECTION 9  
S302 Scale: 3/4" = 1'-0"



SECTION 4  
S302 Scale: 3/4" = 1'-0"



SECTION 1  
S302 Scale: 3/4" = 1'-0"



SECTION 8  
S302 Scale: 3/4" = 1'-0"

CLIENT  
**REBUILD**  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

MEP/FP ENGINEER  
**dbHMS**  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 287.217.1612

LIGHTING DESIGN  
**The Lighting Practice**  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 810.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
**DataBase+**  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.916.0557  
www.databasedplus.com

DATE: DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #: 2020  
SCALE: 3/4" = 1'-0"  
FORMAT: 30" X 42"  
DRAWN: AB  
CHECKED: JE  
DATE: 4/7/2023

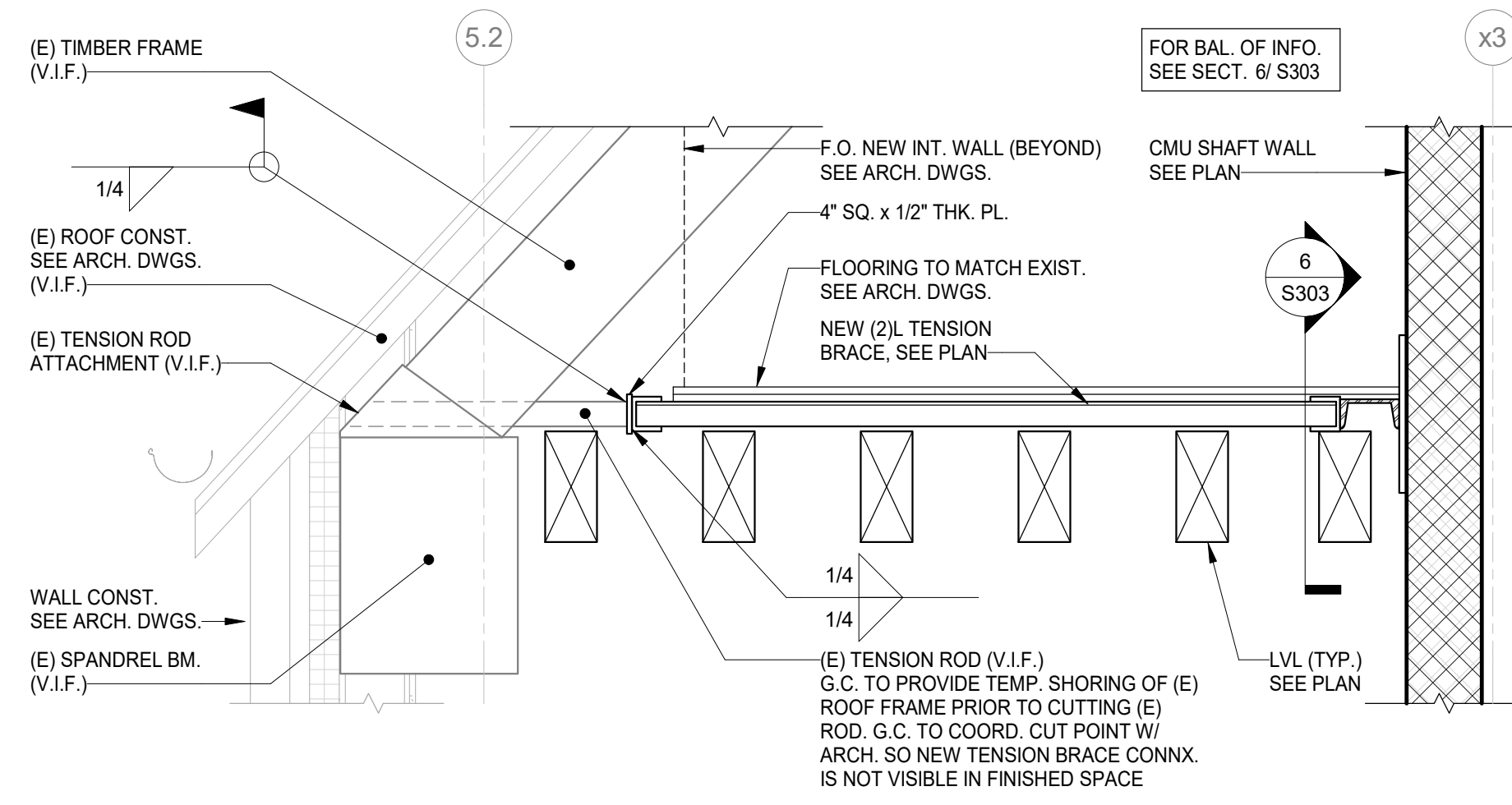
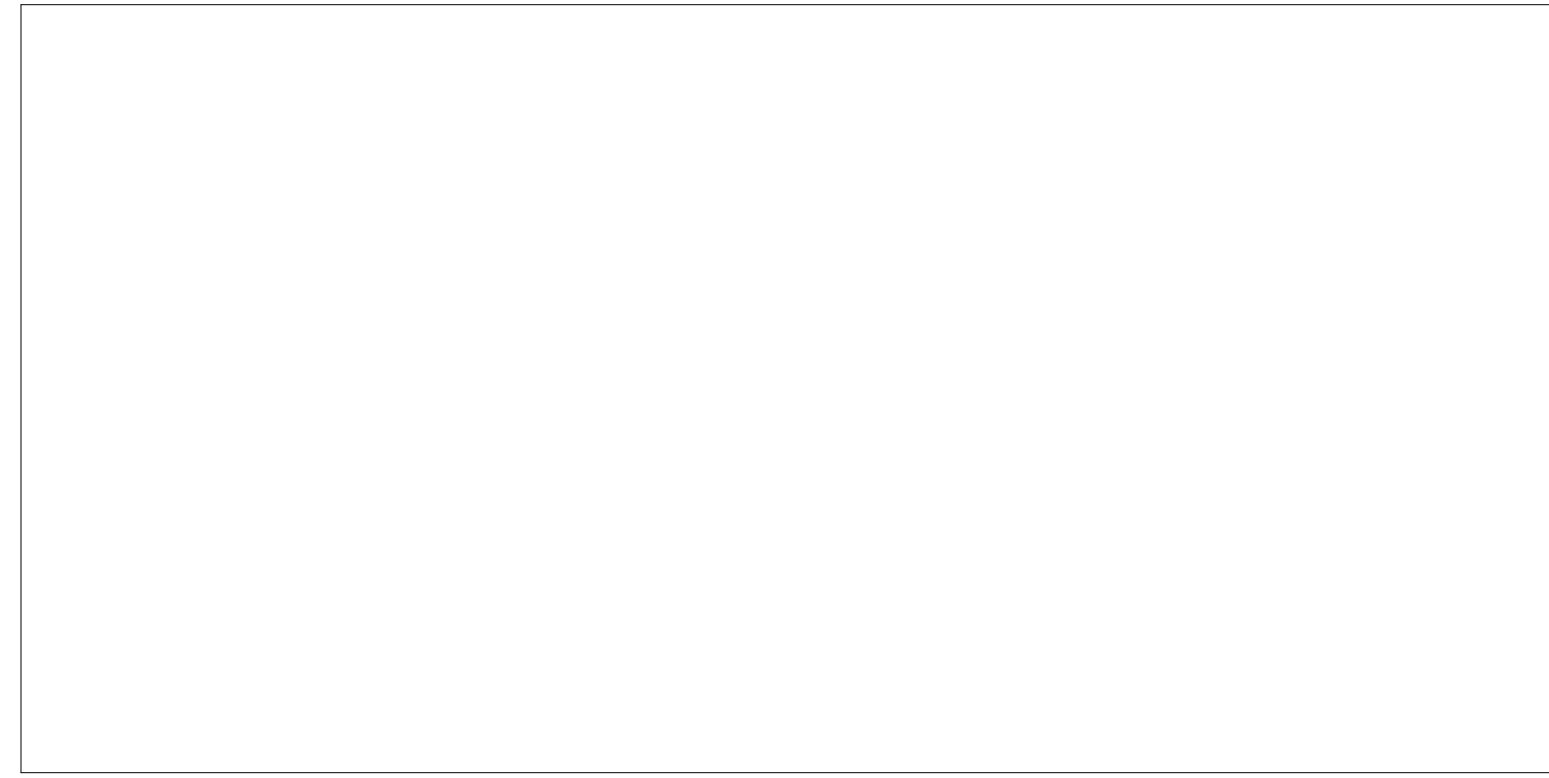
**SHEET NAME: SECTIONS - ADDITION FOUNDATION**

SHEET NUMBER:  
**S302**

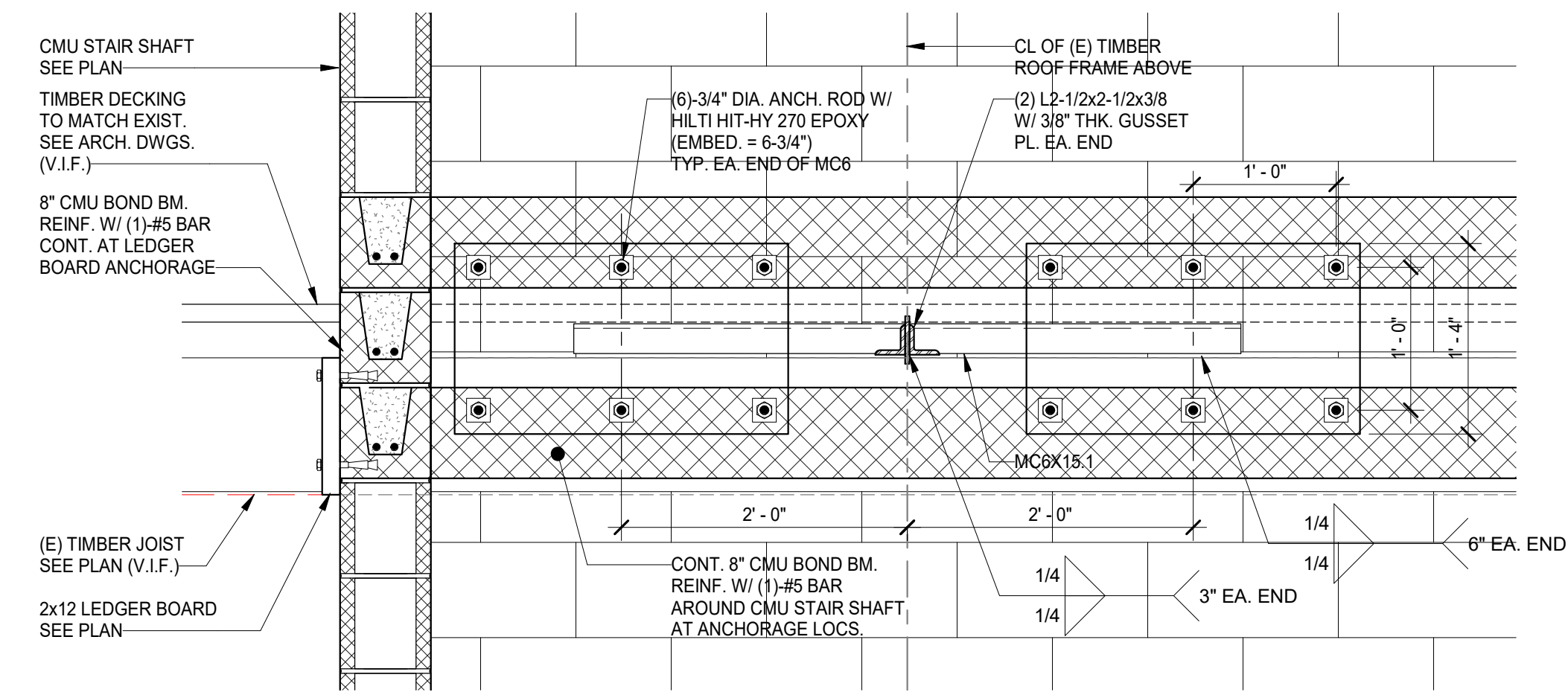
PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



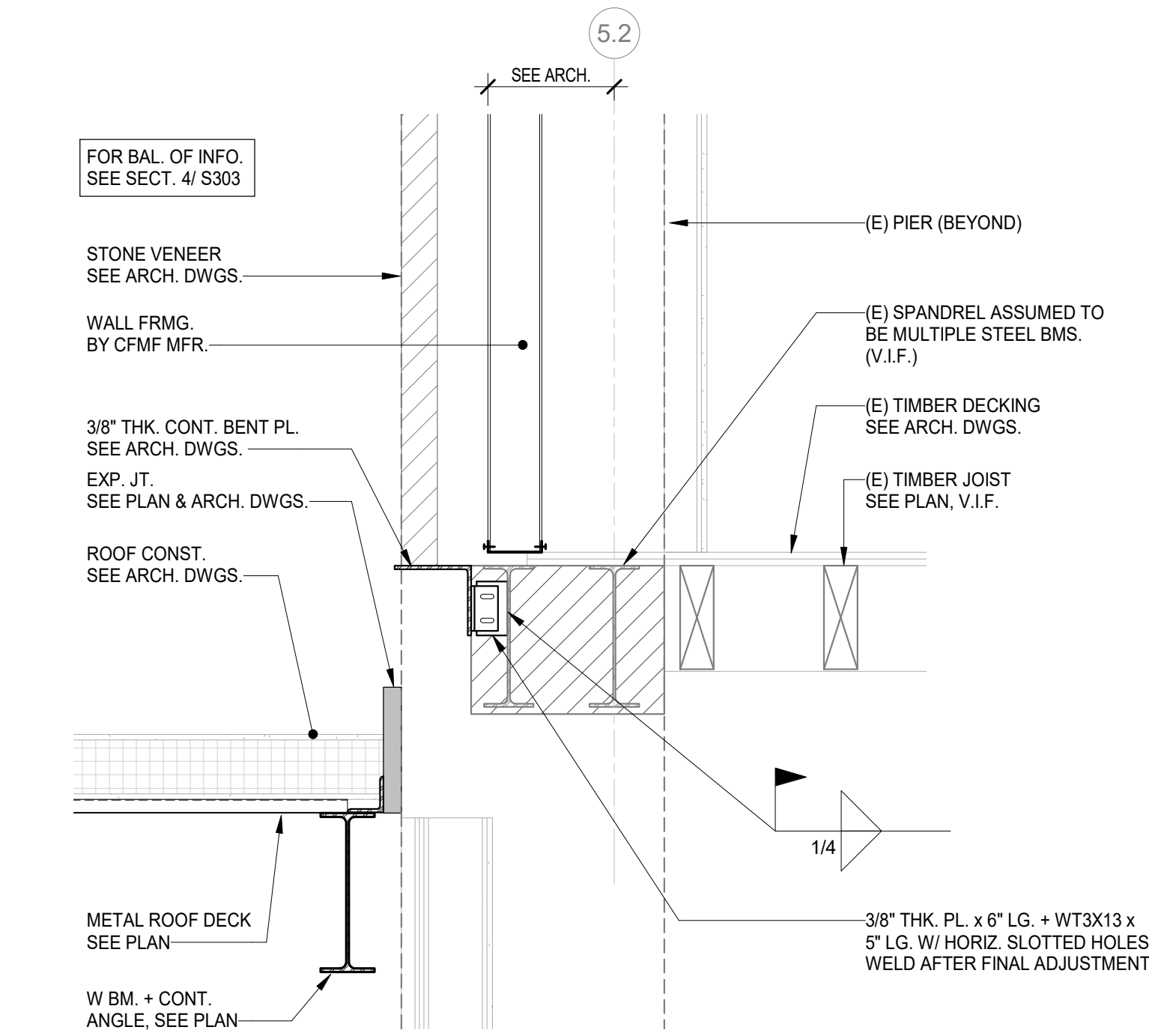
APPROVAL STAMP AREA



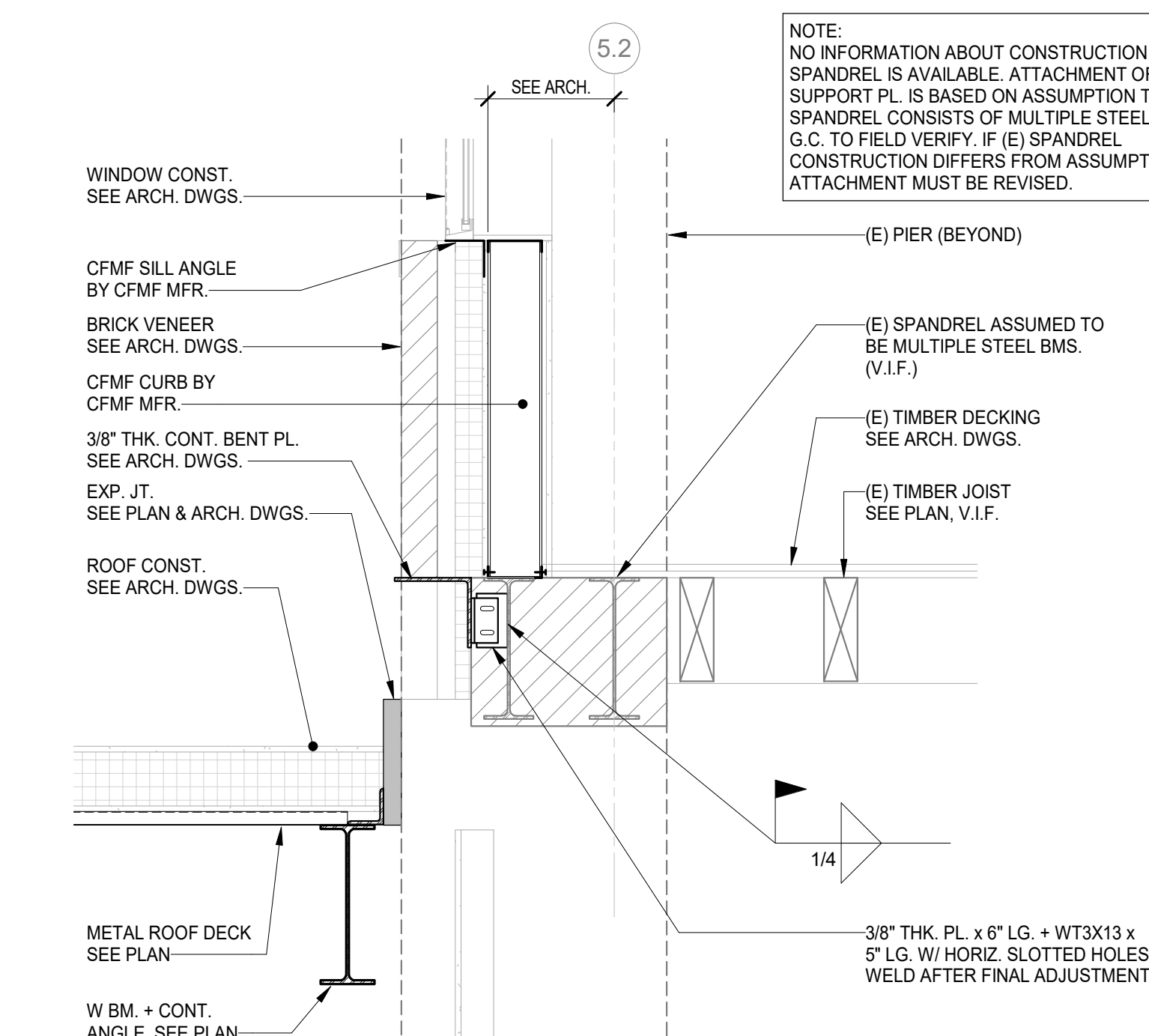
7 NEW TENSION BRACE DETAIL  
Scale: 3/4" = 1'-0"



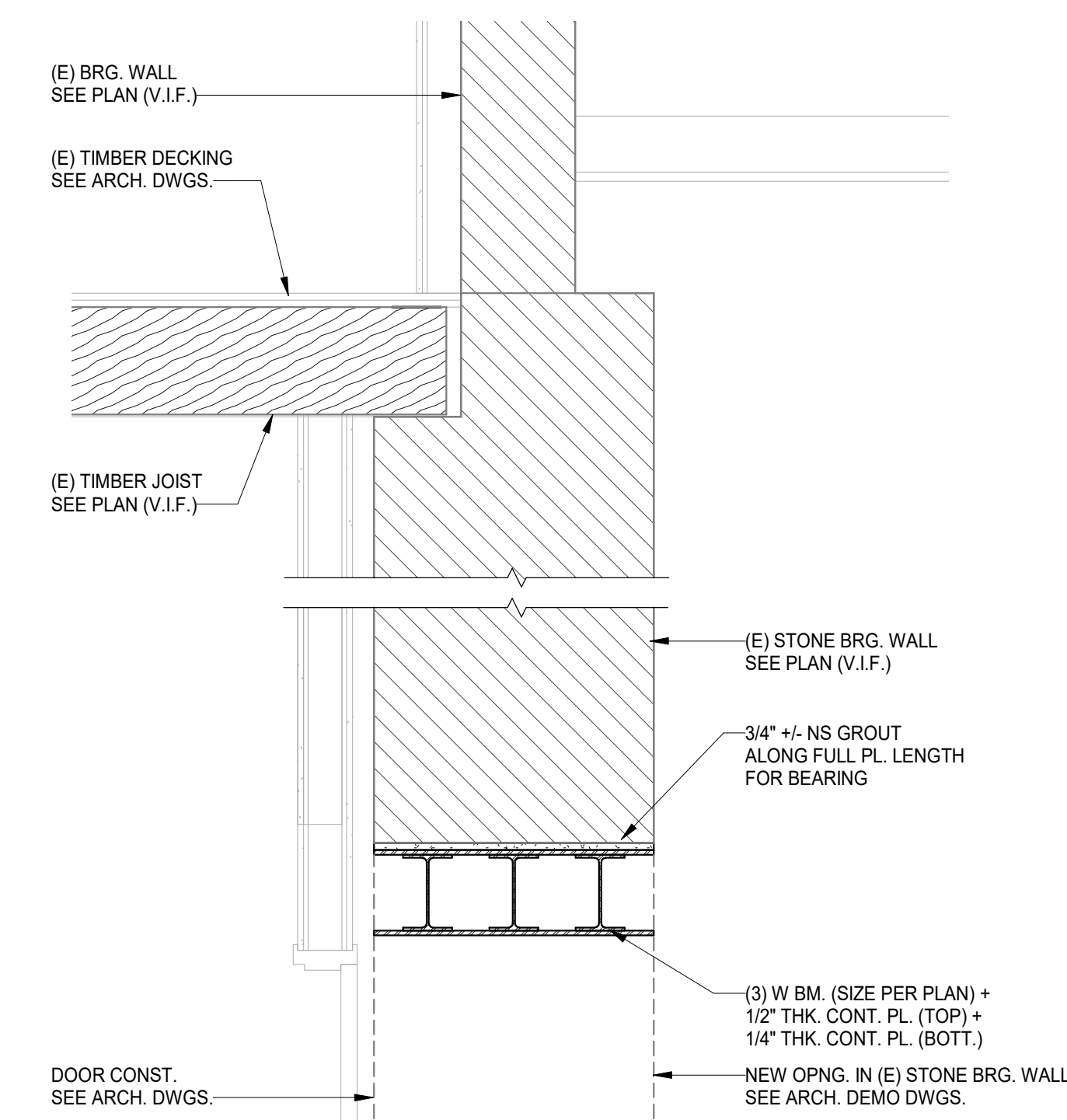
6 NEW TENSION BRACE DETAIL  
Scale: 1" = 1'-0"



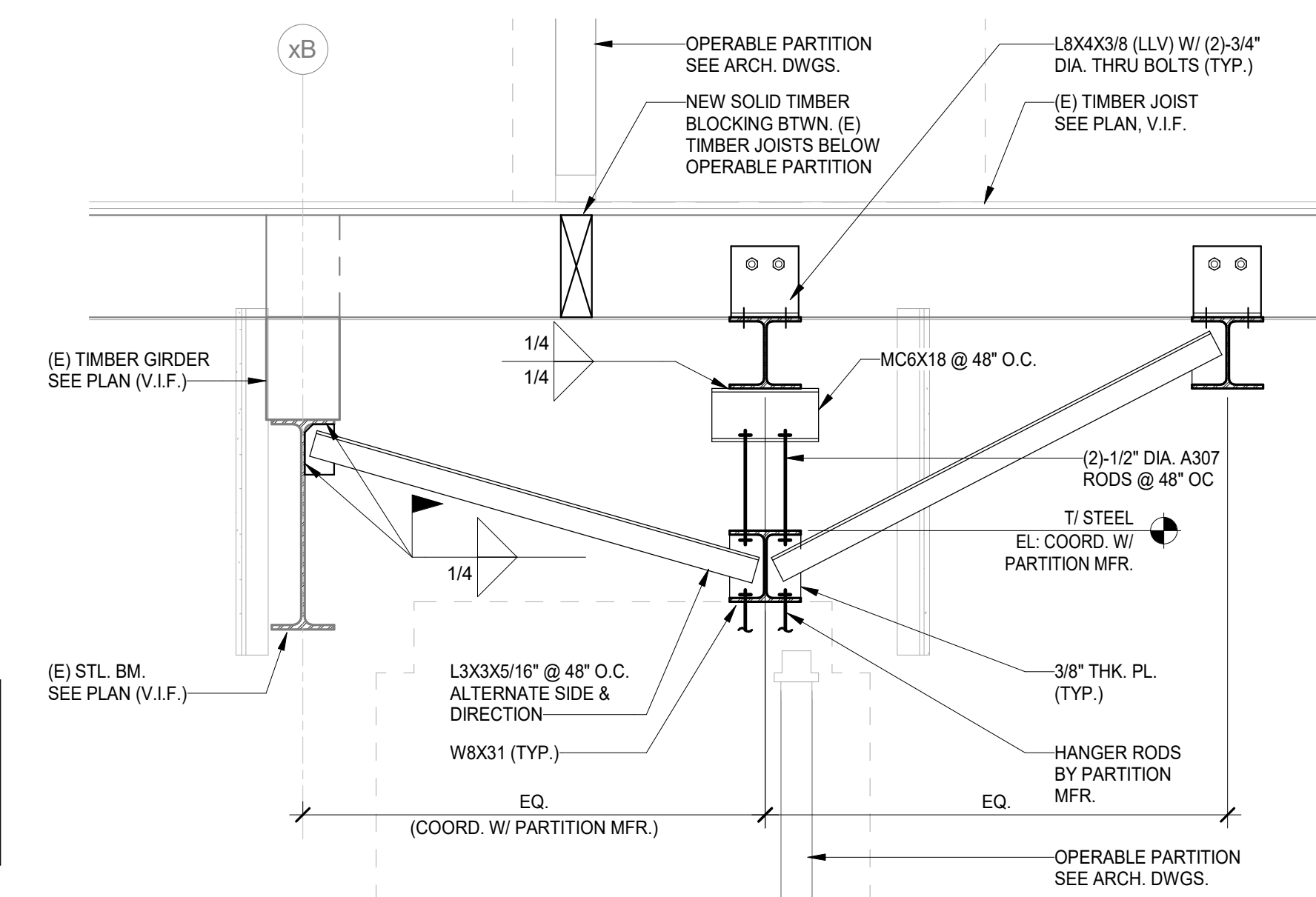
5 SECTION  
Scale: 3/4" = 1'-0"



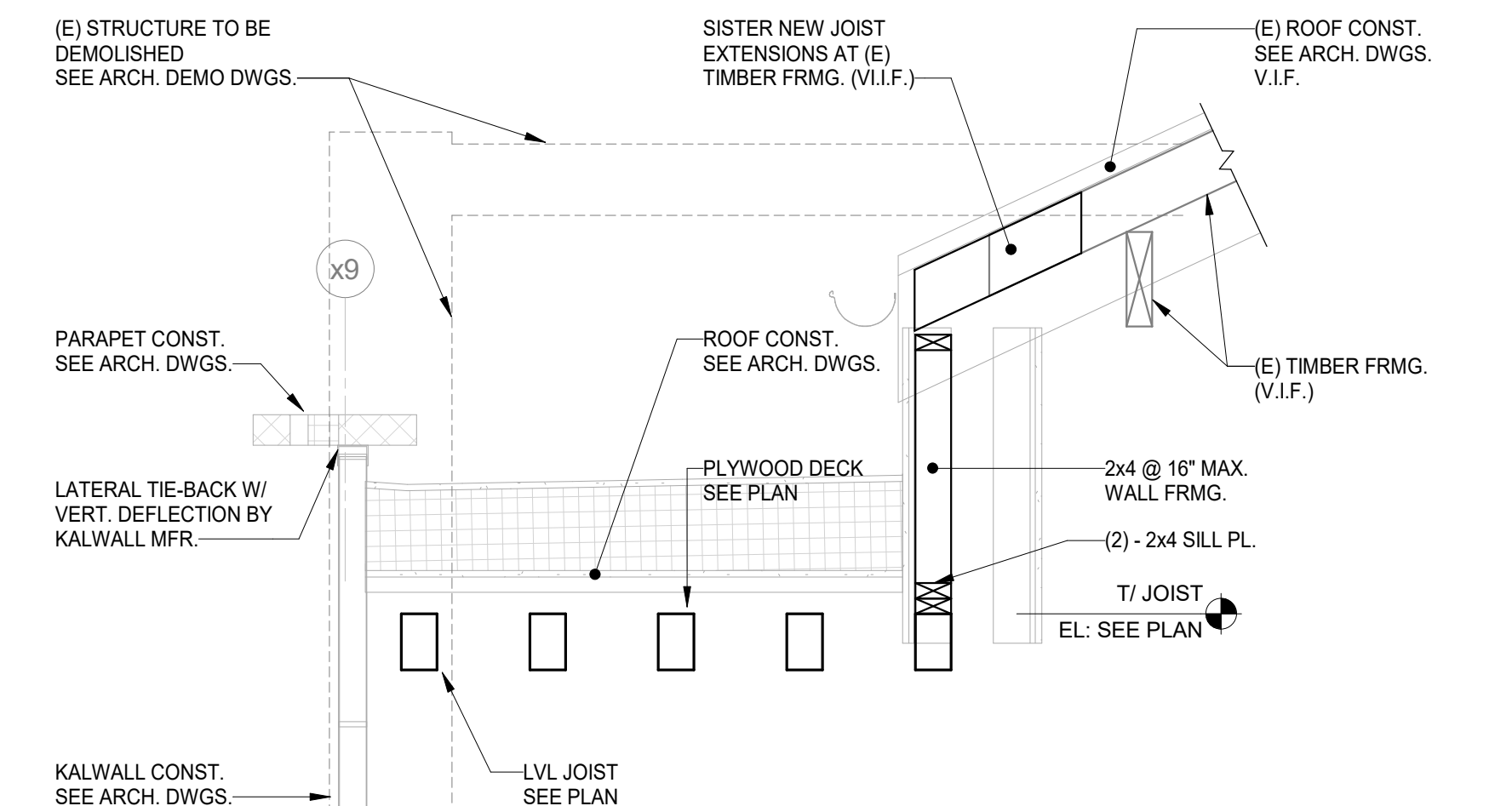
4 SECTION  
Scale: 3/4" = 1'-0"



3 SECTION AT NEW / EXTENDED WALL OPNG.  
Scale: 3/4" = 1'-0"



2 SECTION AT OPERABLE PARTITION  
Scale: 3/4" = 1'-0"



1 SECTION  
Scale: 3/4" = 1'-0"

**DIGSAU**

CLIENT  
**REBUILD**  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

MEP/FP ENGINEER  
**dbHMS**  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 267.217.1612

LIGHTING DESIGN  
**The Lighting Practice**  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 810.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
**Database+**  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.315.0557  
www.databasedplus.com

DATE:	DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #: 2020  
SCALE: As indicated  
FORMAT: 30" X 42"  
DRAWN: AB  
CHECKED: JE  
DATE: 4/7/2023

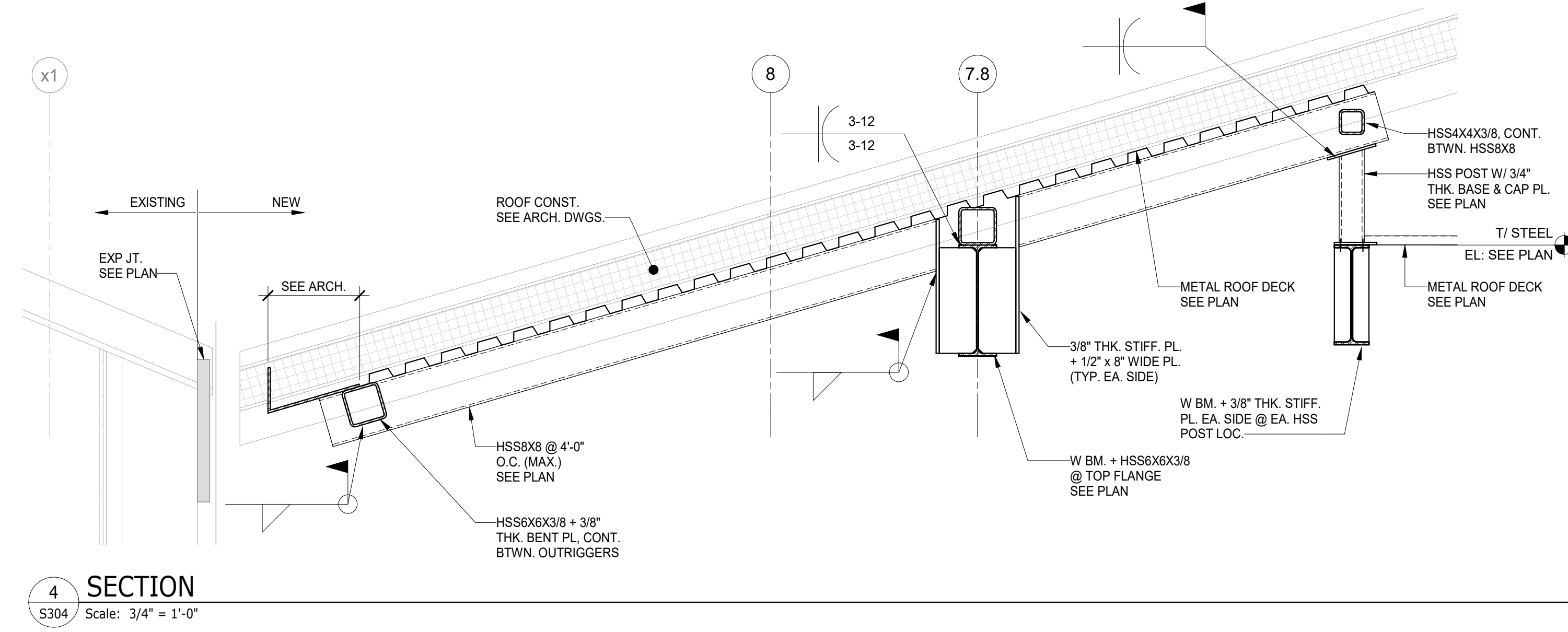
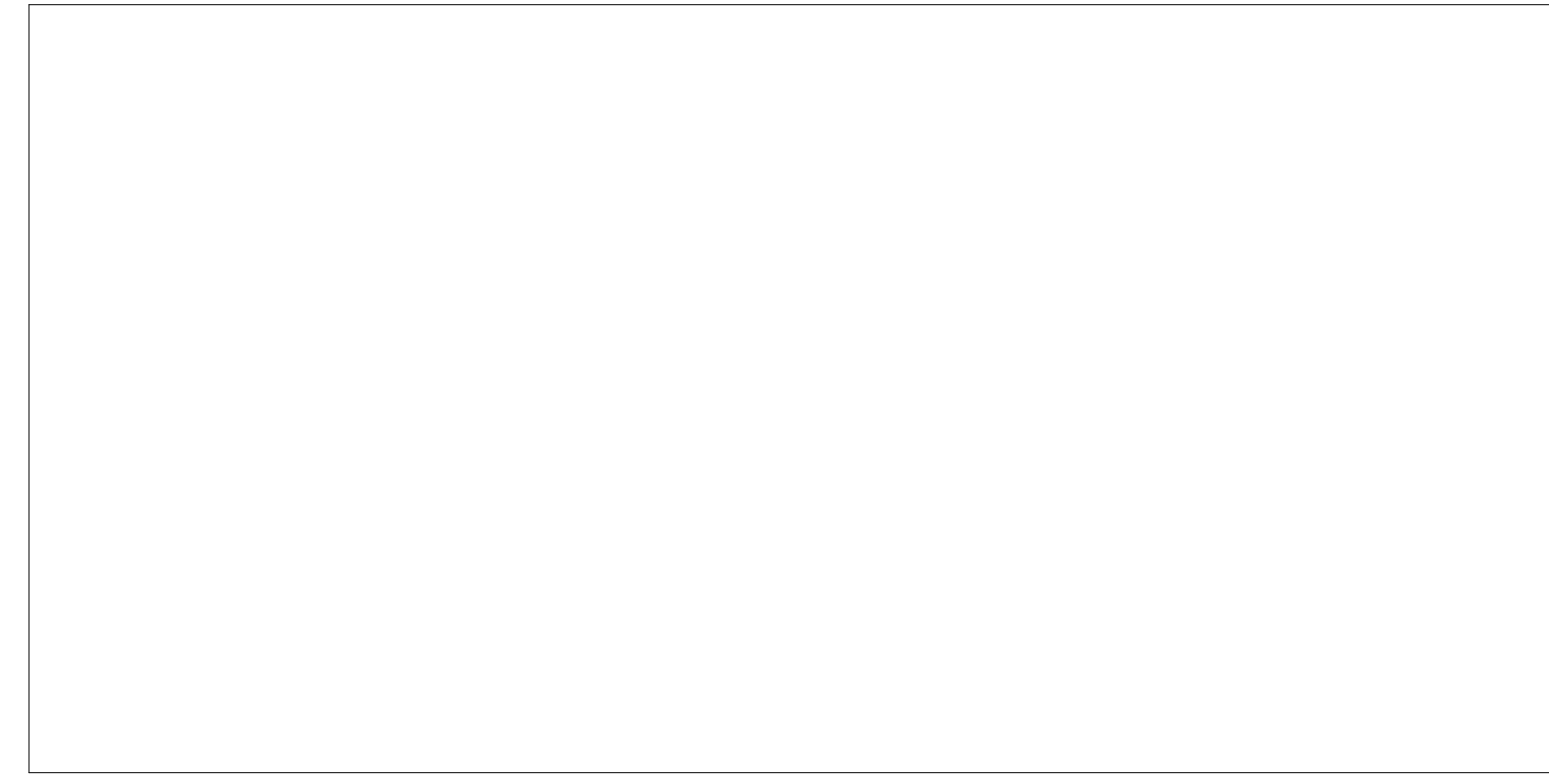
SHEET NAME:  
**SECTIONS - LEVEL 2 & LEVEL 3 RENOVATION**

SHEET NUMBER:  
**S303**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**

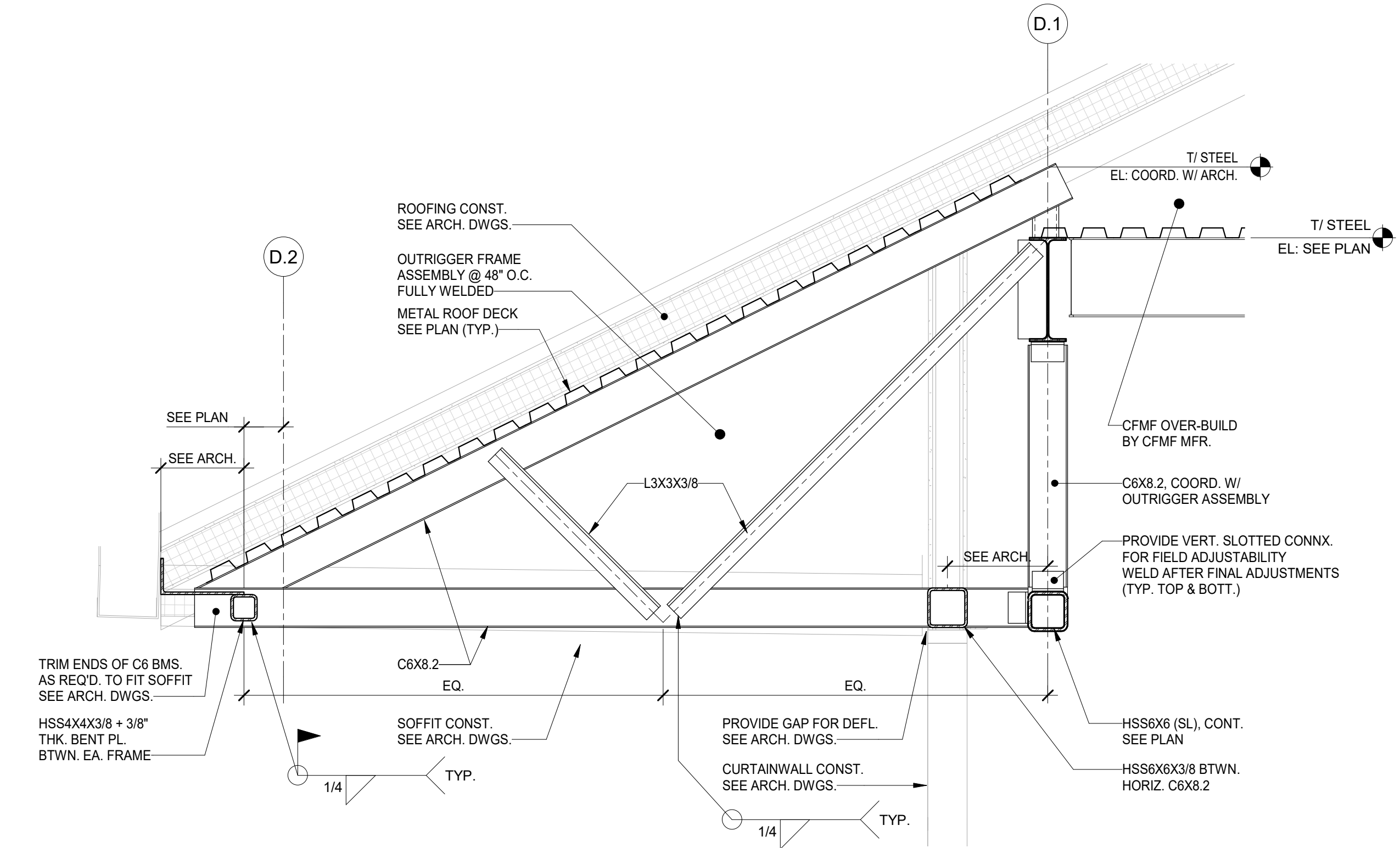


APPROVAL STAMP AREA

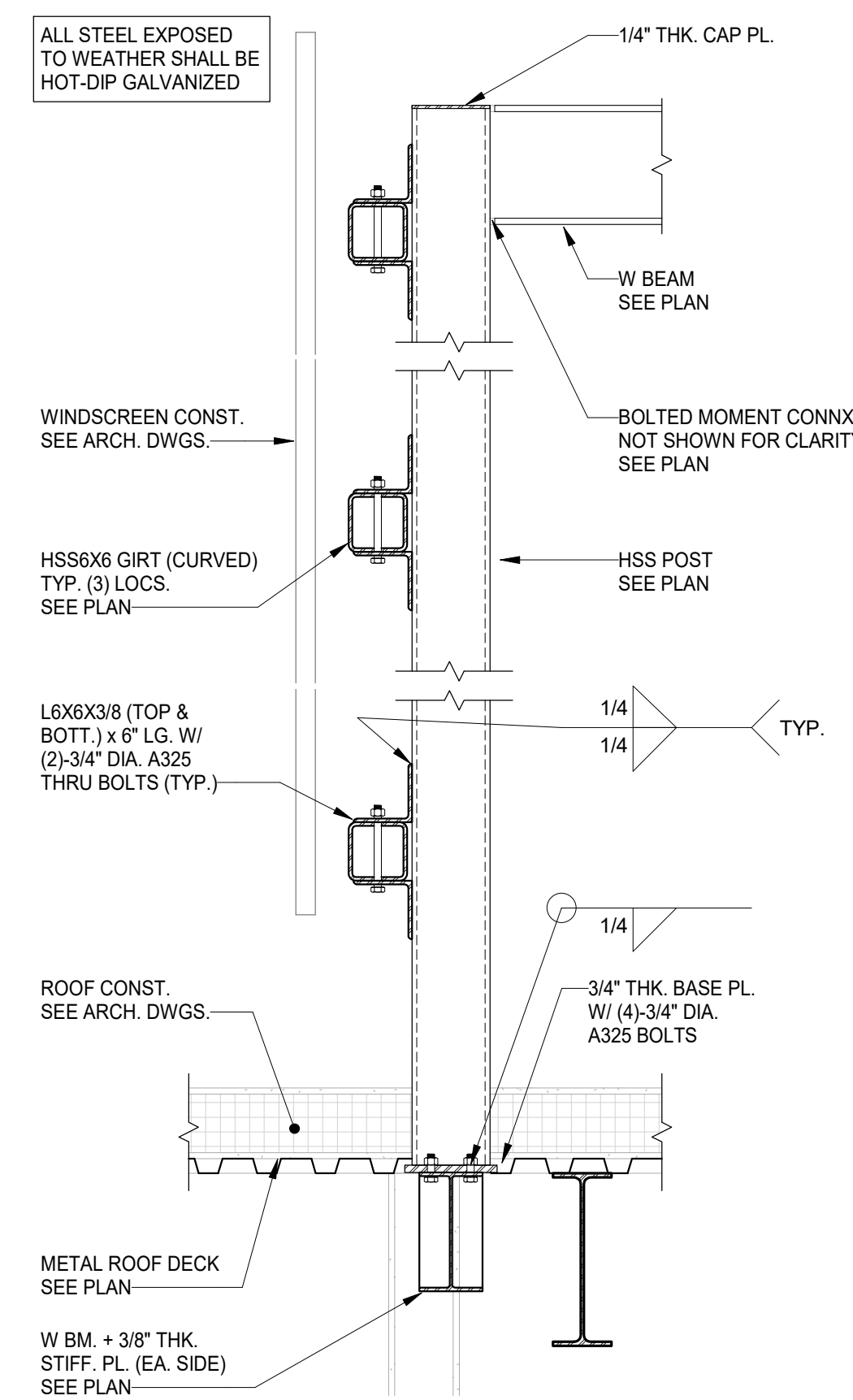


4 SECTION  
S304 Scale: 3/4" = 1'-0"

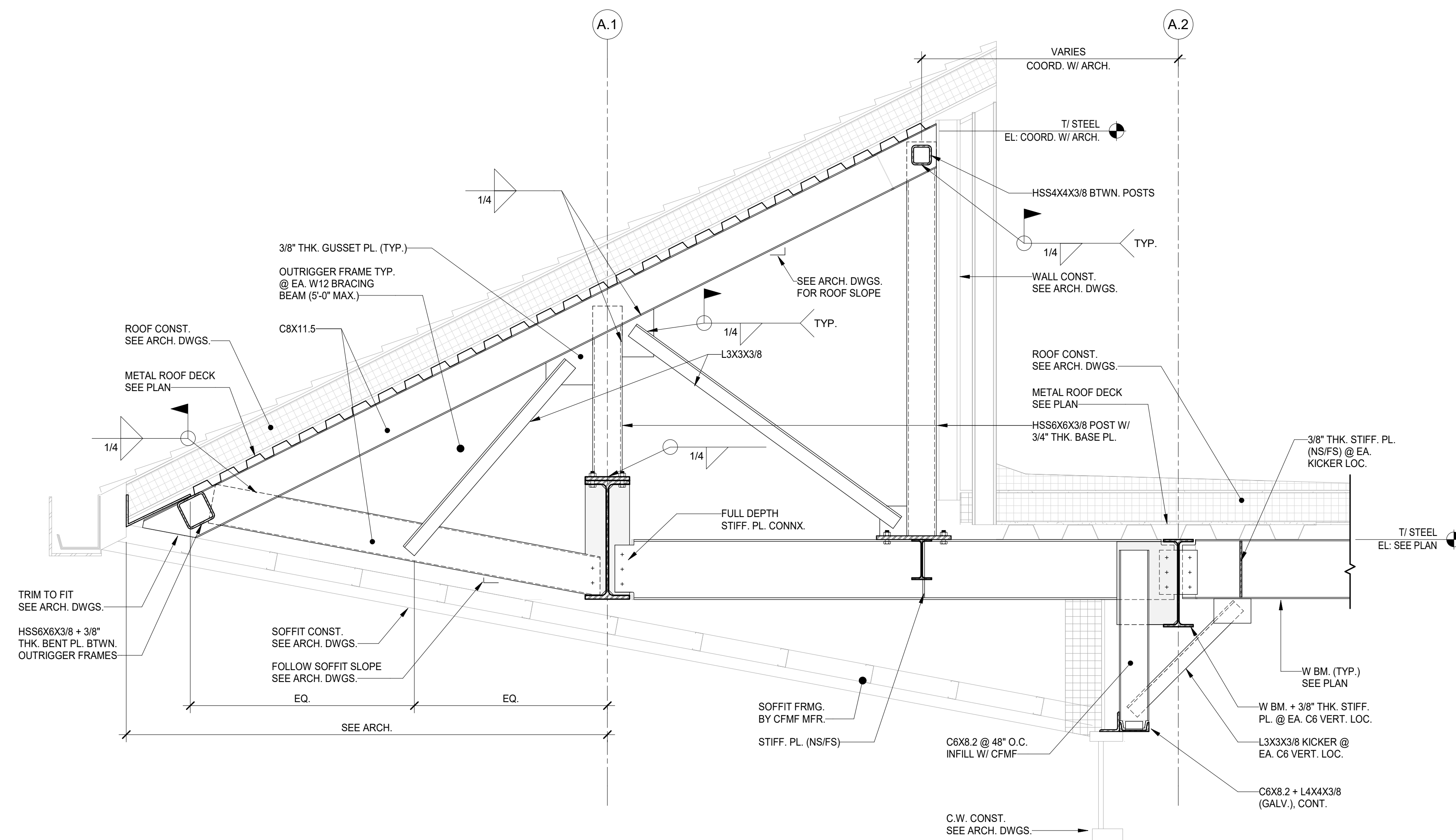
SECTION 3/S304 - NOT USED



2 SECTION  
S304 Scale: 3/4" = 1'-0"



5 TYPICAL WINDSCREEN SECTION  
S304 Scale: 3/4" = 1'-0"



1 SECTION  
S304 Scale: 3/4" = 1'-0"

**DIGSAU**

CLIENT  
**REBUILD**  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

MEP/FP ENGINEER  
**dbHMS**  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 267.217.1612

LIGHTING DESIGN  
**The Lighting Practice**  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 810.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
**DataBase+**  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.916.0557  
www.databasedplus.com

DATE: DESCRIPTION:

**FRANCIS J. MYERS  
RECREATION CENTER  
SITE AND BUILDING  
IMPROVEMENTS**

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #: 2020  
SCALE: 3/4" = 1'-0"  
FORMAT: 30" X 42"  
DRAWN: AB  
CHECKED: JE  
DATE: 4/7/2023

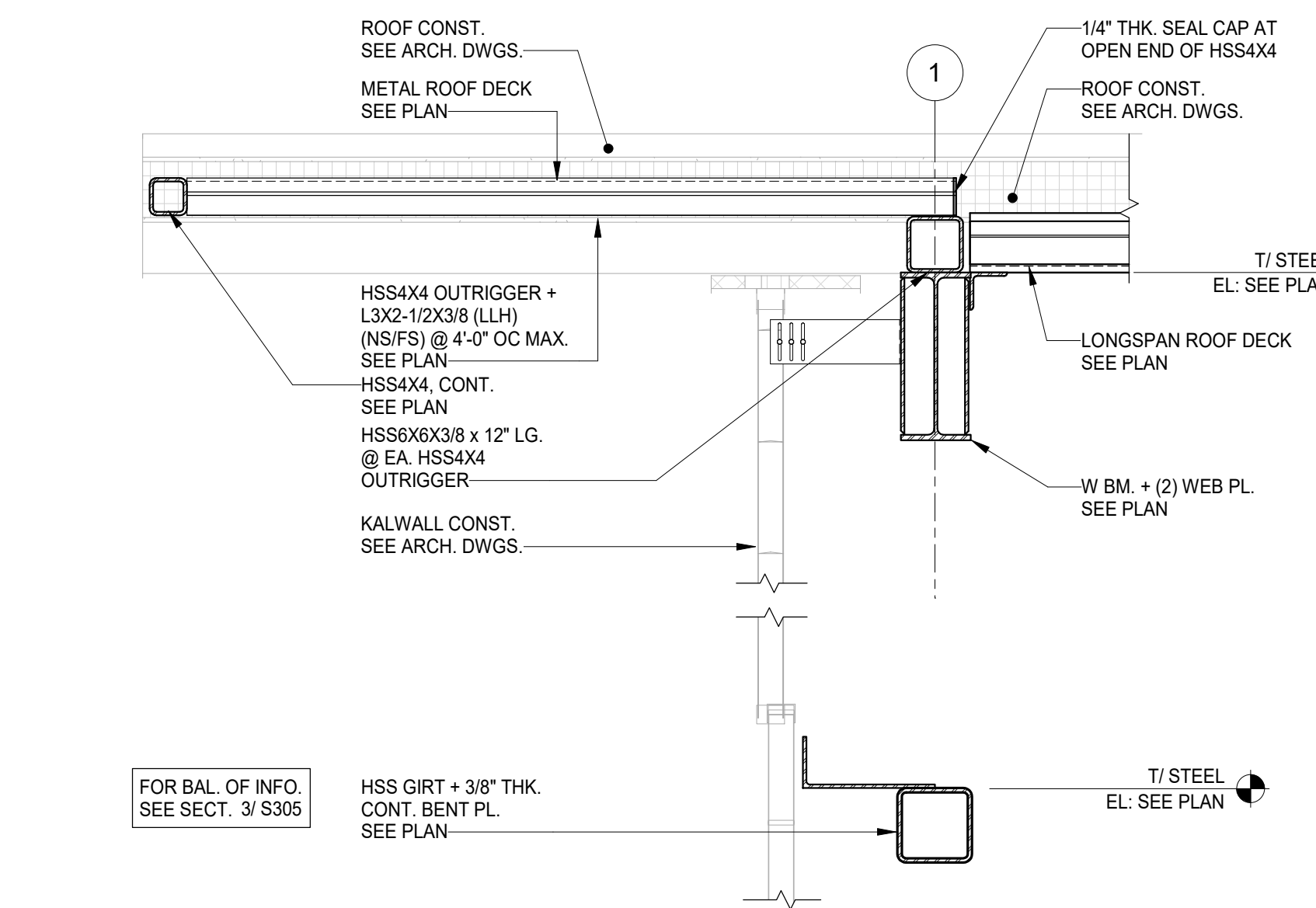
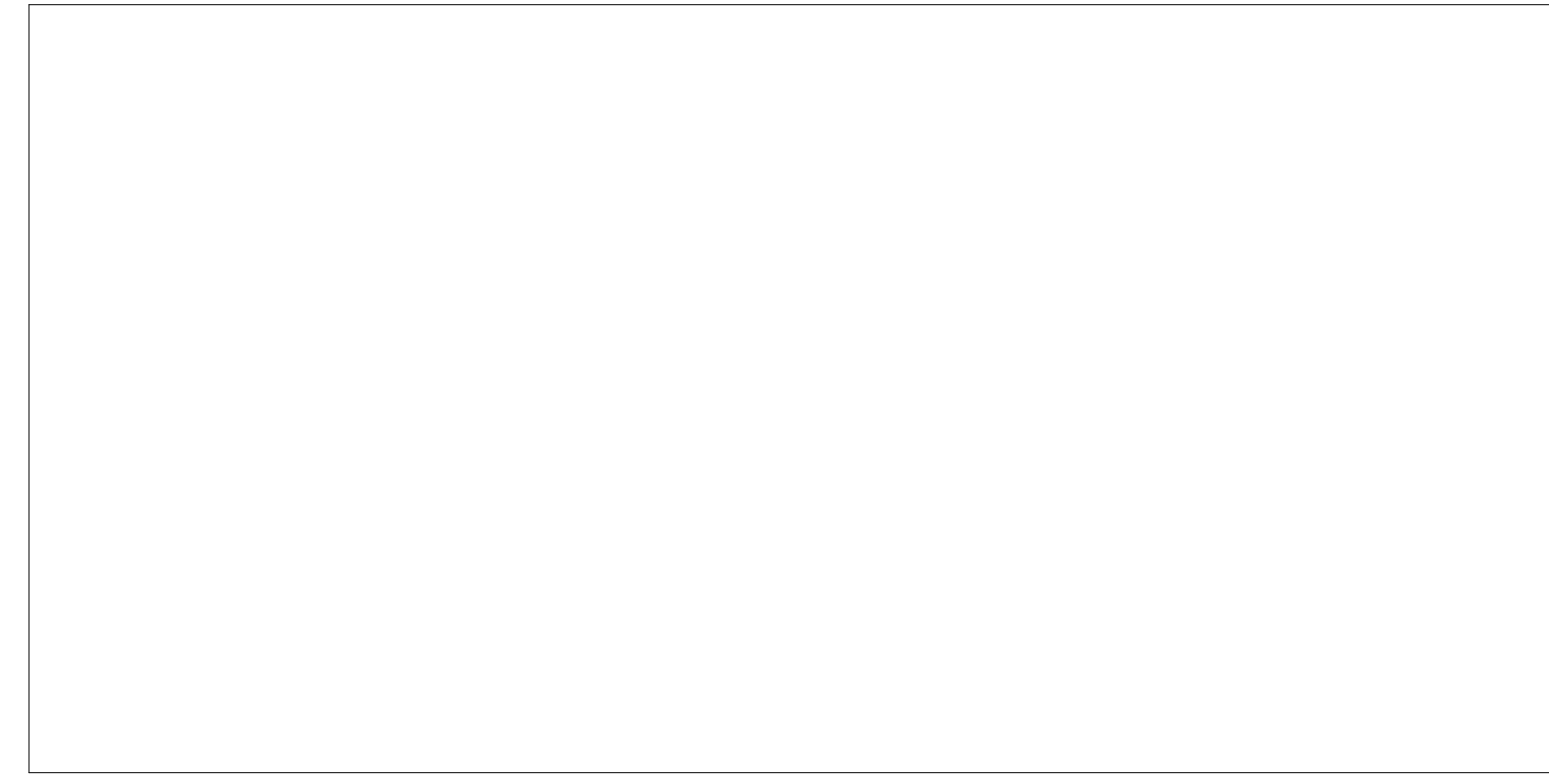
SHEET NAME:  
**SECTIONS -  
CONNECTOR ROOF  
ADDITION**

SHEET NUMBER:  
**S304**

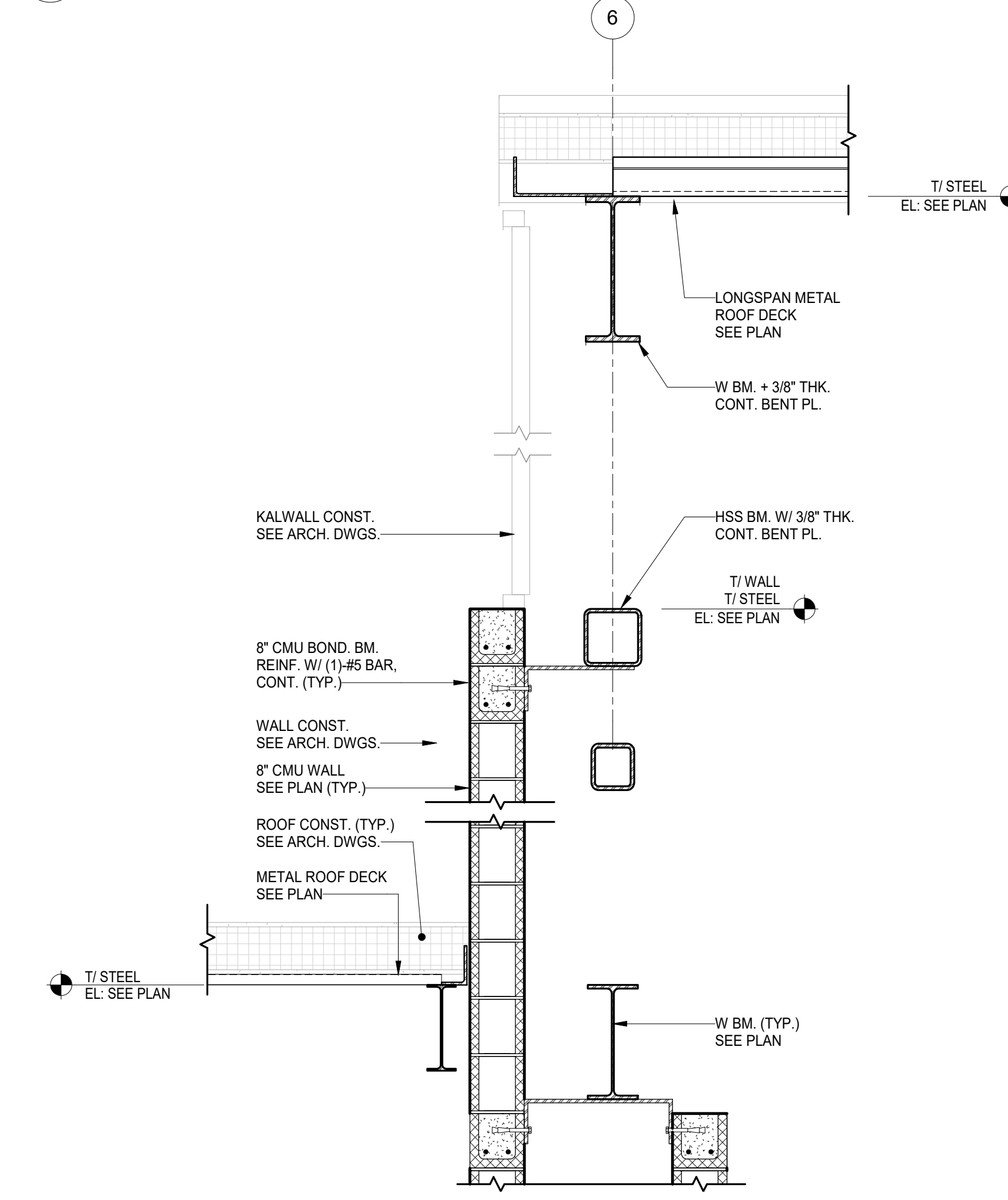
PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



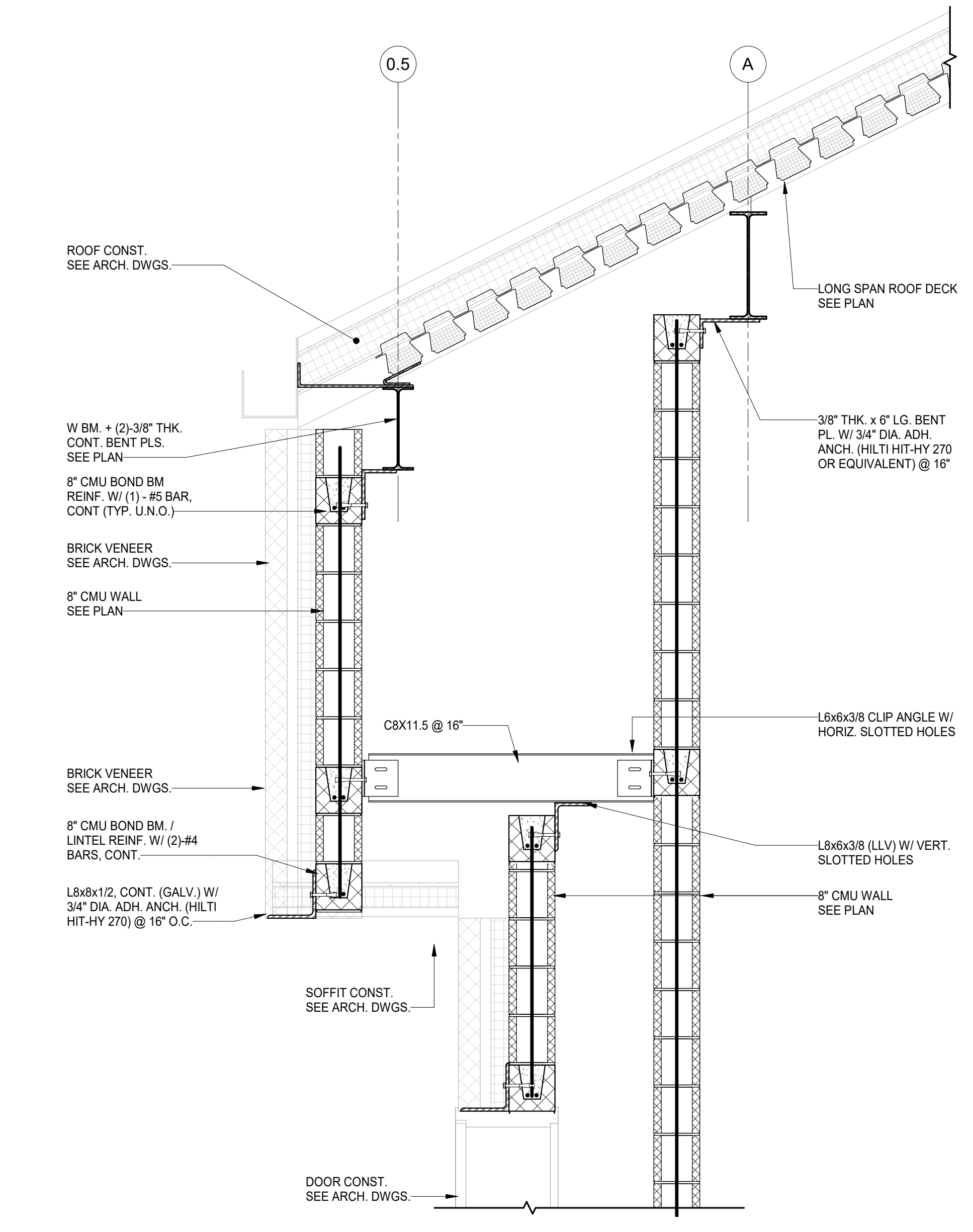
APPROVAL STAMP AREA



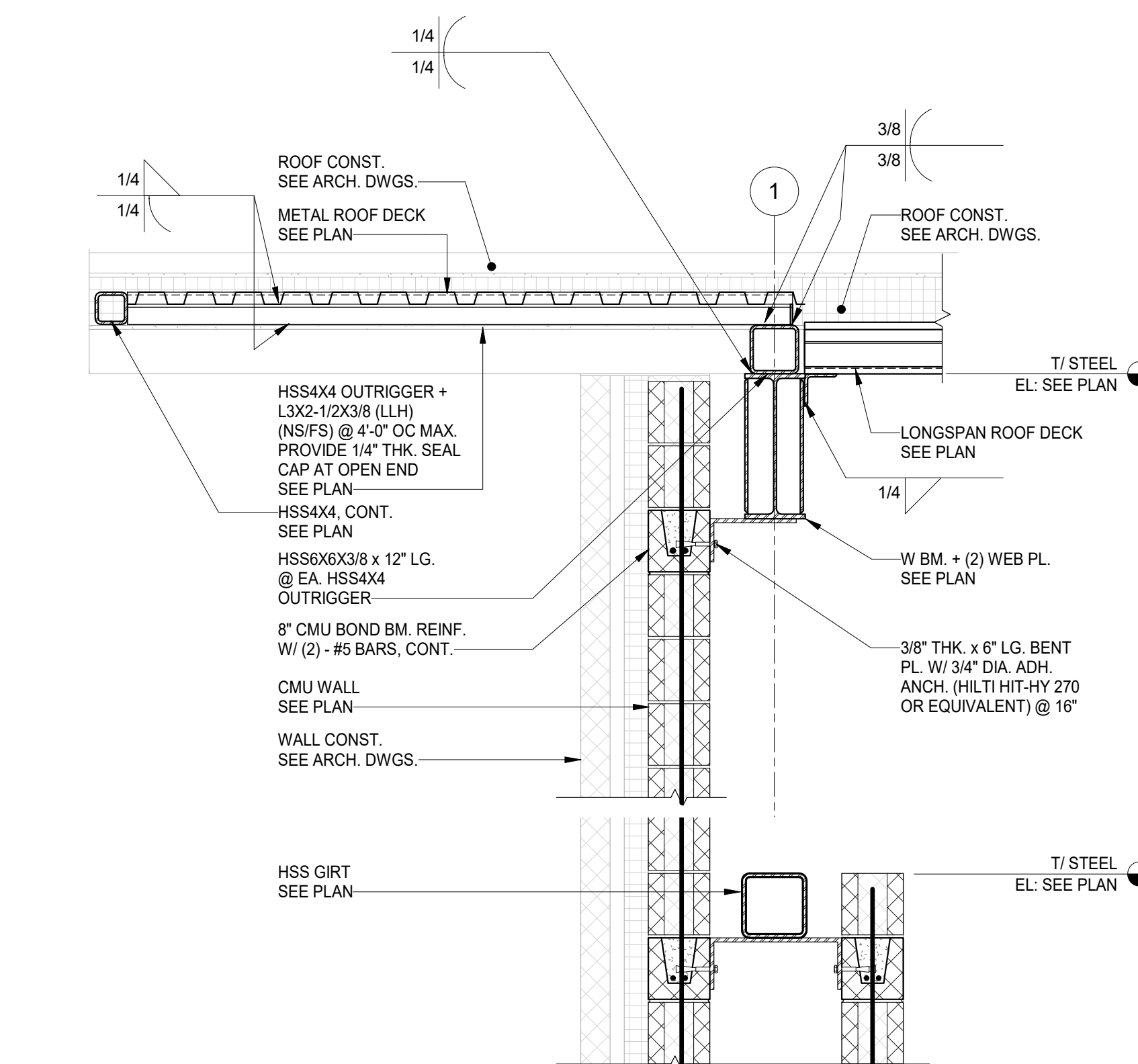
5 SECTION  
S305 Scale: 3/4" = 1'-0"



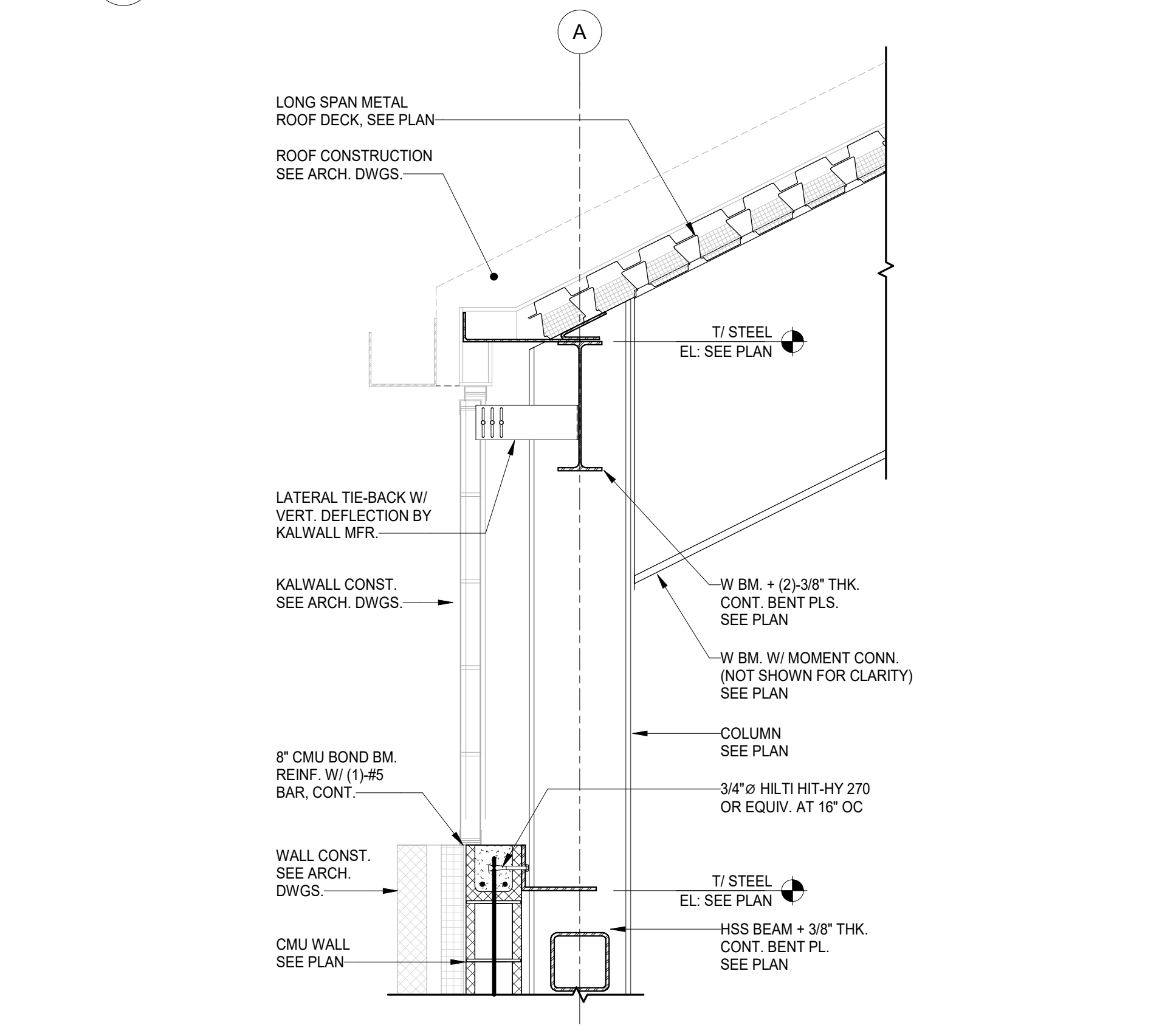
6 SECTION  
S305 Scale: 3/4" = 1'-0"



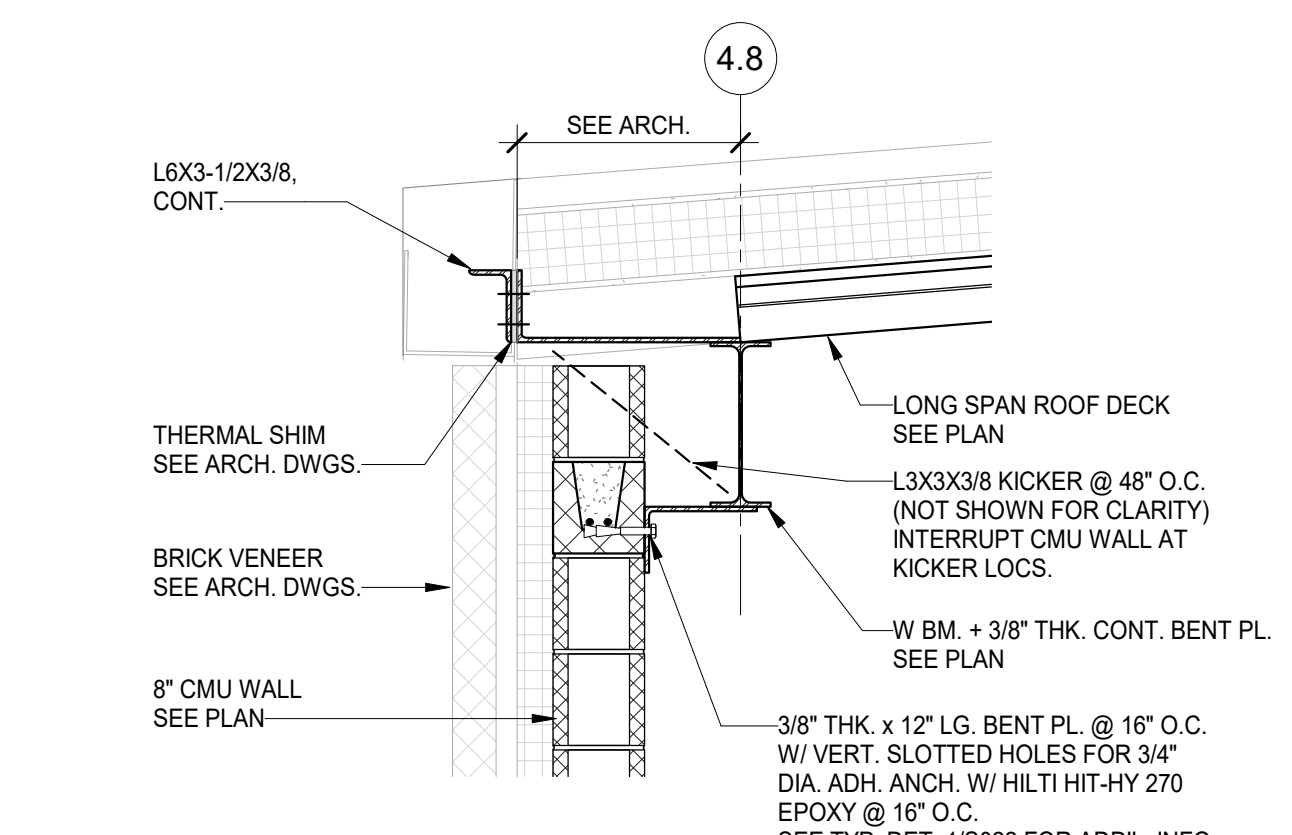
2 SECTION  
S305 Scale: 3/4" = 1'-0"



3 SECTION  
S305 Scale: 3/4" = 1'-0"



1 SECTION  
S305 Scale: 3/4" = 1'-0"



4.8 SECTION  
S305 Scale: 3/4" = 1'-0"

# DIGSAU

CLIENT  
**REBUILD**  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

MEP/FP ENGINEER  
**dbHMS**  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 267.217.1612

LIGHTING DESIGN  
**The Lighting Practice**  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 810.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
**DataBase+**  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.916.0557  
www.databasedplus.com

DATE:	DESCRIPTION:

## FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	3/4" = 1'-0"
FORMAT:	30" X 42"
DRAWN:	AB
CHECKED:	JE
DATE:	4/7/2023

SHEET NAME:  
**SECTIONS - GYM ROOF ADDITION**

SHEET NUMBER:  
**S305**

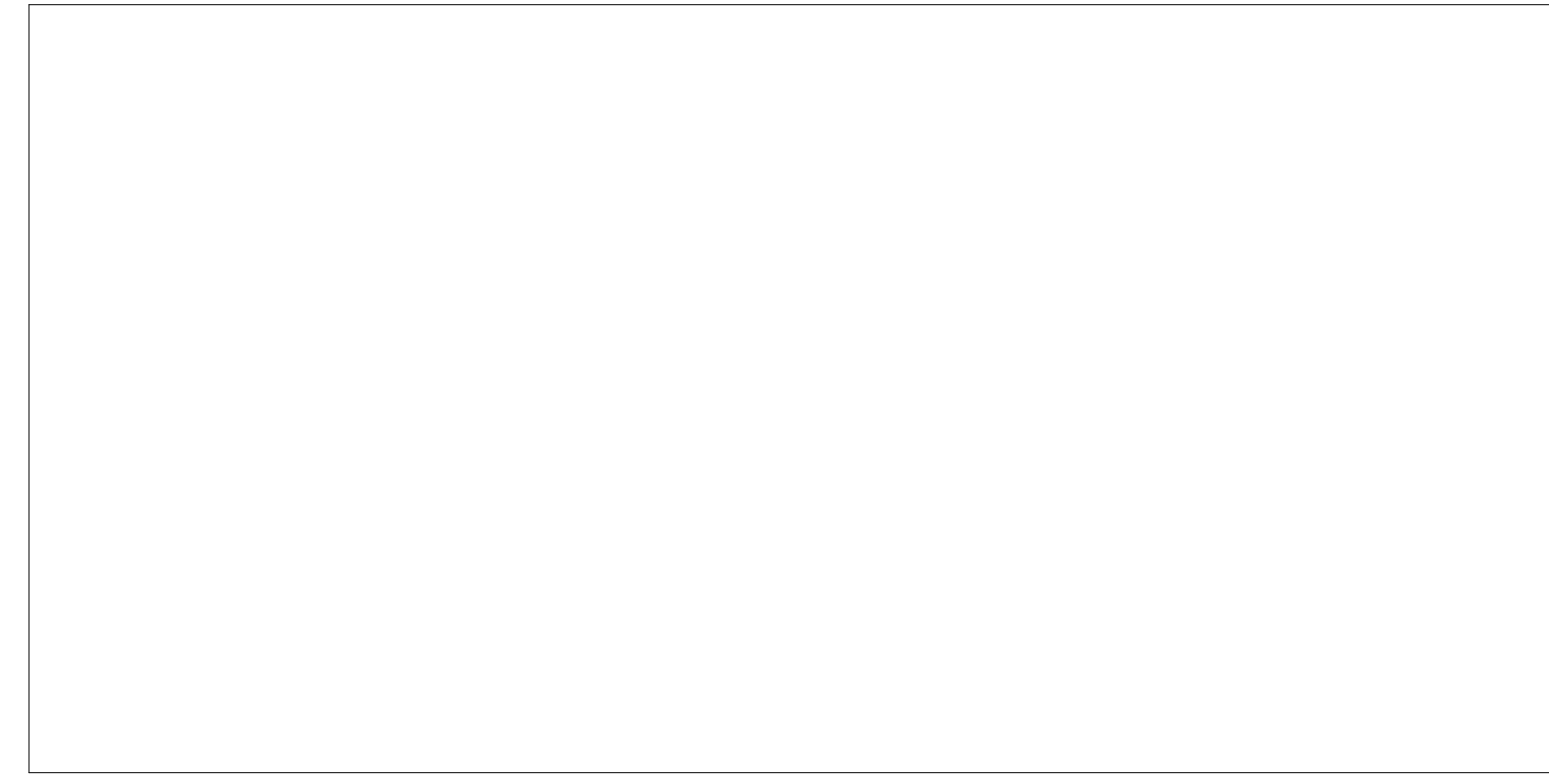
PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**







APPROVAL STAMP AREA



**CLIENT**  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

**MEP/FP ENGINEER**  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.1612

**LIGHTING DESIGN**  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

**COST ESTIMATING**  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 610.554.6560

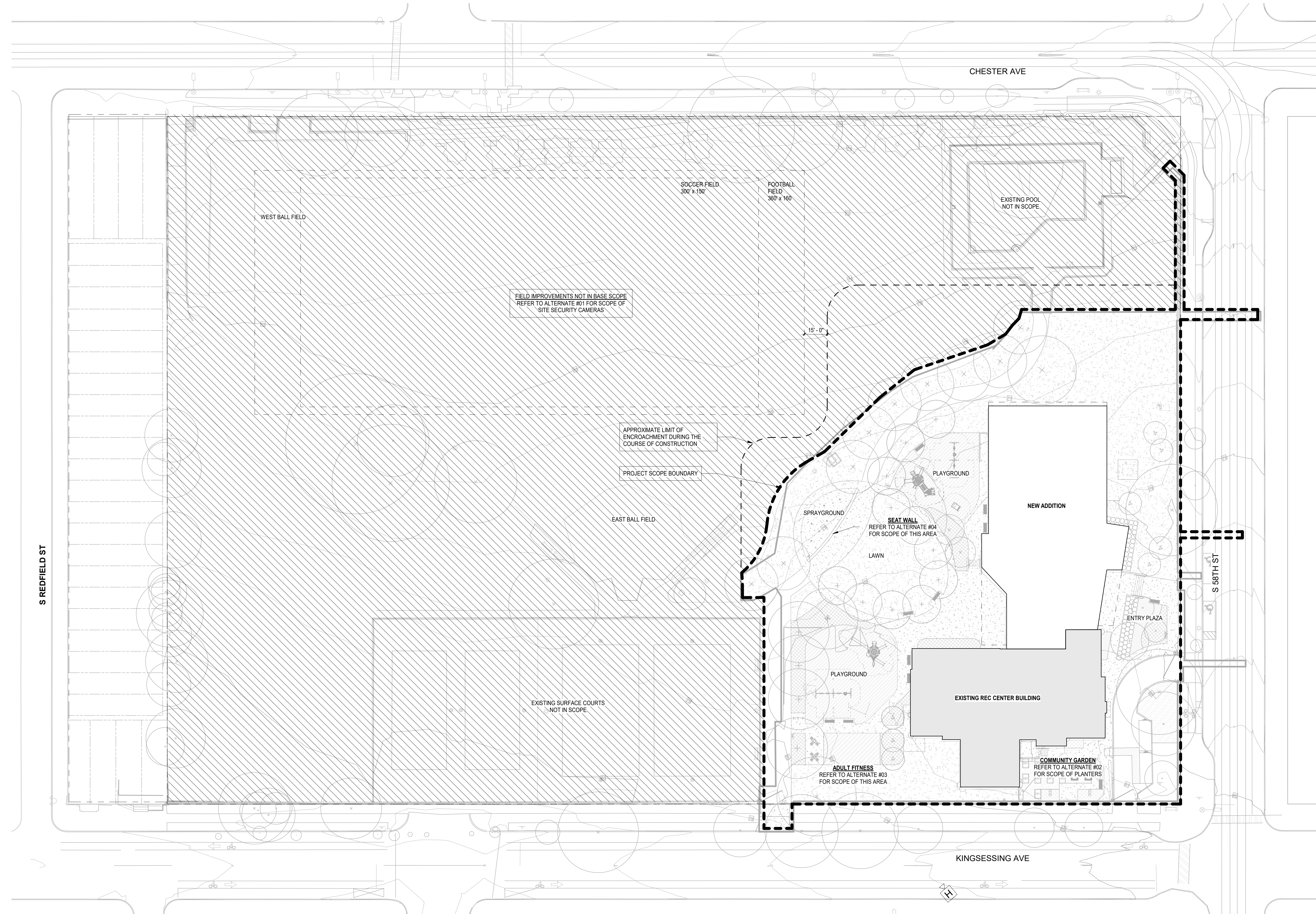
**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

**LEED CONSULTANT**  
**DataBase+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.916.0557  
 www.databasedplus.com

- GENERAL NOTES - SITE PLAN:**
- GC TO COORDINATE WITH OWNER THE ABILITY TO MAINTAIN ACCESS AND OPERATION OF EXISTING SITE ELEMENTS DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE POOL, BASKETBALL COURTS, AND PLAYING FIELDS.
  - GC MUST PROVIDE A SITE LOGISTICS PLAN AS REQUIRED BY THE CONTRACT DOCUMENTS
  - REFER TO SPEC SECTION 012100 FOR DESCRIPTION OF ALTERNATES NOTED

**SITE PLAN LEGEND**

- OUT OF SCOPE
- PROJECT SCOPE BOUNDARY
- PROPERTY LINE



DATE:	DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave  
 Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	Author
CHECKED:	Checker
DATE:	4/7/2023

**SHEET NAME:**  
**ARCHITECTURAL SITE PLAN**

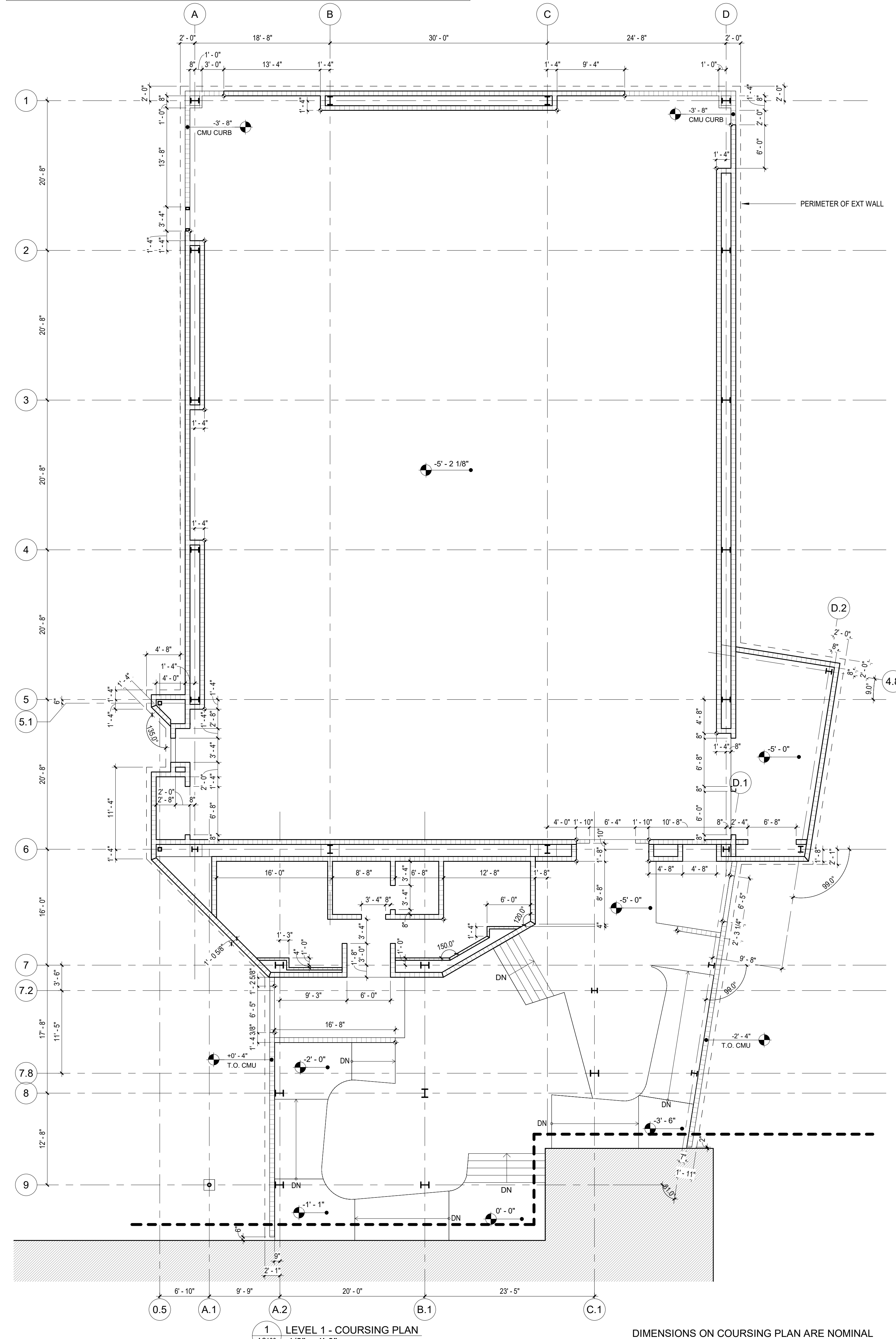
**SHEET NUMBER:**  
**A100**

**PROJECT PHASE:**  
**CONSTRUCTION DOCUMENTS**



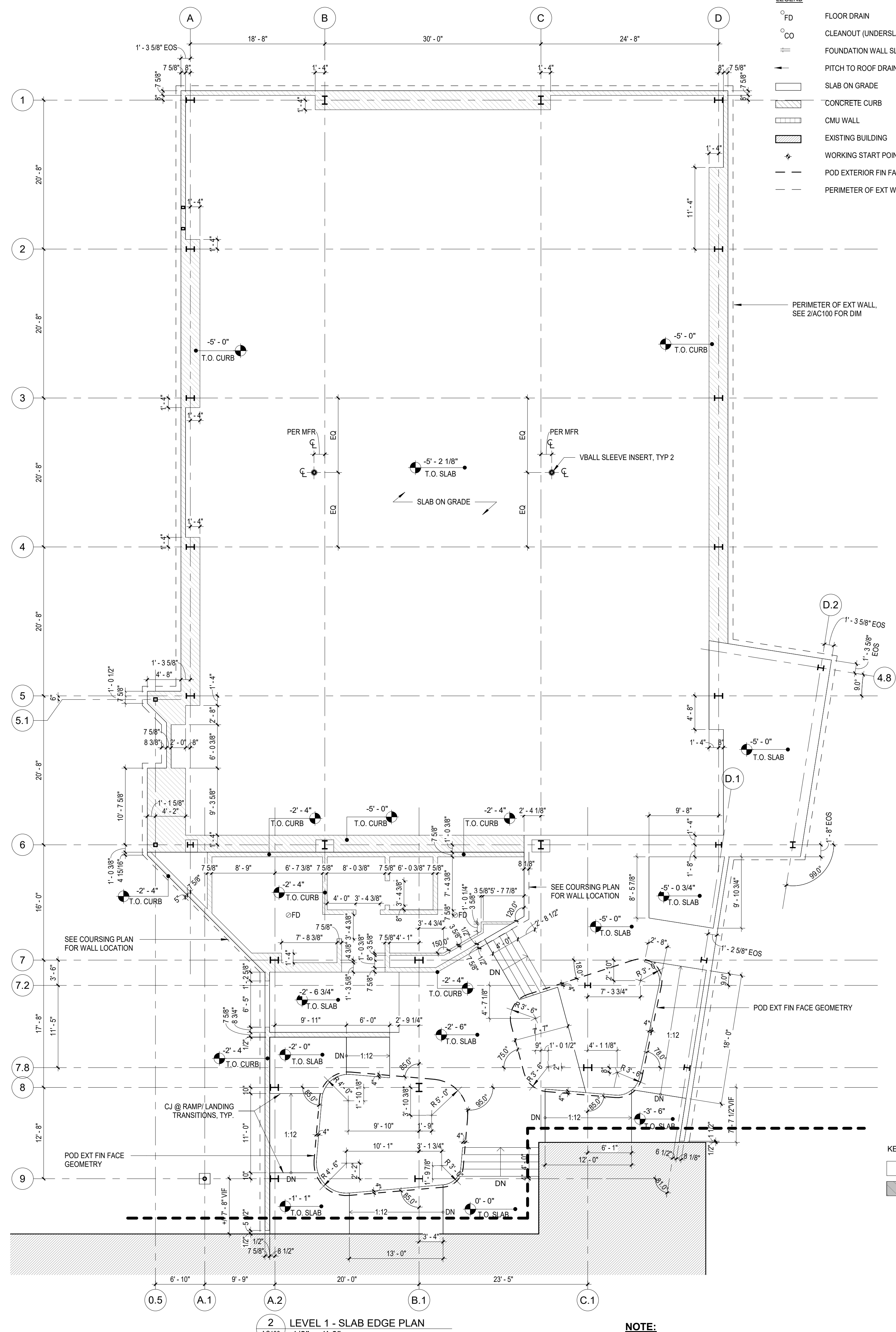


APPROVAL STAMP AREA



1 LEVEL 1 - COURSING PLAN  
1/8" = 1'-0"

DIMENSIONS ON COURSING PLAN ARE NOMINAL



2 LEVEL 1 - SLAB EDGE PLAN  
1/8" = 1'-0"

NOTE:  
1. DIMENSIONS ON SLAB EDGE PLAN ARE ACTUAL  
2. FINAL SOG JOINT LAYOUT TO BE DEVELOPED

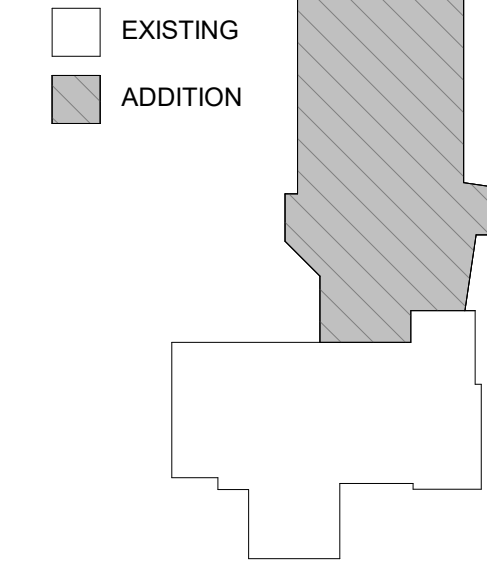
GENERAL NOTES

- CM TO COORDINATE SLAB RECESSES, SLEEVE LOCATIONS, PIPING PENETRATIONS, DRAINS, ETC., WITH RELATED TRADES AND CONFIRM ALL DIMENSIONS SHOWN ON THIS PLAN.
- COORDINATE ALL TRANSITIONS AT DOOR SILLS WITH DOOR SCHEDULE AND SEE INTERIOR DETAILS SHEETS FOR MATERIAL TRANSITIONS AND RELATED SLAB STEPS AT DOORS.
- SEE EXTERIOR OPENINGS SCHEDULE AND EXTERIOR DETAILS FOR ANY RELATED CURB PROFILES AND EXTENTS.
- COORDINATE DOOR CLOSER DEPRESSIONS WITH DOOR HARDWARE AND ARCH PLANS (AS APPLICABLE).
- FLOOR DRAINS AND SLAB CLEANOUTS TO BE COORDINATED BY CONTRACTORS.
- AT SLAB OPENINGS FOR DUCTWORK AND/OR MULTIPLE PIPES, PROVIDE CONCRETE CURBS, MIN 4" HIGH. COORDINATE WITH MEP CONTRACTORS FOR LOCATIONS AND DIMENSIONS.
- HOUSEKEEPING PADS NOT SHOWN ON CONTROL PLANS. COORDINATE WITH MEP CONTRACTORS FOR LOCATIONS AND DIMENSIONS.

LEGEND

- FD FLOOR DRAIN
- CO CLEANOUT (UNDERSLAB PIPING)
- FOUNDATION WALL SLEEVE
- PITCH TO ROOF DRAIN OR FLOOR DRAIN
- SLAB ON GRADE
- CONCRETE CURB
- CMU WALL
- EXISTING BUILDING
- WORKING START POINT
- POD EXTERIOR FIN FACE GEOMETRY
- PERIMETER OF EXT WALL

KEY PLAN



CLIENT  
**REBUILD**  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

MEP/FP ENGINEER  
**dbHMS**  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 267.217.1612

LIGHTING DESIGN  
**The Lighting Practice**  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 610.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
**DataBase+**  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.916.0557  
www.databasedplus.com

DATE:	DESCRIPTION:

FRANCIS J. MYERS RECREATION CENTER  
SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	1/8" = 1'-0"
FORMAT:	30" X 42"
DRAWN:	
CHECKED:	BM / MG
DATE:	4/7/2023

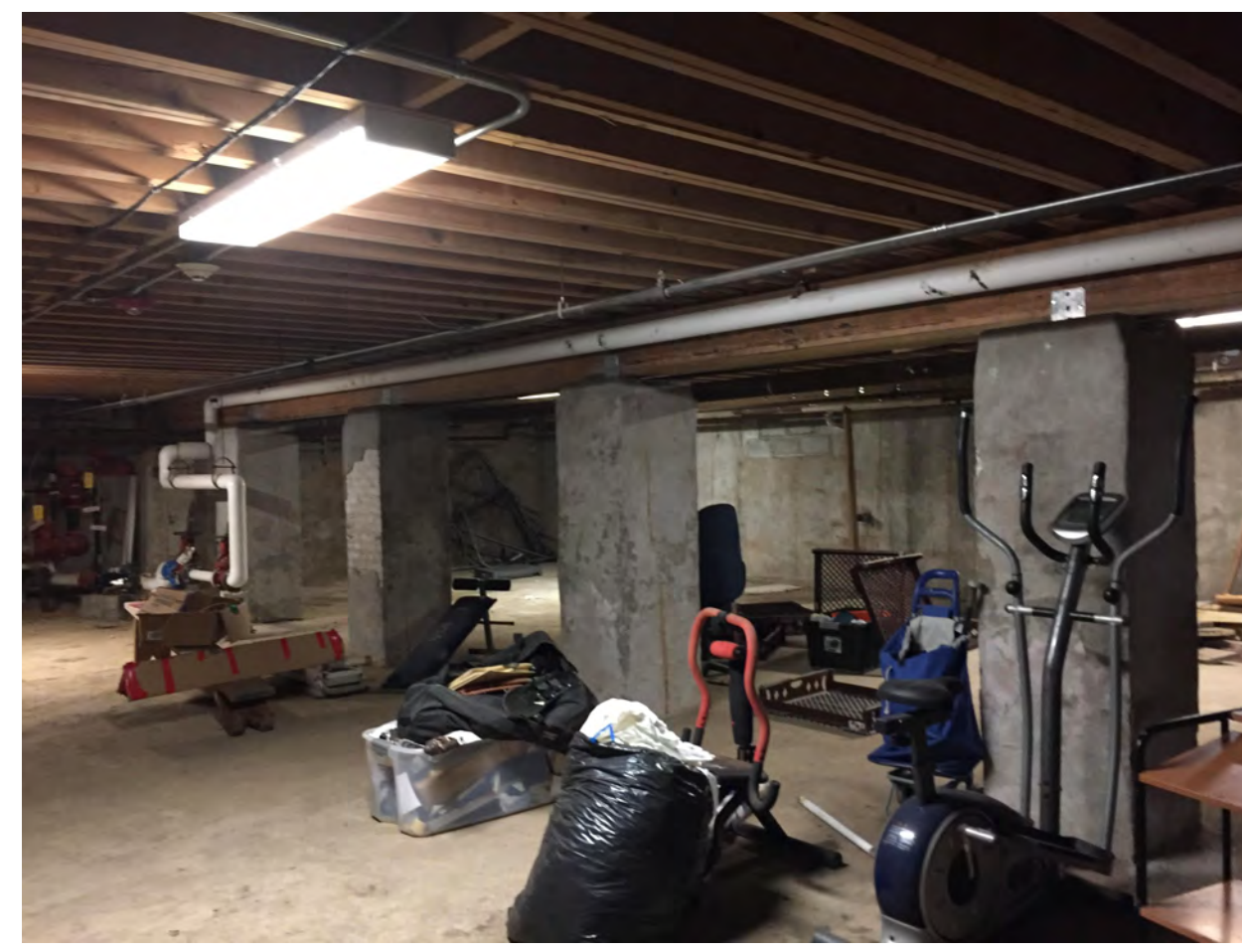
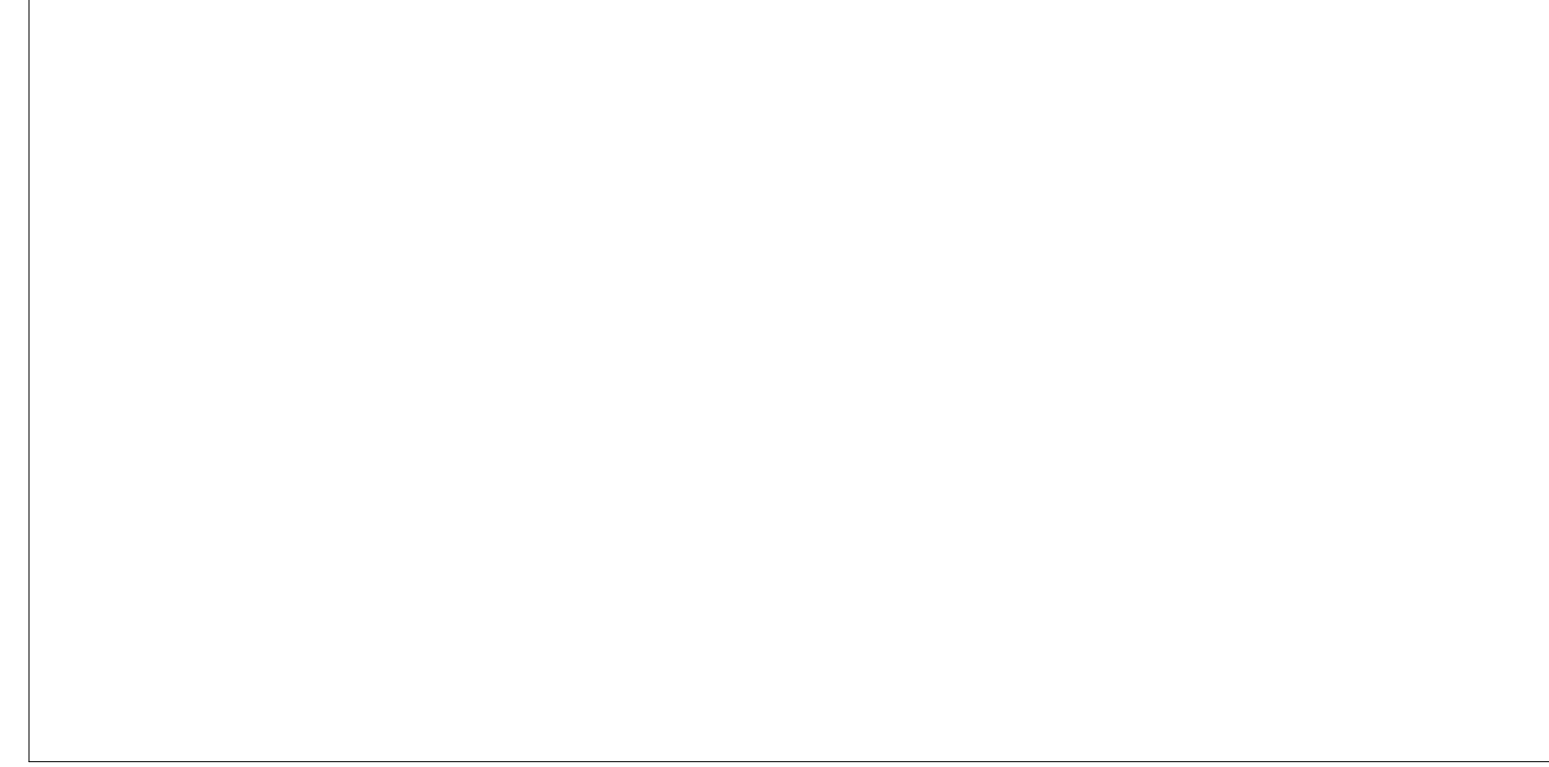
SHEET NAME:  
**ARCHITECTURAL CONTROL PLAN - LEVEL 1 ADDITION**

SHEET NUMBER:  
**AC100**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



APPROVAL STAMP AREA



EXISTING REC BUILDING BASEMENT



EXISTING REC BUILDING BASEMENT (CERAMICS ROOM)

DEMOLITION ELEVATION LEGEND

- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO BE REPAIRED
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING DOOR AND FRAME TO BE DEMOLISHED

GENERAL DEMOLITION NOTES

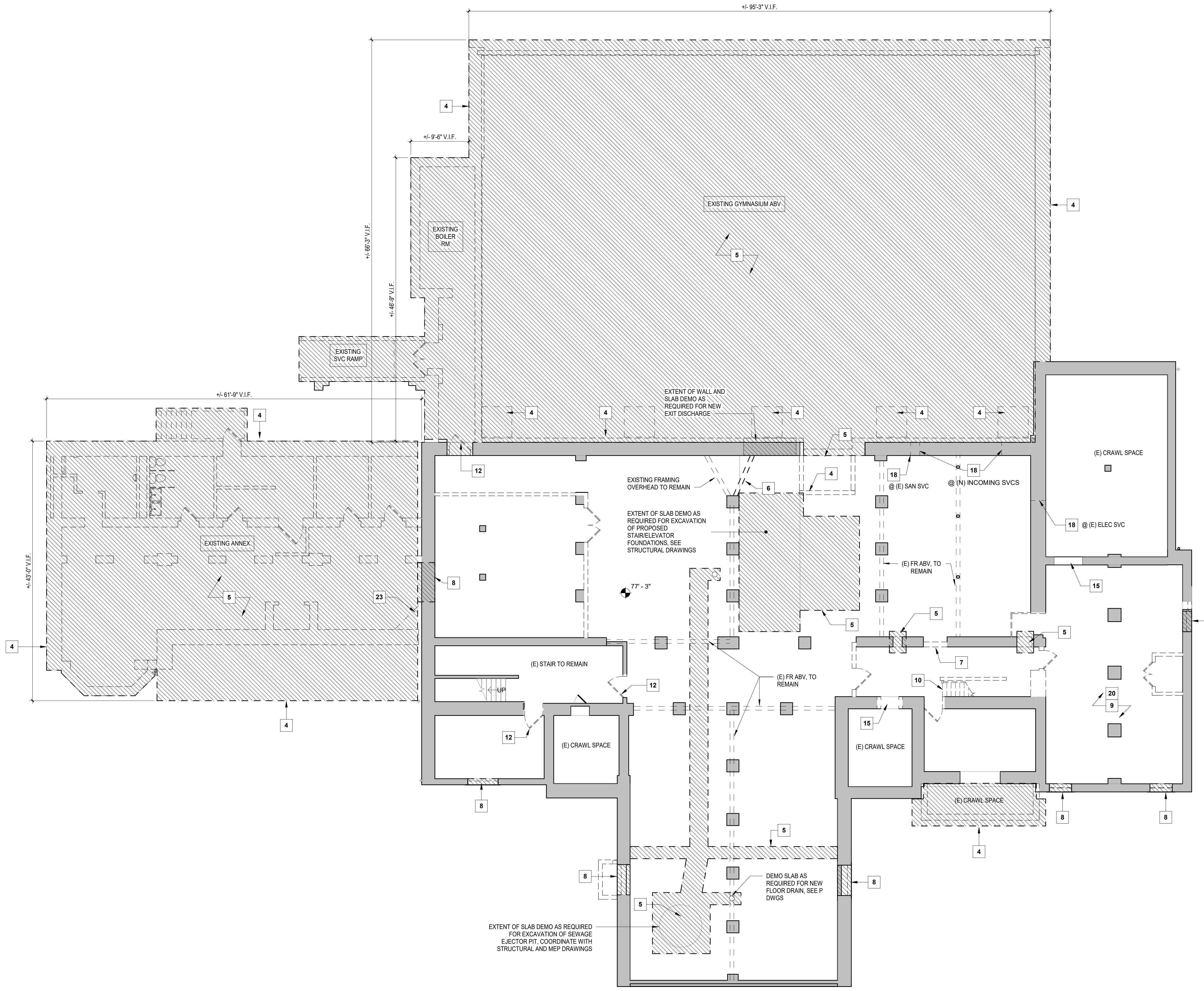
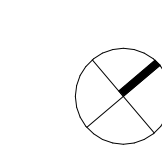
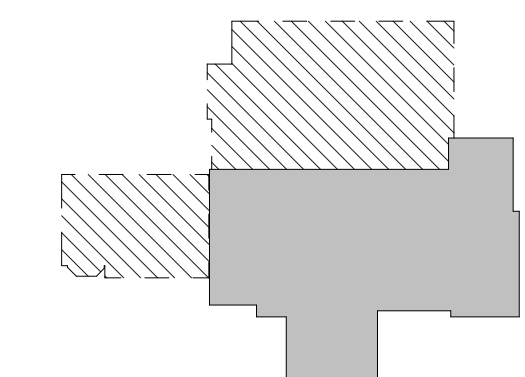
1. DEMOLITION WORK INDICATED ON THE DRAWINGS IS INTENDED TO BE A GENERAL REPRESENTATION OF THE PROJECT SCOPE, AND IS NOT INTENDED TO BE A COMPLETE REPRESENTATION OF ALL SELECTIVE DEMOLITION WORK REQUIRED FOR THE PROJECT. INCIDENTAL WORK WHICH MAY BE NECESSARY TO ACCOMPLISH THE PROJECT MAY NOT BE EXPLICITLY SHOWN, BUT IS A PART OF THE CONTRACT.
2. EXERCISE EXTREME CARE IN DEMOLITION AROUND EXISTING CONSTRUCTION TO REMAIN. ANY DAMAGE TO EXISTING CONSTRUCTION CAUSED BY DEMOLITION OPERATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. REPAIR OF THIS DAMAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. COORDINATE TEMPORARY SERVICE INTERRUPTIONS WITH THE OWNER AS INDICATED IN THE BASIS OF DESIGN DOCUMENT.
4. REMOVE ALL CONSTRUCTION AS INDICATED. REMOVE ALL MATERIALS IN A SAFE WORKMANLIKE MANNER AND DISPOSE OF PER ALL APPLICABLE CODES & SAFETY REQUIREMENTS.
5. REFER TO THE ENVIRONMENTAL SPECIFICATIONS, AS WELL AS SECTION 024116 FOR ALL POTENTIAL ABATEMENT REQUIREMENTS.
6. UNFORSEEN OR UNUSUAL CONDITIONS REVEALED BY DEMOLITION ACTIVITIES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT.
7. REFER TO ELEVATIONS ON A310 AND A311 FOR PROPOSED SCOPE OF (E) FACADE REPAIR & RESTORATION WORK. REFER TO NOTE 1 ABOVE.
8. REMOVE ALL EXISTING INTERIOR NON-LOADBEARING WALLS U.N.O.; STAIR SHAFT ENCLOSURES TO REMAIN U.N.O.
9. REMOVE ALL EXISTING SPRINKLERS & ASSOCIATED PIPING. SEE PLUMBING AND FIRE PROTECTION DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
10. REMOVE ALL EXISTING PLUMBING FIXTURES & ASSOCIATED PIPING, INCLUDING BUT NOT LIMITED TO SINKS, WATER CLOSETS, URINALS, SHOWER & TUBS. SEE PLUMBING DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
11. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, WIRING, CONDUIT & LIGHTING FIXTURES. RETURN ALL EXISTING CAMERA SYSTEMS TO OWNER; RETURN ALL FUNCTIONAL HVAC UNITS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN SEE ELECTRICAL DRAWINGS.
12. REMOVE ALL EXISTING MECHANICAL DUCTWORK AND EQUIPMENT U.N.O. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN. SEE MECHANICAL DRAWINGS.
13. DEMOLISH EXISTING FLOORING, CEILING, SOFFITS, AND ALL CEILING COMPONENTS, U.N.O.
14. REMOVE ALL FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS.
15. REMOVE ALL INTERIOR COLUMN ENCLOSURES. EXISTING STRUCTURE TO REMAIN.
16. REMOVE FINISH MATERIALS BACK TO LOAD BEARING STRUCTURE, U.N.O.

KEYED DEMOLITION NOTES

1. DEMOLISH EXISTING EXTERIOR WALL. SHORE AS REQUIRED. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR OPENINGS OR FINISHES. SALVAGE EXTERIOR GRANITE FOR REUSE TO THE EXTENT SHOWN ON NEW WORK ELEVATIONS.
2. DEMOLISH EXISTING EXTERIOR SLAB AND STEPS BACK TO EXISTING EXTERIOR FOUNDATION.
3. DEMOLISH EXISTING ENTRY PORCH, STAIR AND RAILINGS. REMOVE EXISTING ROOF FLASHINGS AND TRIMS. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR FINISHES.
4. DEMOLISH PORTION OF EXISTING FOUNDATION AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
5. DEMOLISH EXISTING FLOOR AND FRAMING OR SLAB AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
6. REMOVE EXISTING BEAM. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
7. SHORE EXISTING STRUCTURE BEFORE REMOVING EXISTING INTERIOR WALLS. SEE STRUCTURAL DRAWINGS. COORDINATE SIZE OF NEW OPNG WITH NEW WORK FLOOR PLANS. PROVIDE NEW LINTELS AS REQ'D PER STRUCT DWGS.
8. DEMOLISH EXISTING INFILLED OPENING AND PREPARE OPENING TO RECEIVE NEW EXTERIOR WALL ASSEMBLY OR PENING.
9. DEMOLISH EXISTING INTERIOR FURRING PARTITION BACK TO INTERIOR SURFACE OF EXISTING EXTERIOR WALL TO REMAIN. PREPARE SURFACE TO RECEIVE NEW CONSTRUCTION.
10. DEMOLISH EXISTING STAIR AND HANDRAILS. REFER TO NEW WORK PLANS FOR STRUCTURAL AND ARCHITECTURAL PREPERATION AND INFILL REQUIREMENTS.
11. REMOVE ALL EXISTING WINDOWS, FRAMES, SECURITY SCREENS, BLOCKING AND PREVIOUS INFILL CONSTRUCTION THROUGHOUT.
12. DEMOLISH EXISTING DOOR AND FRAME. PREP EXPOSED ADJACENT CONSTRUCTION FOR INFILL OR REPLACEMENT DOOR PER ARCHITECTURAL PLANS, INCLUDING NEW LINTELS OR INFILL CONSTRUCTION AS REQ'D.
13. DEMOLISH EXISTING HVAC EQUIPMENT; RETURN ANY SALVAGEABLE EQUIPMENT TO OWNER.
14. DEMOLISH EXISTING GUTTER, DOWNSPOUT, AND/OR CLEAN OUT CONNECTION.
15. DEMOLISH PORTION OF EXISTING WALL AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED.
16. DEMOLISH EXISTING ROOFING TO DECKING.
17. DEMOLISH PARTITIONS ADJACENT TO EXISTING FIREPLACE AND SHAFT AND ENCAPSULATE WITH NEW CONSTRUCTION.
18. REMOVE EXISTING PLUMBING FIXTURES AND ALL PIPING. SEE PLUMBING DEMO DRAWINGS.
19. REMOVE EXISTING EXTERIOR DEVICES AND CONDUIT. SEE ELECTRICAL DEMO DRAWINGS.
20. DEMOLISH EXISTING CEILING, SOFFIT, AND ANY CONCEALED DUCTWORK.
21. DEMOLISH EXISTING FLOOR FINISH AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION.
22. EXISTING STRUCTURAL COLUMN OR POST TO REMAIN.
23. DEMOLISH EXISTING CHIMNEY.
24. PRESERVE AND PROTECT EXISTING MURAL / ARTWORK.

DEMO KEY PLAN

- EXISTING TO REMAIN
- DEMOLISH



1 DEMOLITION PLAN - BASEMENT  
AD120 1/8" = 1'-0"



CLIENT  
REBUILD  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
CITY OF PHILADELPHIA  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
DIGSAU  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
Ground Reconsidered  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

MEP/FP ENGINEER  
dbHMS  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 287.217.1612

LIGHTING DESIGN  
The Lighting Practice  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.338.1644

COST ESTIMATING  
Dharam Consulting  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 610.554.6560

ENVIRONMENTAL CONSULTANT  
Brightfields, Inc.  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
DataBase+  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.15.0557  
www.databasaplus.com

DATE:	DESCRIPTION:

FRANCIS J. MYERS RECREATION CENTER  
SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	DG / SC
CHECKED:	BM / MG
DATE:	4/7/2023

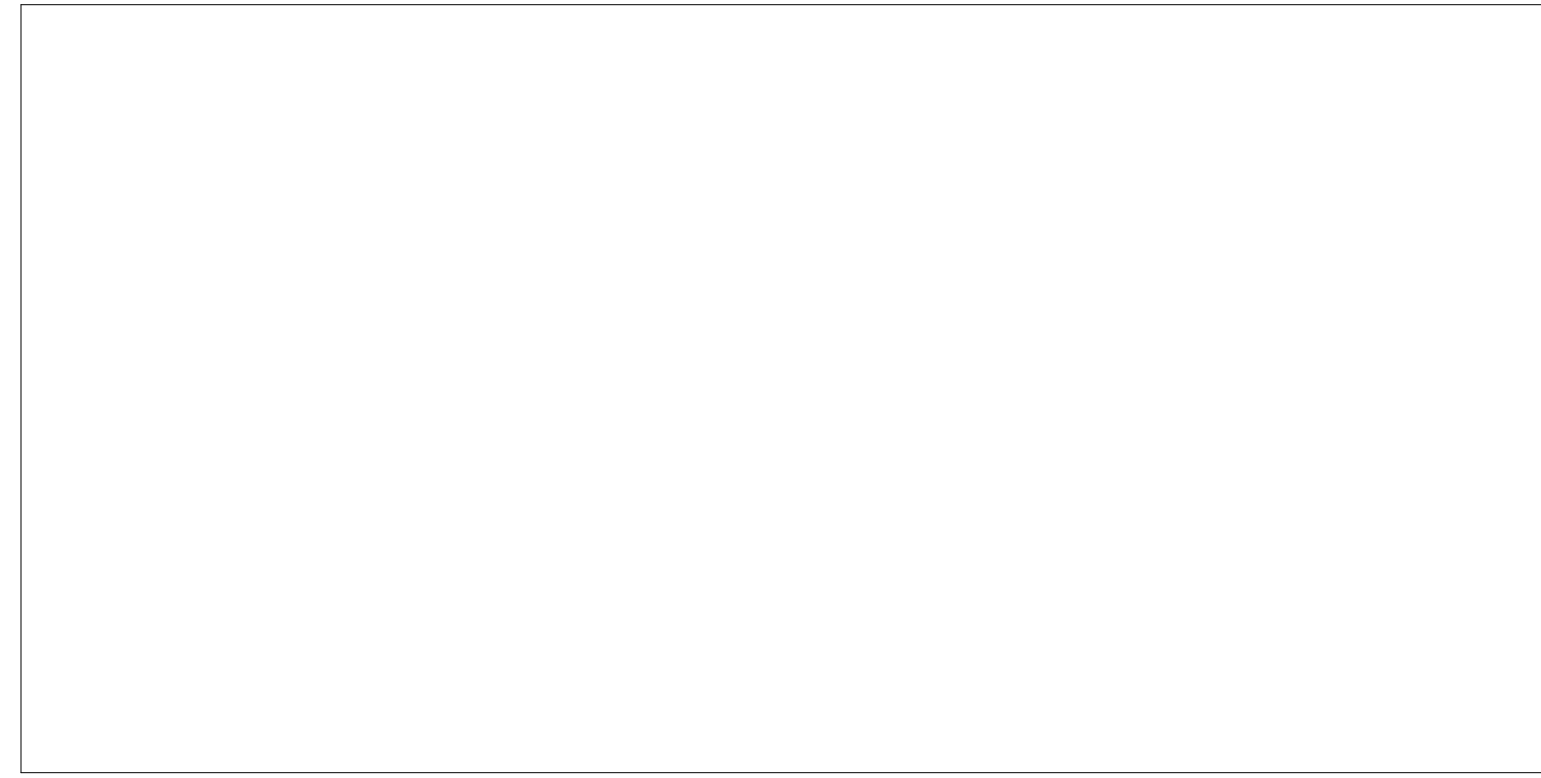
SHEET NAME:  
DEMOLITION PLAN -  
BASEMENT

SHEET NUMBER:  
AD120

PROJECT PHASE:  
CONSTRUCTION DOCUMENTS



APPROVAL STAMP AREA



DEMOLITION ELEVATION LEGEND

- EXISTING CONSTRUCTION TO BE DEMOLISHED
- ▨ EXISTING CONSTRUCTION TO BE DEMOLISHED
- ▩ EXISTING CONSTRUCTION TO BE REPAIRED
- ▭ EXISTING CONSTRUCTION TO REMAIN
- EXISTING DOOR AND FRAME TO BE DEMOLISHED

GENERAL DEMOLITION NOTES

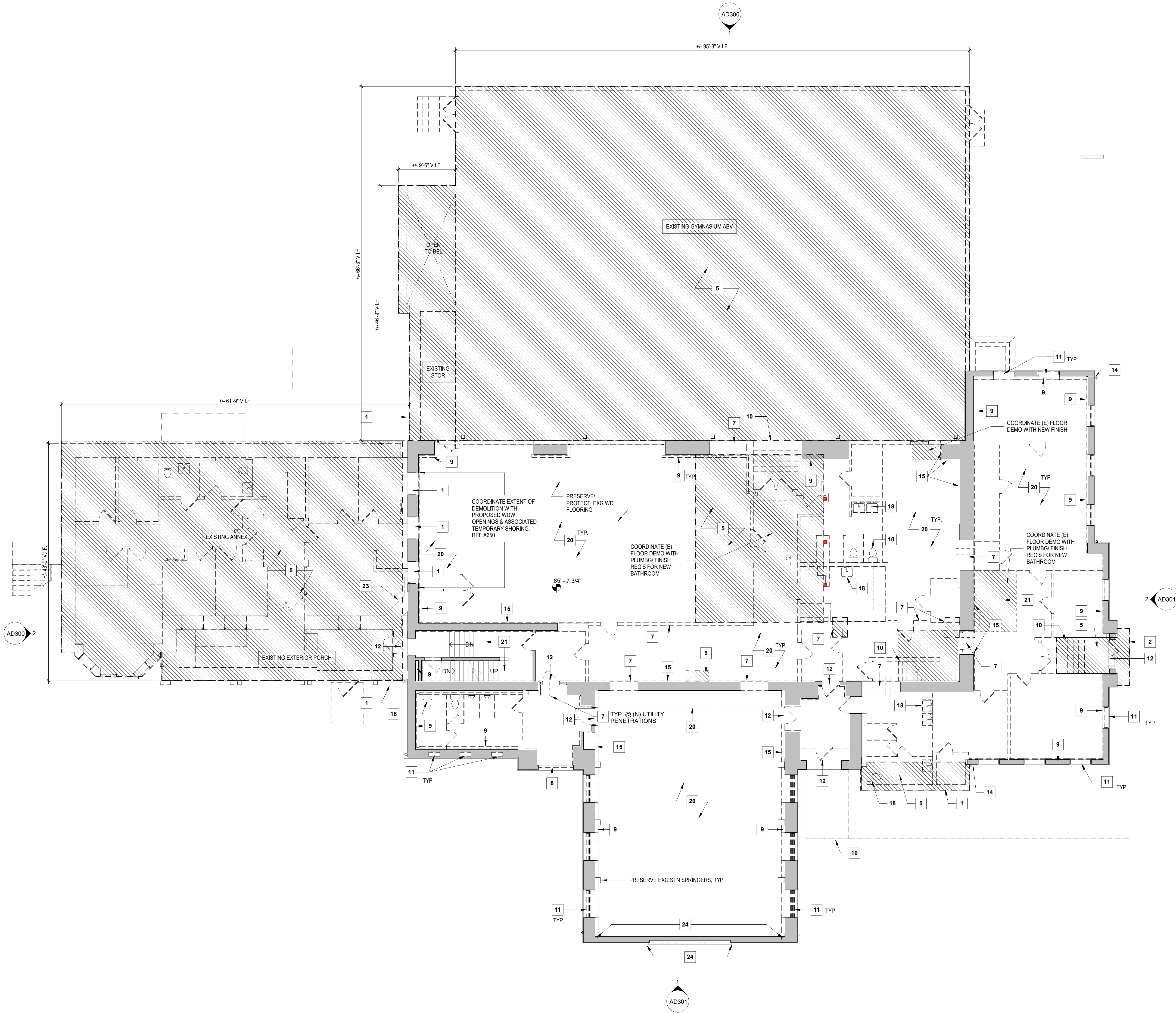
1. DEMOLITION WORK INDICATED ON THE DRAWINGS IS INTENDED TO BE A GENERAL REPRESENTATION OF THE PROJECT SCOPE, AND IS NOT INTENDED TO BE A COMPLETE REPRESENTATION OF ALL SELECTIVE DEMOLITION WORK REQUIRED FOR THE PROJECT. INCIDENTAL WORK WHICH MAY BE NECESSARY TO ACCOMPLISH THE PROJECT MAY NOT BE EXPLICITLY SHOWN, BUT IS A PART OF THE CONTRACT.
2. EXERCISE EXTREME CARE IN DEMOLITION AROUND EXISTING CONSTRUCTION TO REMAIN. ANY DAMAGE TO EXISTING CONSTRUCTION CAUSED BY DEMOLITION OPERATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. REPAIR OF THIS DAMAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. COORDINATE TEMPORARY SERVICE INTERRUPTIONS WITH THE OWNER AS INDICATED IN THE BASIS OF DESIGN DOCUMENT.
4. REMOVE ALL CONSTRUCTION AS INDICATED. REMOVE ALL MATERIALS IN A SAFE WORKMANLIKE MANNER AND DISPOSE OF PER ALL APPLICABLE CODES & SAFETY REQUIREMENTS.
5. REFER TO THE ENVIRONMENTAL SPECIFICATIONS, AS WELL AS SECTION 024116 FOR ALL POTENTIAL ABATEMENT REQUIREMENTS.
6. UNFORSEEN OR UNUSUAL CONDITIONS REVEALED BY DEMOLITION ACTIVITIES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT.
7. REFER TO ELEVATIONS ON A310 AND A311 FOR PROPOSED SCOPE OF (E) FACADE REPAIR & RESTORATION WORK. REFER TO NOTE 1 ABOVE.
8. REMOVE ALL EXISTING INTERIOR NON-LOADBEARING WALLS U.N.O.; STAIR SHAFT ENCLOSURES TO REMAIN U.N.O.
9. REMOVE ALL EXISTING SPRINKLERS & ASSOCIATED PIPING. SEE PLUMBING AND FIRE PROTECTION DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
10. REMOVE ALL EXISTING PLUMBING FIXTURES & ASSOCIATED PIPING, INCLUDING BUT NOT LIMITED TO SINKS, WATER CLOSETS, URINALS, SHOWER & TUBS. SEE PLUMBING DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
11. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, WIRING, CONDUIT & LIGHTING FIXTURES. RETURN ALL EXISTING CAMERA SYSTEMS TO OWNER; RETURN ALL FUNCTIONAL HVAC UNITS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN SEE ELECTRICAL DRAWINGS.
12. REMOVE ALL EXISTING MECHANICAL DUCTWORK AND EQUIPMENT U.N.O. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN. SEE MECHANICAL DRAWINGS.
13. DEMOLISH EXISTING FLOORING, CEILINGS, SOFFITS, AND ALL CEILING COMPONENTS, U.N.O.
14. REMOVE ALL FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS.
15. REMOVE ALL INTERIOR COLUMN ENCLOSURES. EXISTING STRUCTURE TO REMAIN.
16. REMOVE FINISH MATERIALS BACK TO LOAD BEARING STRUCTURE, U.N.O.

KEYED DEMOLITION NOTES

1. DEMOLISH EXISTING EXTERIOR WALL. SHORE AS REQUIRED. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR OPENINGS OR FINISHES. SALVAGE EXTERIOR GRANITE FOR REUSE TO THE EXTENT SHOWN ON NEW WORK ELEVATIONS.
2. DEMOLISH EXISTING EXTERIOR SLAB AND STEPS BACK TO EXISTING EXTERIOR FOUNDATION.
3. DEMOLISH EXISTING ENTRY PORCH, STAIR AND RAILINGS. REMOVE EXISTING ROOF FLASHINGS AND TIE-INS. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR FINISHES.
4. DEMOLISH PORTION OF EXISTING FOUNDATION AND PREP ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED. SEE STRUCTURAL DRAWINGS.
5. DEMOLISH EXISTING FLOOR AND FRAMING OR SLAB AND PREP ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION. SHORE AS REQUIRED. SEE STRUCTURAL DRAWINGS.
6. REMOVE EXISTING BEAM. SHORE AS REQUIRED. SEE STRUCTURAL DRAWINGS.
7. SHORE EXISTING STRUCTURE BEFORE REMOVING EXISTING INTERIOR WALLS. SEE STRUCTURAL DRAWINGS. COORDINATE SIZE OF NEW OPNG WITH NEW WORK FLOOR PLANS. PROVIDE NEW LINETS AS REQ'D PER STRUCT DWGS.
8. DEMOLISH EXISTING INFILLED OPENING AND PREP OPENING TO RECEIVE NEW EXTERIOR WALL ASSEMBLY OR OPENING.
9. DEMOLISH EXISTING INTERIOR FURRING PARTITION BACK TO INTERIOR SURFACE OF EXISTING EXTERIOR WALL TO REMAIN. PREP SURFACE TO RECEIVE NEW CONSTRUCTION.
10. DEMOLISH EXISTING STAIR AND HANDRAILS. REFER TO NEW WORK PLANS FOR STRUCTURAL AND ARCHITECTURAL PREPARATION AND INFILL REQUIREMENTS.
11. REMOVE ALL EXISTING WINDOWS, FRAMES, SECURITY SCREENS, BLOCKING AND PREVIOUS INFILL CONSTRUCTION THROUGHOUT. EXISTING STONE SILLS AND HEADERS TO REMAIN.
12. DEMOLISH EXISTING DOOR AND FRAME. PREP EXPOSED ADJACENT CONSTRUCTION FOR INFILL OR REPLACEMENT DOOR PER ARCHITECTURAL PLANS, INCLUDING NEW LINETS OR INFILL CONSTRUCTION AS REQ'D.
13. DEMOLISH EXISTING HVAC EQUIPMENT; RETURN ANY SALVAGEABLE EQUIPMENT TO OWNER.
14. DEMOLISH EXISTING GUTTER, DOWNSPOUT, AND/OR CLEAN OUT CONNECTION.
15. DEMOLISH PORTION OF EXISTING WALL AND PREP ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED.
16. DEMOLISH EXISTING ROOFING TO DECKING.
17. DEMOLISH PARTITIONS ADJACENT TO EXISTING FIREPLACE AND SHAFT AND ENCAPSULATE WITH NEW CONSTRUCTION.
18. REMOVE EXISTING PLUMBING FIXTURES AND ALL PIPING. SEE PLUMBING DEMO DRAWINGS.
19. REMOVE EXISTING EXTERIOR DEVICES AND CONDUIT. SEE ELECTRICAL DEMO DRAWINGS.
20. DEMOLISH EXISTING CEILING, SOFFIT, AND ANY CONCEALED DUCTWORK.
21. DEMOLISH EXISTING FLOOR FINISH AND PREP ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION.
22. EXISTING STRUCTURAL COLUMN OR POST TO REMAIN.
23. DEMOLISH EXISTING CHIMNEY.
24. PRESERVE AND PROTECT EXISTING MURAL / ARTWORK.

DEMO KEY PLAN

- ▭ EXISTING TO REMAIN
- ▨ DEMOLISH



DIGSAU

CLIENT  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

OWNER  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

ARCHITECT  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

CIVIL ENGINEER  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

STRUCTURAL ENGINEER  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

LANDSCAPE ARCHITECT  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

MEP/FP ENGINEER  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.1612

LIGHTING DESIGN  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

COST ESTIMATING  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 610.554.6560

ENVIRONMENTAL CONSULTANT  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

LEED CONSULTANT  
**Database+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.15.0557  
 www.databaseplus.com

DATE:	DESCRIPTION:

FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave  
 Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	DG / SC
CHECKED:	BM / MG
DATE:	4/7/2023

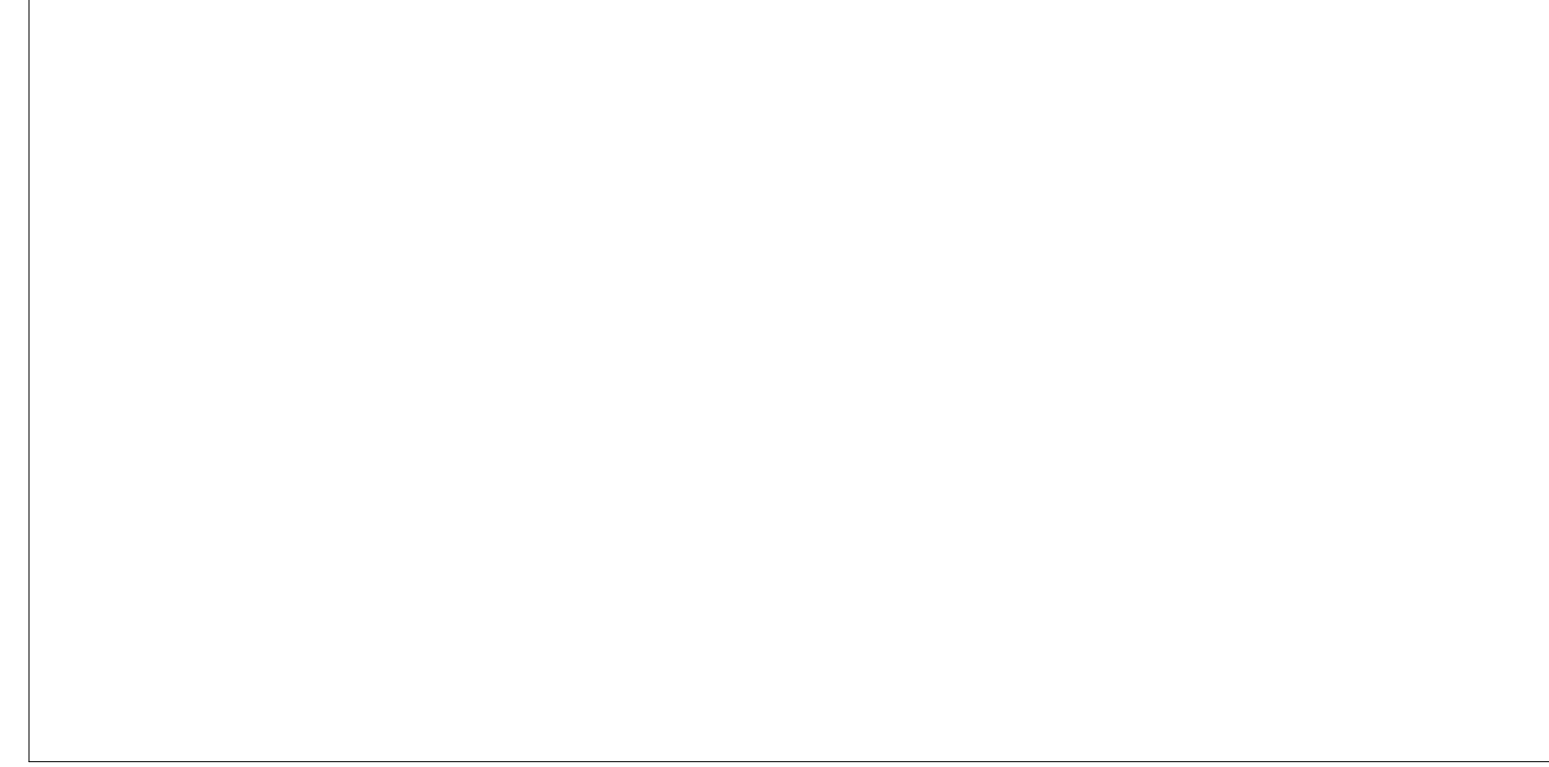
SHEET NAME: DEMOLITION PLAN - LEVEL 1

SHEET NUMBER: AD121

PROJECT PHASE: CONSTRUCTION DOCUMENTS



APPROVAL STAMP AREA



**DEMOLITION ELEVATION LEGEND**

- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO BE REPAIRED
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING DOOR AND FRAME TO BE DEMOLISHED

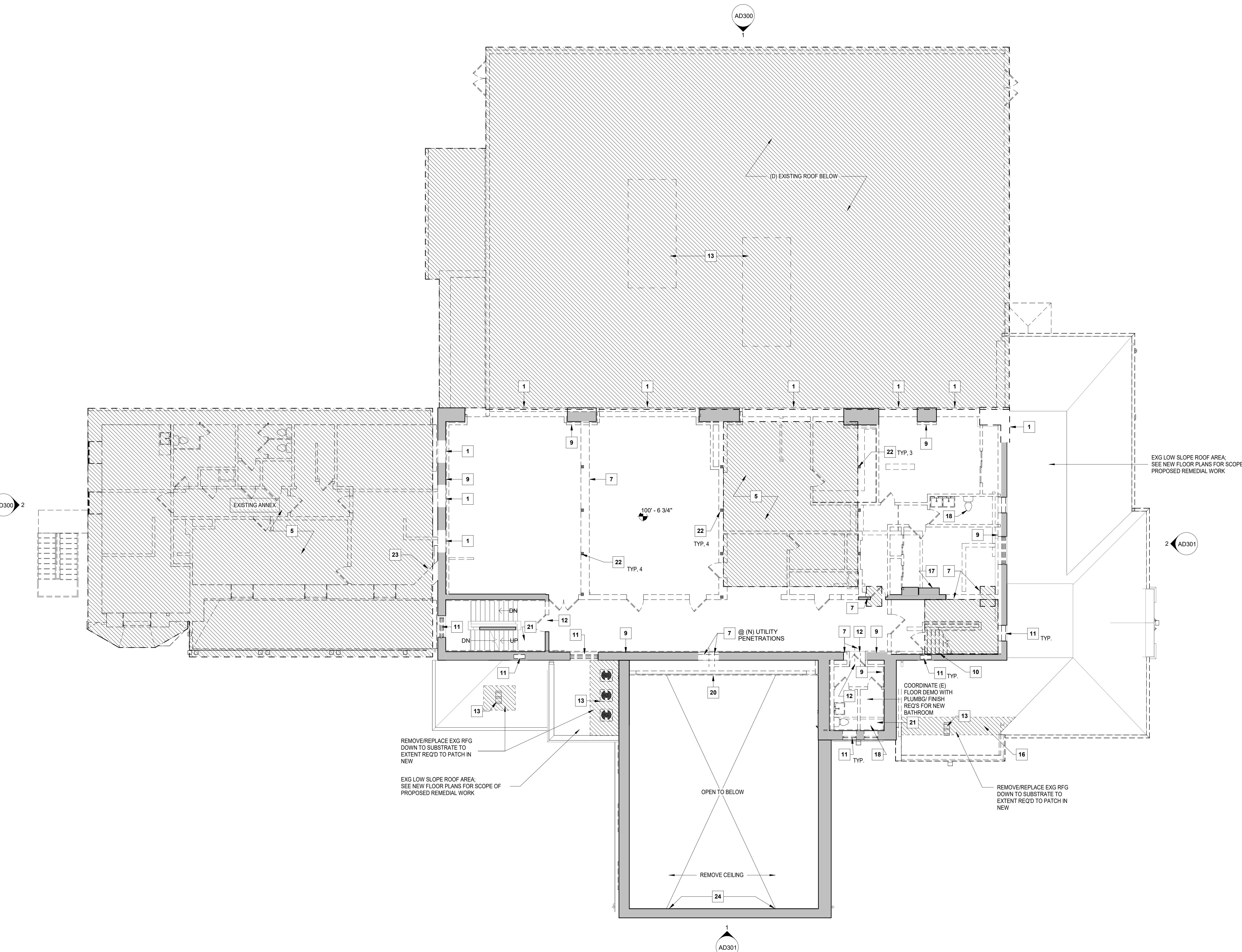
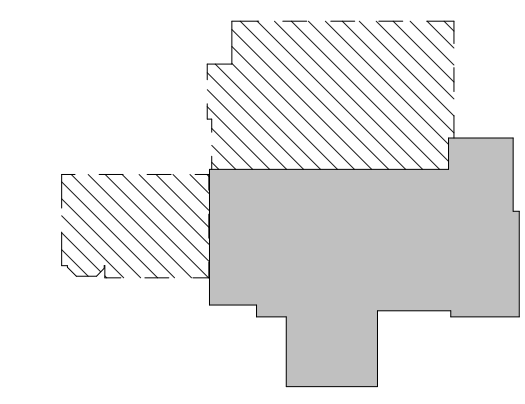
**GENERAL DEMOLITION NOTES**

1. DEMOLITION WORK INDICATED ON THE DRAWINGS IS INTENDED TO BE A GENERAL REPRESENTATION OF THE PROJECT SCOPE, AND IS NOT INTENDED TO BE A COMPLETE REPRESENTATION OF ALL SELECTIVE DEMOLITION WORK REQUIRED FOR THE PROJECT. INCIDENTAL WORK WHICH MAY BE NECESSARY TO ACCOMPLISH THE PROJECT MAY NOT BE EXPLICITLY SHOWN, BUT IS A PART OF THE CONTRACT.
2. EXERCISE EXTREME CARE IN DEMOLITION AROUND EXISTING CONSTRUCTION TO REMAIN. ANY DAMAGE TO EXISTING CONSTRUCTION CAUSED BY DEMOLITION OPERATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. REPAIR OF THIS DAMAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. COORDINATE TEMPORARY SERVICE INTERRUPTIONS WITH THE OWNER AS INDICATED IN THE BASIS OF DESIGN DOCUMENT.
4. REMOVE ALL CONSTRUCTION AS INDICATED. REMOVE ALL MATERIALS IN A SAFE WORKMANLIKE MANNER AND DISPOSE OF PER ALL APPLICABLE CODES & SAFETY REQUIREMENTS.
5. REFER TO THE ENVIRONMENTAL SPECIFICATIONS, AS WELL AS SECTION 024116 FOR ALL POTENTIAL ABATEMENT REQUIREMENTS.
6. UNFORSEEN OR UNUSUAL CONDITIONS REVEALED BY DEMOLITION ACTIVITIES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT.
7. REFER TO ELEVATIONS ON A310 AND A311 FOR PROPOSED SCOPE OF (E) FACADE REPAIR & RESTORATION WORK. REFER TO NOTE 1 ABOVE.
8. REMOVE ALL EXISTING INTERIOR NON-LOADBEARING WALLS U.N.O.; STAIR SHAFT ENCLOSURES TO REMAIN U.N.O.
9. REMOVE ALL EXISTING SPRINKLERS & ASSOCIATED PIPING. SEE PLUMBING AND FIRE PROTECTION DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
10. REMOVE ALL EXISTING PLUMBING FIXTURES & ASSOCIATED PIPING, INCLUDING BUT NOT LIMITED TO SINKS, WATER CLOSETS, URINALS, SHOWER & TUBS. SEE PLUMBING DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
11. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, WIRING, CONDUIT & LIGHTING FIXTURES. RETURN ALL EXISTING CAMERA SYSTEMS TO OWNER; RETURN ALL FUNCTIONAL HVAC UNITS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN SEE ELECTRICAL DRAWINGS.
12. REMOVE ALL EXISTING MECHANICAL DUCTWORK AND EQUIPMENT U.N.O. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN. SEE MECHANICAL DRAWINGS.
13. DEMOLISH EXISTING FLOORING, CEILING, SOFFITS, AND ALL CEILING COMPONENTS, U.N.O.
14. REMOVE ALL FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS.
15. REMOVE ALL INTERIOR COLUMN ENCLOSURES. EXISTING STRUCTURE TO REMAIN.
16. REMOVE FINISH MATERIALS BACK TO LOAD BEARING STRUCTURE, U.N.O.

**KEYED DEMOLITION NOTES**

1. DEMOLISH EXISTING EXTERIOR WALL. SHORE AS REQUIRED. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR OPENINGS OR FINISHES. SALVAGE EXTERIOR GRANITE FOR REUSE TO THE EXTENT SHOWN ON NEW WORK ELEVATIONS.
2. DEMOLISH EXISTING EXTERIOR SLAB AND STEPS BACK TO EXISTING EXTERIOR FOUNDATION.
3. DEMOLISH EXISTING ENTRY PORCH, STAIR AND RAILINGS. REMOVE EXISTING ROOF FLASHINGS AND TIE-INS. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR FINISHES.
4. DEMOLISH PORTION OF EXISTING FOUNDATION AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED. SEE STRUCTURAL DRAWINGS.
5. DEMOLISH EXISTING FLOOR AND FRAMING OR SLAB AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION. SHORE AS REQUIRED. SEE STRUCTURAL DRAWINGS.
6. REMOVE EXISTING BEAM. SHORE AS REQUIRED. SEE STRUCTURAL DRAWINGS.
7. SHORE EXISTING STRUCTURE BEFORE REMOVING EXISTING INTERIOR WALLS. SEE STRUCTURAL DRAWINGS. COORDINATE SIZE OF NEW OPNG WITH NEW WORK FLOOR PLANS. PROVIDE NEW LINTELS AS REQ'D PER STRUCT DWGS.
8. DEMOLISH EXISTING INFILL OPENING AND PREPARE OPENING TO RECEIVE NEW EXTERIOR WALL ASSEMBLY OR OPENING.
9. DEMOLISH EXISTING INTERIOR FURRING PARTITION BACK TO INTERIOR SURFACE OF EXISTING EXTERIOR WALL TO REMAIN. PREPARE SURFACE TO RECEIVE NEW CONSTRUCTION.
10. DEMOLISH EXISTING STAIR AND HANDRAILS. REFER TO NEW WORK PLANS FOR STRUCTURAL AND ARCHITECTURAL PREPERATION AND INFILL REQUIREMENTS.
11. REMOVE ALL EXISTING WINDOWS, FRAMES, SECURITY SCREENS, BLOCKING AND PREVIOUS INFILL CONSTRUCTION THROUGHOUT. EXISTING STONE SILLS AND HEADERS TO REMAIN.
12. DEMOLISH EXISTING DOOR AND FRAME. PREP EXPOSED ADJACENT CONSTRUCTION FOR INFILL OR REPLACEMENT DOOR PER ARCHITECTURAL PLANS, INCLUDING NEW LINTELS OR INFILL CONSTRUCTION AS REQ'D.
13. DEMOLISH EXISTING HVAC EQUIPMENT; RETURN ANY SALVAGEABLE EQUIPMENT TO OWNER.
14. DEMOLISH EXISTING GUTTER, DOWNSPOUT, AND/OR CLEAN OUT CONNECTION.
15. DEMOLISH PORTION OF EXISTING WALL AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED.
16. DEMOLISH EXISTING ROOFING TO DECKING.
17. DEMOLISH PARTITIONS ADJACENT TO EXISTING FIREPLACE AND SHAFT AND ENCAPSULATE WITH NEW CONSTRUCTION.
18. REMOVE EXISTING PLUMBING FIXTURES AND ALL PIPING. SEE PLUMBING DEMO DRAWINGS.
19. REMOVE EXISTING EXTERIOR DEVICES AND CONDUIT. SEE ELECTRICAL DEMO DRAWINGS.
20. DEMOLISH EXISTING CEILING, SOFFIT, AND ANY CONCEALED DUCTWORK.
21. DEMOLISH EXISTING FLOOR FINISH AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION.
22. EXISTING STRUCTURAL COLUMN OR POST TO REMAIN.
23. DEMOLISH EXISTING CHIMNEY.
24. PRESERVE AND PROTECT EXISTING MURAL / ARTWORK.

DEMOLITION KEY PLAN  
  
 ■ EXISTING TO REMAIN  
 ▨ DEMOLISH



1 DEMOLITION PLAN - LEVEL 2  
 AD122 1/8" = 1'-0"



**CLIENT**  
**REBUILD**  
 1515 Arch Street  
 Mezzanine Level  
 Philadelphia, PA 19104

**OWNER**  
**CITY OF PHILADELPHIA**  
 Department of Parks and Recreation  
 1515 Arch Street, 10th Floor  
 Philadelphia, PA 19102

**ARCHITECT**  
**DIGSAU**  
 340 North 12th Street, Suite 421  
 Philadelphia, PA 19107  
 v 215.627.0808  
 www.digsau.com

**CIVIL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**STRUCTURAL ENGINEER**  
**David Mason & Associates**  
 123 S. Broad St  
 Suite 1130  
 Philadelphia, PA 19109  
 www.davidmason.com  
 v 215.375.6059

**LANDSCAPE ARCHITECT**  
**Ground Reconsidered**  
 230 South Broad Street  
 Suite 604  
 Philadelphia, PA 19102  
 v 215.790.0727  
 www.groundreconsidered.com

**MEP/FP ENGINEER**  
**dbHMS**  
 1500 Walnut St  
 Suite 1910  
 Philadelphia, PA 19102  
 v 267.217.1612

**LIGHTING DESIGN**  
**The Lighting Practice**  
 600 Chestnut Street  
 Suite 772  
 Philadelphia, PA 19106  
 v 215.238.1644

**COST ESTIMATING**  
**Dharam Consulting**  
 1719 Chestnut Street  
 Suite 300  
 Philadelphia, PA 19103  
 v 810.554.6560

**ENVIRONMENTAL CONSULTANT**  
**Brightfields, Inc.**  
 801 Industrial Street  
 Wilmington, DE 19801  
 v 302.656.9600  
 www.brightfields.com

**LEED CONSULTANT**  
**Database+**  
 303 W Erie Street, Suite 510  
 Chicago, IL 60654  
 v 312.15.0557  
 www.databaseplus.com

DATE:	DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave  
 Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	DG / SC
CHECKED:	BM / MG
DATE:	4/7/2023

**SHEET NAME:**  
**DEMOLITION PLAN - LEVEL 2**

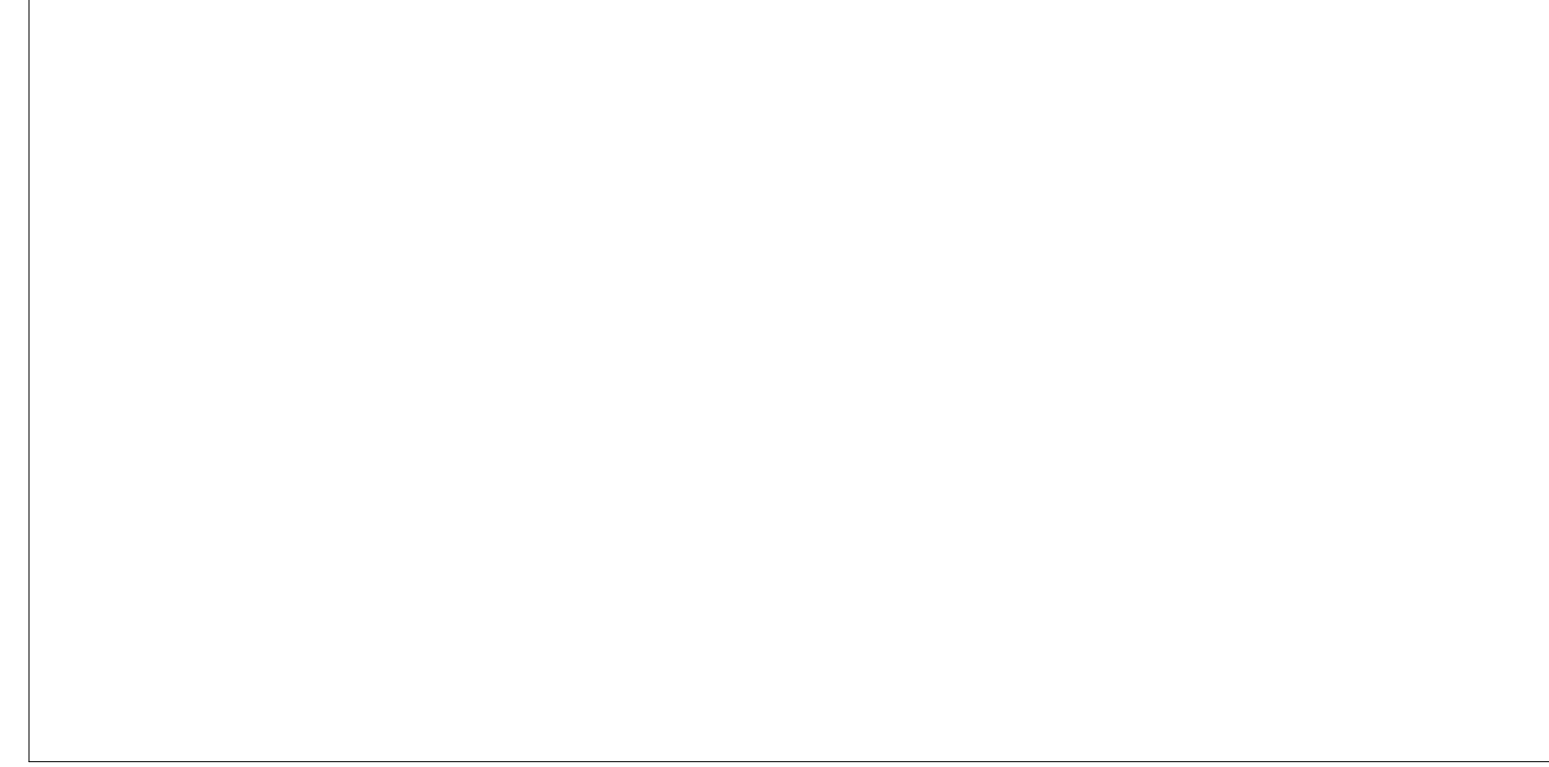
**SHEET NUMBER:**  
**AD122**

**PROJECT PHASE:**  
**CONSTRUCTION DOCUMENTS**

Revis version 2023.1 | C:\Users\jmyers\Documents\2020\_Francis J Myers\_100CD\_Central R2022\_v2\_Imvovigh\VD\GMV.rvt  
 2020 Francis J Myers Title Block version 2022.09.14 | Printed: 4/28/2023 4:16:42 PM



APPROVAL STAMP AREA



EXISTING LEVEL 3 AND ATTIC (REC BUILDING)

- (E) VENTILATED ATTIC
- (E) PLASTER CLG TO BE DEMOLISHED
- (E) ROOF TRUSS FR TO REMAIN

**DEMOLITION ELEVATION LEGEND**

- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO BE REPAIRED
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING DOOR AND FRAME TO BE DEMOLISHED

**GENERAL DEMOLITION NOTES**

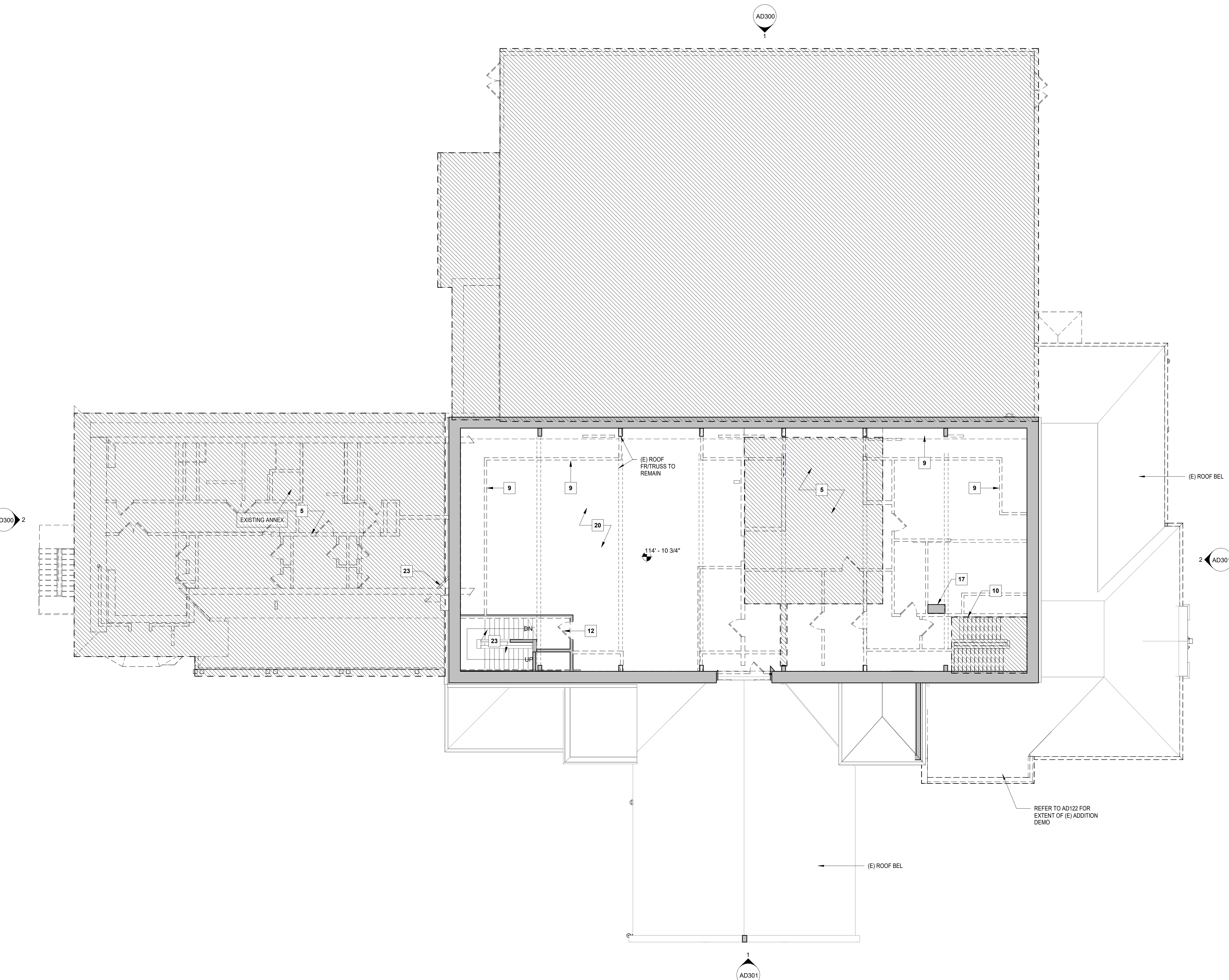
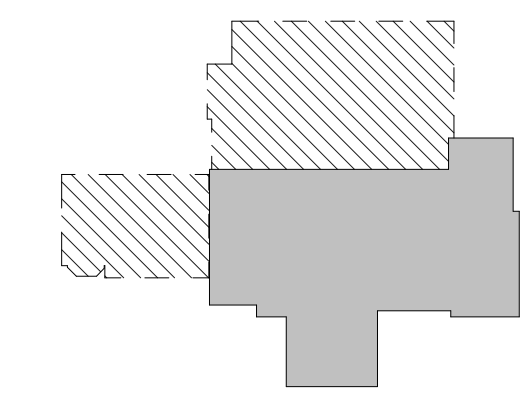
1. DEMOLITION WORK INDICATED ON THE DRAWINGS IS INTENDED TO BE A GENERAL REPRESENTATION OF THE PROJECT SCOPE, AND IS NOT INTENDED TO BE A COMPLETE REPRESENTATION OF ALL SELECTIVE DEMOLITION WORK REQUIRED FOR THE PROJECT. INCIDENTAL WORK WHICH MAY BE NECESSARY TO ACCOMPLISH THE PROJECT MAY NOT BE EXPLICITLY SHOWN, BUT IS A PART OF THE CONTRACT.
2. EXERCISE EXTREME CARE IN DEMOLITION AROUND EXISTING CONSTRUCTION TO REMAIN. ANY DAMAGE TO EXISTING CONSTRUCTION CAUSED BY DEMOLITION OPERATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. REPAIR OF THIS DAMAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. COORDINATE TEMPORARY SERVICE INTERRUPTIONS WITH THE OWNER AS INDICATED IN THE BASIS OF DESIGN DOCUMENT.
4. REMOVE ALL CONSTRUCTION AS INDICATED. REMOVE ALL MATERIALS IN A SAFE WORKMANLIKE MANNER AND DISPOSE OF PER ALL APPLICABLE CODES & SAFETY REQUIREMENTS.
5. REFER TO THE ENVIRONMENTAL SPECIFICATIONS, AS WELL AS SECTION 024116 FOR ALL POTENTIAL ABATEMENT REQUIREMENTS.
6. UNFORSEEN OR UNUSUAL CONDITIONS REVEALED BY DEMOLITION ACTIVITIES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT.
7. REFER TO ELEVATIONS ON A310 AND A311 FOR PROPOSED SCOPE OF (E) FACADE REPAIR & RESTORATION WORK. REFER TO NOTE 1 ABOVE.
8. REMOVE ALL EXISTING INTERIOR NON-LOADBEARING WALLS U.N.O.; STAIR SHAFT ENCLOSURES TO REMAIN U.N.O.
9. REMOVE ALL EXISTING SPRINKLERS & ASSOCIATED PIPING. SEE PLUMBING AND FIRE PROTECTION DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
10. REMOVE ALL EXISTING PLUMBING FIXTURES & ASSOCIATED PIPING, INCLUDING BUT NOT LIMITED TO SINKS, WATER CLOSETS, URINALS, SHOWER & TUBS. SEE PLUMBING DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
11. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, WIRING, CONDUIT & LIGHTING FIXTURES. RETURN ALL EXISTING CAMERA SYSTEMS TO OWNER; RETURN ALL FUNCTIONAL HVAC UNITS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN SEE ELECTRICAL DRAWINGS.
12. REMOVE ALL EXISTING MECHANICAL DUCTWORK AND EQUIPMENT U.N.O. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN. SEE MECHANICAL DRAWINGS.
13. DEMOLISH EXISTING FLOORING, CEILINGS, SOFFITS, AND ALL CEILING COMPONENTS, U.N.O.
14. REMOVE ALL FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS.
15. REMOVE ALL INTERIOR COLUMN ENCLOSURES. EXISTING STRUCTURE TO REMAIN.
16. REMOVE FINISH MATERIALS BACK TO LOAD BEARING STRUCTURE, U.N.O.

**KEYED DEMOLITION NOTES**

1. DEMOLISH EXISTING EXTERIOR WALL. SHORE AS REQUIRED. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR OPENINGS OR FINISHES. SALVAGE EXTERIOR GRANITE FOR REUSE TO THE EXTENT SHOWN ON NEW WORK ELEVATIONS.
2. DEMOLISH EXISTING EXTERIOR SLAB AND STEPS BACK TO EXISTING EXTERIOR FOUNDATION.
3. DEMOLISH EXISTING ENTRY PORCH, STAIR AND RAILINGS. REMOVE EXISTING ROOF FLASHINGS AND TIE-INS. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR FINISHES.
4. DEMOLISH PORTION OF EXISTING FOUNDATION AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
5. DEMOLISH EXISTING FLOOR AND FRAMING OR SLAB AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
6. REMOVE EXISTING BEAM. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
7. SHORE EXISTING STRUCTURE BEFORE REMOVING EXISTING INTERIOR WALLS. SEE STRUCTURAL DRAWINGS. COORDINATE SIZE OF NEW OPNG WITH NEW WORK FLOOR PLANS. PROVIDE NEW LITELS AS REQ'D PER STRUCT DWGS.
8. DEMOLISH EXISTING INFILLED OPENING AND PREPARE OPENING TO RECEIVE NEW EXTERIOR WALL ASSEMBLY OR OPENING.
9. DEMOLISH EXISTING INTERIOR FURRING PARTITION BACK TO INTERIOR SURFACE OF EXISTING EXTERIOR WALL TO REMAIN. PREPARE SURFACE TO RECEIVE NEW CONSTRUCTION.
10. DEMOLISH EXISTING STAIR AND HANDRAILS. REFER TO NEW WORK PLANS FOR STRUCTURAL AND ARCHITECTURAL PREPERATION AND INFILL REQUIREMENTS.
11. REMOVE ALL EXISTING WINDOWS, FRAMES, SECURITY SCREENS, BLOCKING AND PREVIOUS INFILL CONSTRUCTION THROUGHOUT. EXISTING STONE SILLS AND HEADERS TO REMAIN.
12. DEMOLISH EXISTING DOOR AND FRAME. PREP EXPOSED ADJACENT CONSTRUCTION FOR INFILL OR REPLACEMENT DOOR PER ARCHITECTURAL PLANS, INCLUDING NEW LITELS OR INFILL CONSTRUCTION AS REQ'D.
13. DEMOLISH EXISTING HVAC EQUIPMENT; RETURN ANY SALVAGEABLE EQUIPMENT TO OWNER.
14. DEMOLISH EXISTING GUTTER, DOWNSPOUT, AND/OR CLEAN OUT CONNECTION.
15. DEMOLISH PORTION OF EXISTING WALL AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED.
16. DEMOLISH EXISTING ROOFING TO DECKING.
17. DEMOLISH PARTITIONS ADJACENT TO EXISTING FIREPLACE AND SHAFT AND ENCAPSULATE WITH NEW CONSTRUCTION.
18. REMOVE EXISTING PLUMBING FIXTURES AND ALL PIPING. SEE PLUMBING DEMO DRAWINGS.
19. REMOVE EXISTING EXTERIOR DEVICES AND CONDUIT. SEE ELECTRICAL DEMO DRAWINGS.
20. DEMOLISH EXISTING CEILING, SOFFIT, AND ANY CONCEALED DUCTWORK.
21. DEMOLISH EXISTING FLOOR FINISH AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION.
22. EXISTING STRUCTURAL COLUMN OR POST TO REMAIN.
23. DEMOLISH EXISTING CHIMNEY.
24. PRESERVE AND PROTECT EXISTING MURAL / ARTWORK.

**DEMO KEY PLAN**

- EXISTING TO REMAIN
- DEMOLISH



1  
AD123  
DEMOLITION PLAN - LEVEL 3  
1/8" = 1'-0"



**CLIENT**  
REBUILD  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

**OWNER**  
CITY OF PHILADELPHIA  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

**ARCHITECT**  
DIGSAU  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

**CIVIL ENGINEER**  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

**STRUCTURAL ENGINEER**  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

**LANDSCAPE ARCHITECT**  
Ground Reconsidered  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

**MEP/FP ENGINEER**  
dbHMS  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 267.217.1612

**LIGHTING DESIGN**  
The Lighting Practice  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

**COST ESTIMATING**  
Dharam Consulting  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 610.554.6560

**ENVIRONMENTAL CONSULTANT**  
Brightfields, Inc.  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

**LEED CONSULTANT**  
Database+  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.916.0557  
www.databaseplus.com

DATE:	DESCRIPTION:

**FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS**

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	DG / SC
CHECKED:	BM / MG
DATE:	4/7/2023

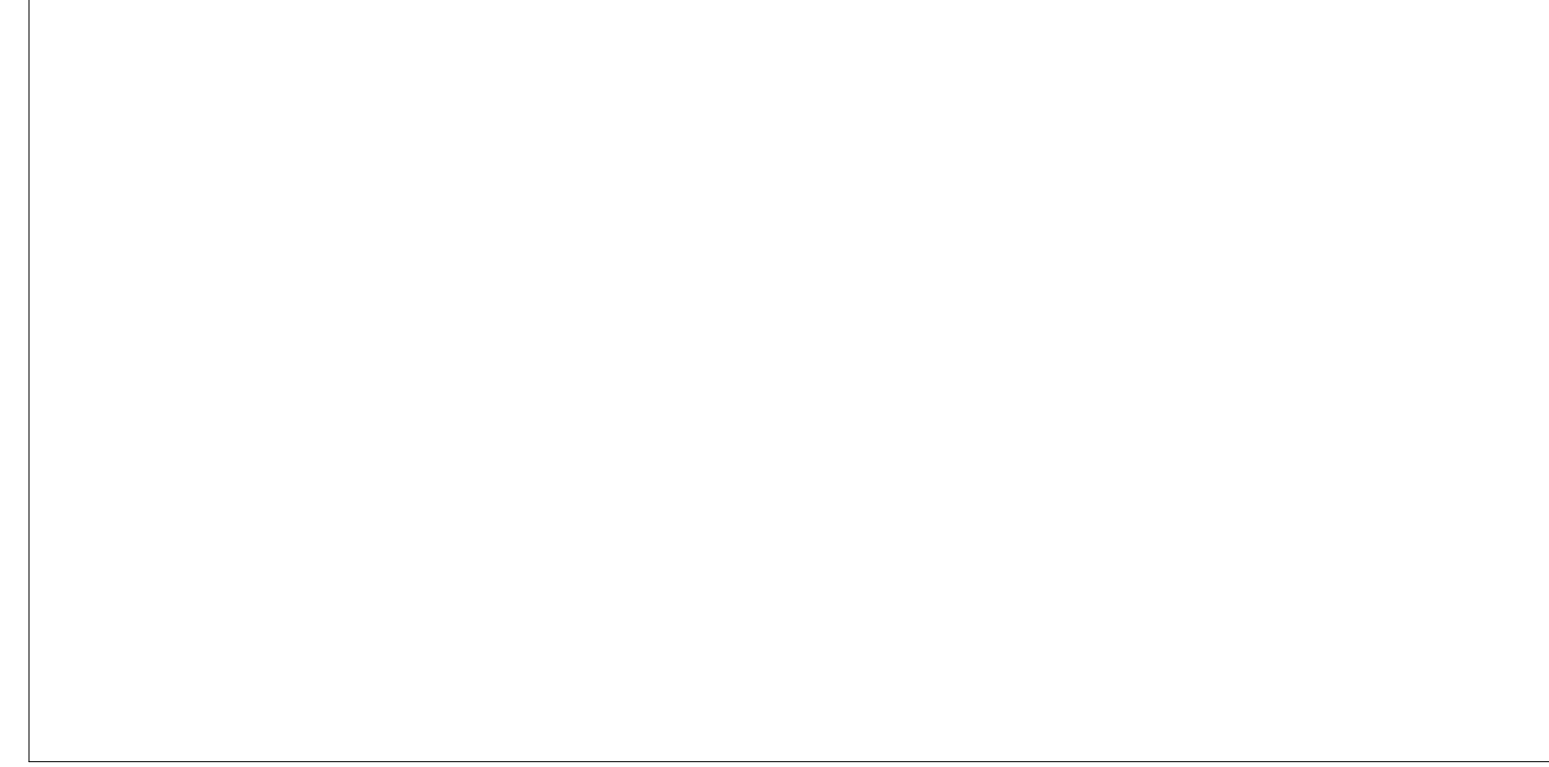
SHEET NAME:  
**DEMOLITION PLAN - LEVEL 3**

SHEET NUMBER:  
**AD123**

PROJECT PHASE:  
**CONSTRUCTION DOCUMENTS**



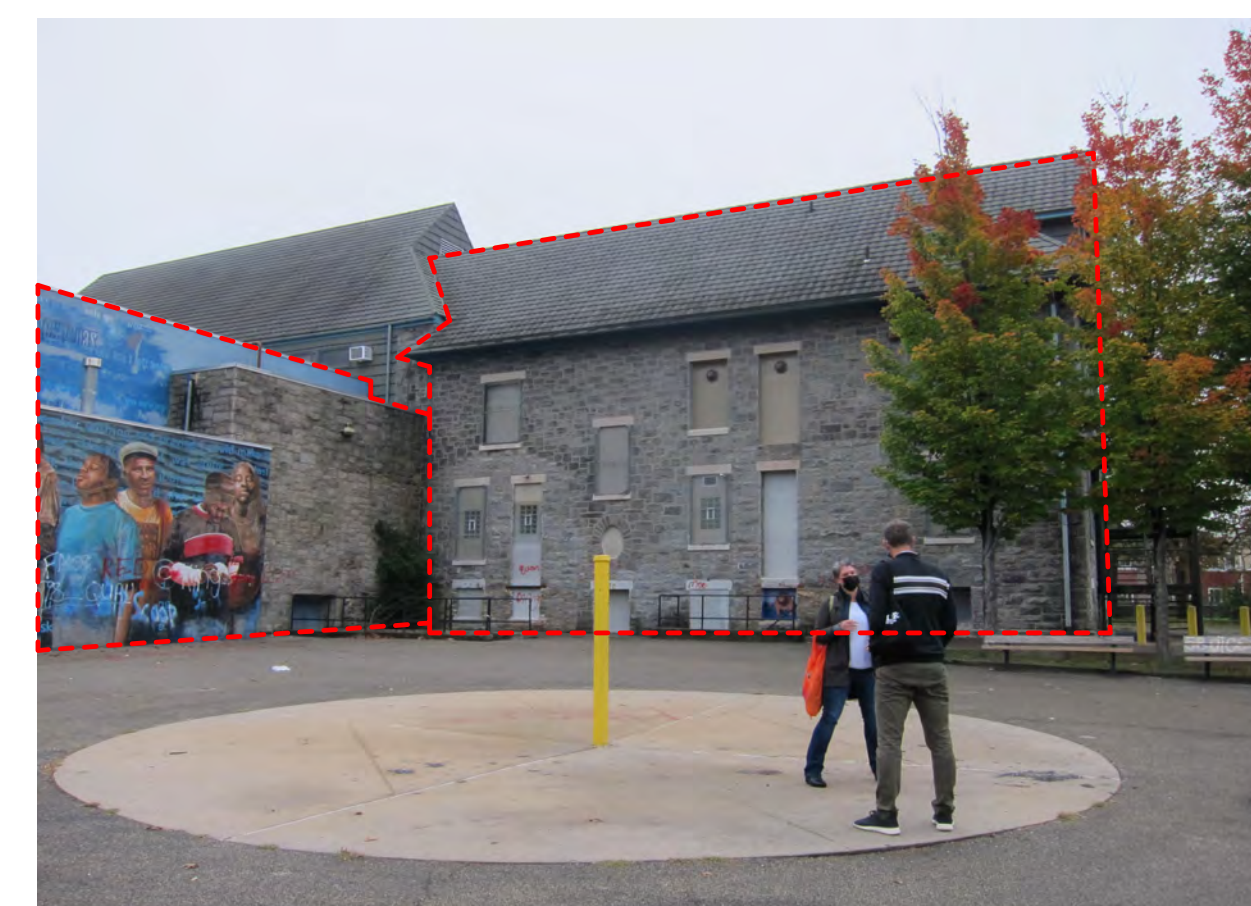
APPROVAL STAMP AREA



EXISTING ANNEX BUILDING ADDITION TO BE DEMOLISHED, LOOKING NORTH



EXISTING GYMNASIUM BUILDING ADDITION TO BE DEMOLISHED, LOOKING EAST



EXISTING GYMNASIUM AND ANNEX BUILDING ADDITIONS TO BE DEMOLISHED, LOOKING EAST

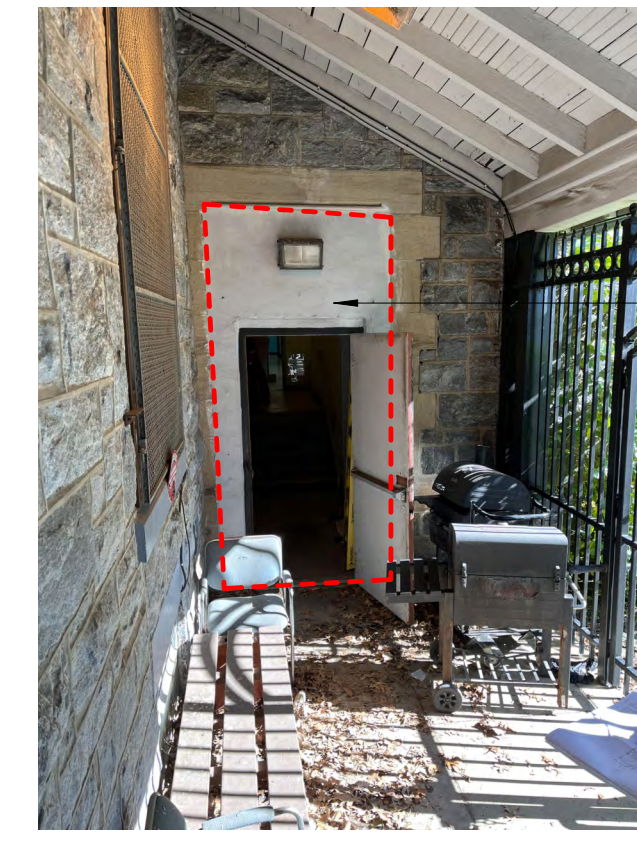


EXISTING DOWNSPOUT REPAIR/REPLACEMENT

- REPAIR/REPLACEMENT SCOPE INCLUDES (WHERE INDICATED):
- SCRAPE AND PAINT EXISTING STEEL STUDS AND CAST IRON PIPE COMPONENTS WITH EXTERIOR PAINT SYSTEM PER SPEC 090600
  - NEW DOWNSPOUT AND BOOT/CLEANOUT PER SPEC 078200. REFER TO CIVIL DRAWINGS FOR EXTENT OF BELOW GRADE PIPE REPLACEMENT

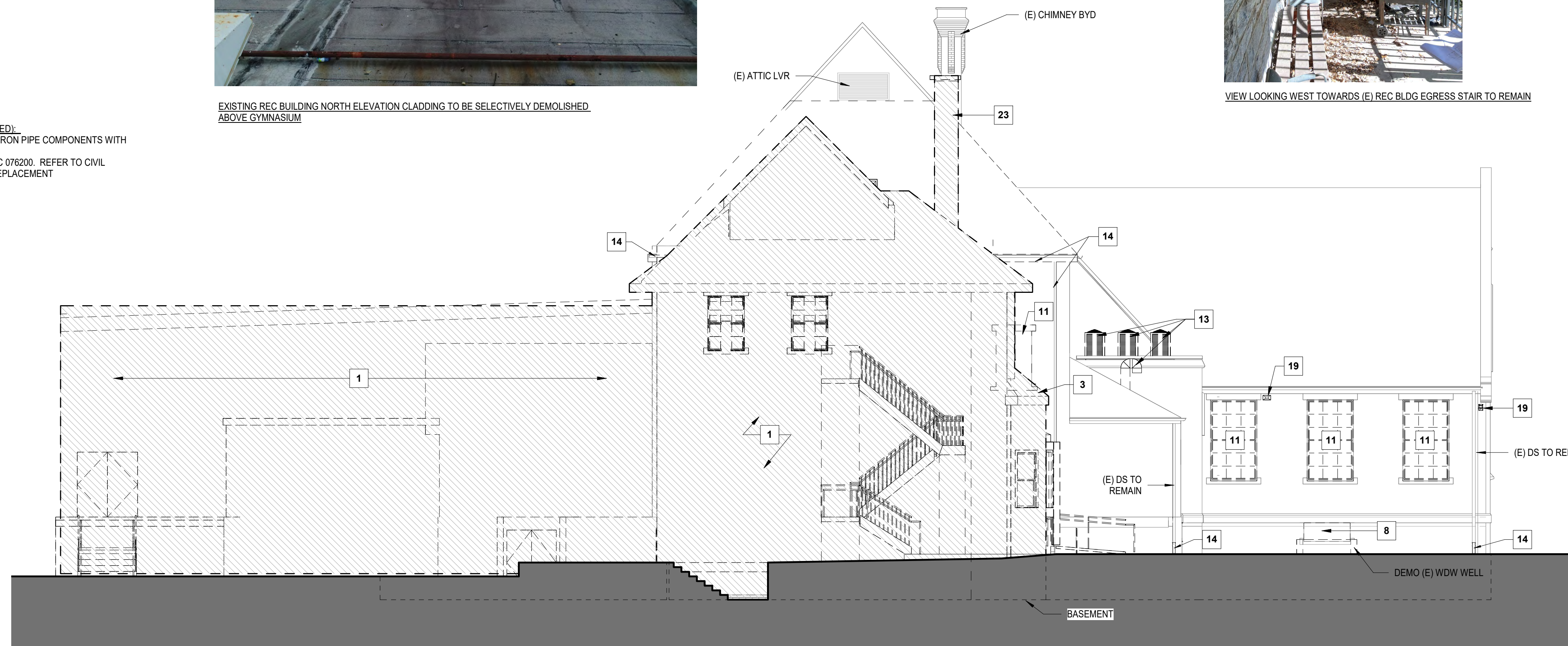


EXISTING REC BUILDING NORTH ELEVATION CLADDING TO BE SELECTIVELY DEMOLISHED ABOVE GYMNASIUM



DEMO EXG DR AND INFILL

VIEW LOOKING WEST TOWARDS (E) REC BLDG EGRESS STAIR TO REMAIN



2 DEMOLITION BUILDING ELEVATION - WEST  
AD300 1/8" = 1'-0"

- ROOF - EXISTING 139'-1.34'
- LEVEL 3 - EXISTING 114'-10.34'
- LEVEL 2 - EXISTING 100'-6.34'
- LEVEL 1 - EXISTING 85'-7.34'
- BASEMENT EXISTING 77'-3'

DEMOLITION ELEVATION LEGEND

- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO BE REPAIRED
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING DOOR AND FRAME TO BE DEMOLISHED

GENERAL DEMOLITION NOTES

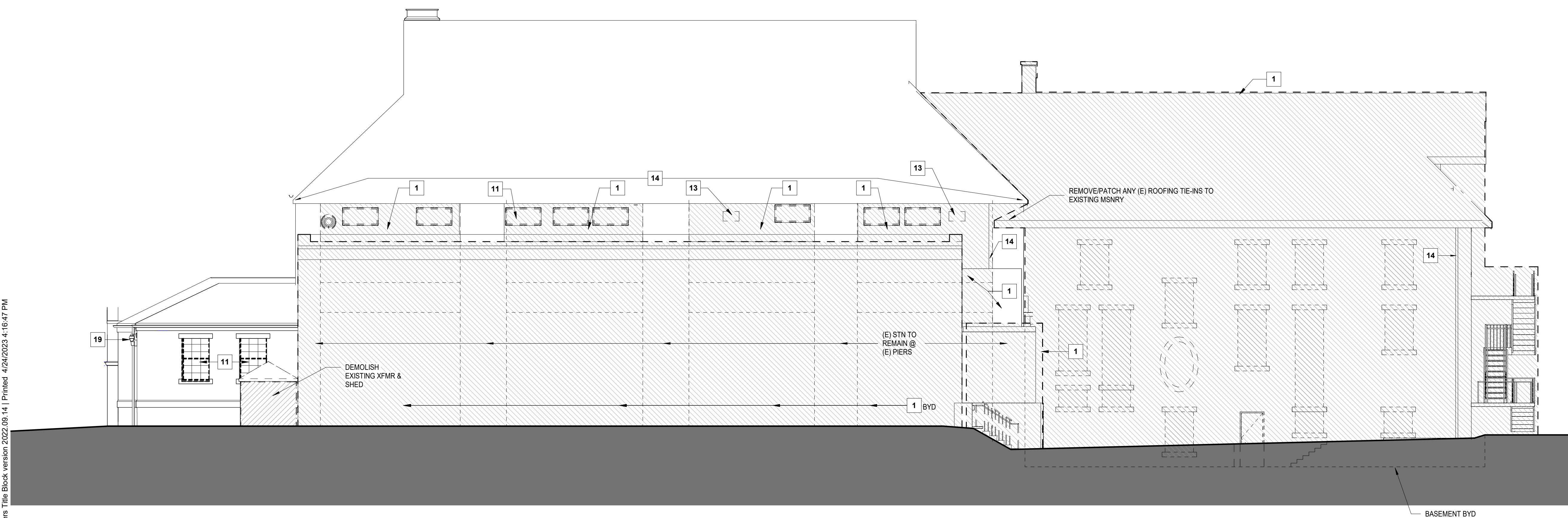
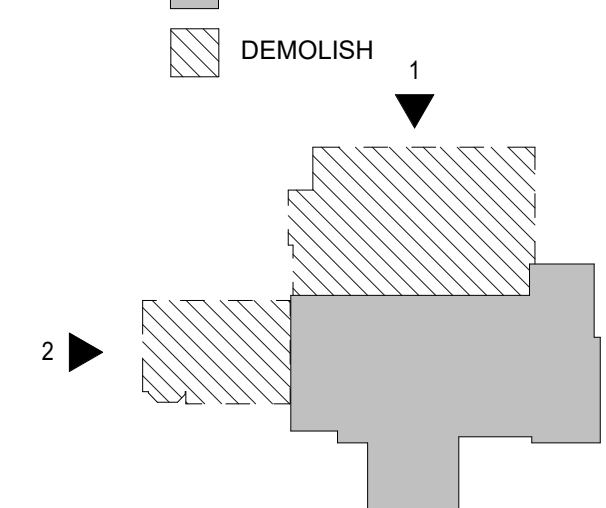
- DEMOLITION WORK INDICATED ON THE DRAWINGS IS INTENDED TO BE A GENERAL REPRESENTATION OF THE PROJECT SCOPE, AND IS NOT INTENDED TO BE A COMPLETE REPRESENTATION OF ALL SELECTIVE DEMOLITION WORK REQUIRED FOR THE PROJECT. INCIDENTAL WORK WHICH MAY BE NECESSARY TO ACCOMPLISH THE PROJECT MAY NOT BE EXPLICITLY SHOWN, BUT IS A PART OF THE CONTRACT.
- EXERCISE EXTREME CARE IN DEMOLITION AROUND EXISTING CONSTRUCTION TO REMAIN. ANY DAMAGE TO EXISTING CONSTRUCTION CAUSED BY DEMOLITION OPERATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. REPAIR OF THIS DAMAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- COORDINATE TEMPORARY SERVICE INTERRUPTIONS WITH THE OWNER AS INDICATED IN THE BASIS OF DESIGN DOCUMENT.
- REMOVE ALL CONSTRUCTION AS INDICATED. REMOVE ALL MATERIALS IN A SAFE WORKMANLIKE MANNER AND DISPOSE OF PER ALL APPLICABLE CODES & SAFETY REQUIREMENTS.
- REFER TO THE ENVIRONMENTAL SPECIFICATIONS, AS WELL AS SECTION 024116 FOR ALL POTENTIAL ABATEMENT REQUIREMENTS.
- UNFORSEEN OR UNUSUAL CONDITIONS REVEALED BY DEMOLITION ACTIVITIES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT.
- REFER TO ELEVATIONS ON A310 AND A311 FOR PROPOSED SCOPE OF (E) FACADE REPAIR & RESTORATION WORK. REFER TO NOTE 1 ABOVE.
- REMOVE ALL EXISTING INTERIOR NON-LOADBEARING WALLS U.N.O.; STAIR SHAFT ENCLOSURES TO REMAIN U.N.O.
- REMOVE ALL EXISTING SPRINKLERS & ASSOCIATED PIPING. SEE PLUMBING AND FIRE PROTECTION DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
- REMOVE ALL EXISTING PLUMBING FIXTURES & ASSOCIATED PIPING, INCLUDING BUT NOT LIMITED TO SINKS, WATER CLOSETS, URINALS, SHOWER & TUBS. SEE PLUMBING DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
- REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, WIRING, CONDUIT & LIGHTING FIXTURES. RETURN ALL EXISTING CAMERA SYSTEMS TO OWNER; RETURN ALL FUNCTIONAL HVAC UNITS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN SEE ELECTRICAL DRAWINGS.
- REMOVE ALL EXISTING MECHANICAL DUCTWORK AND EQUIPMENT U.N.O. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN. SEE MECHANICAL DRAWINGS.
- DEMOLISH EXISTING FLOORING, CEILING, SOFFITS, AND ALL CEILING COMPONENTS, U.N.O.
- REMOVE ALL FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS.
- REMOVE ALL INTERIOR COLUMN ENCLOSURES. EXISTING STRUCTURE TO REMAIN.
- REMOVE FINISH MATERIALS BACK TO LOAD BEARING STRUCTURE, U.N.O.

KEYED DEMOLITION NOTES

- DEMOLISH EXISTING EXTERIOR WALL. SHORE AS REQUIRED. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR OPENINGS OR FINISHES. SALVAGE EXTERIOR GRANITE FOR REUSE TO THE EXTENT SHOWN ON NEW WORK ELEVATIONS
- DEMOLISH EXISTING EXTERIOR SLAB AND STEPS BACK TO EXISTING EXTERIOR FOUNDATION
- DEMOLISH EXISTING ENTRY PORCH, STAIR AND RAILINGS. REMOVE EXISTING ROOF FLASHINGS AND TIE-INS. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR FINISHES.
- DEMOLISH PORTION OF EXISTING FOUNDATION AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
- DEMOLISH EXISTING FLOOR AND FRAMING OR SLAB AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
- REMOVE EXISTING BEAM. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
- SHORE EXISTING STRUCTURE BEFORE REMOVING EXISTING INTERIOR WALLS. SEE STRUCTURAL DRAWINGS. COORDINATE SIZE OF NEW OPNG WITH NEW WORK FLOOR PLANS. PROVIDE NEW LITELS AS REQ'D PER STRUCT DWGS
- DEMOLISH EXISTING INFILLED OPENING AND PREPARE OPENING TO RECEIVE NEW EXTERIOR WALL ASSEMBLY OR OPENING.
- DEMOLISH EXISTING INTERIOR FURRING PARTITION BACK TO INTERIOR SURFACE OF EXISTING EXTERIOR WALL TO REMAIN. PREPARE SURFACE TO RECEIVE NEW CONSTRUCTION.
- DEMOLISH EXISTING STAIR AND HANDRAILS. REFER TO NEW WORK PLANS FOR STRUCTURAL AND ARCHITECTURAL PREPERATION AND INFILL REQUIREMENTS
- REMOVE ALL EXISTING WINDOWS, FRAMES, SECURITY SCREENS, BLOCKING AND PREVIOUS INFILL CONSTRUCTION THROUGHOUT. EXISTING STONE SILLS AND HEADERS TO REMAIN.
- DEMOLISH EXISTING DOOR AND FRAME. PREP EXPOSED ADJACENT CONSTRUCTION FOR INFILL OR REPLACEMENT DOOR PER ARCHITECTURAL PLANS, INCLUDING NEW LITELS OR INFILL CONSTRUCTION AS REQ'D
- DEMOLISH EXISTING HVAC EQUIPMENT; RETURN ANY SALVAGEABLE EQUIPMENT TO OWNER
- DEMOLISH EXISTING GUTTER, DOWNSPOUT, AND/OR CLEAN OUT CONNECTION
- DEMOLISH PORTION OF EXISTING WALL AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED
- DEMOLISH EXISTING ROOFING TO DECKING
- DEMOLISH PARTITIONS ADJACENT TO EXISTING FIREPLACE AND SHAFT AND ENCAPSULATE WITH NEW CONSTRUCTION
- REMOVE EXISTING PLUMBING FIXTURES AND ALL PIPING. SEE PLUMBING DEMO DRAWINGS.
- REMOVE EXISTING EXTERIOR DEVICES AND CONDUIT. SEE ELECTRICAL DEMO DRAWINGS.
- DEMOLISH EXISTING CEILING, SOFFIT, AND ANY CONCEALED DUCTWORK
- DEMOLISH EXISTING FLOOR FINISH AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION.
- EXISTING STRUCTURAL COLUMN OR POST TO REMAIN
- DEMOLISH EXISTING CHIMNEY
- PRESERVE AND PROTECT EXISTING MURAL / ARTWORK

DEMO KEY PLAN

- EXISTING TO REMAIN
- DEMOLISH



1 DEMOLITION BUILDING ELEVATION - NORTH  
AD300 1/8" = 1'-0"

DIGSAU

CLIENT  
REBUILD  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
CITY OF PHILADELPHIA  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
DIGSAU  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
Ground Reconsidered  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

MEP/FP ENGINEER  
dbHMS  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 287.217.1612

LIGHTING DESIGN  
The Lighting Practice  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
Dharam Consulting  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 810.554.6560

ENVIRONMENTAL CONSULTANT  
Brightfields, Inc.  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
DataBase+  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.15.0557  
www.databasaplus.com

DATE:	DESCRIPTION:

FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	Author
CHECKED:	BM / MG
DATE:	4/7/2023

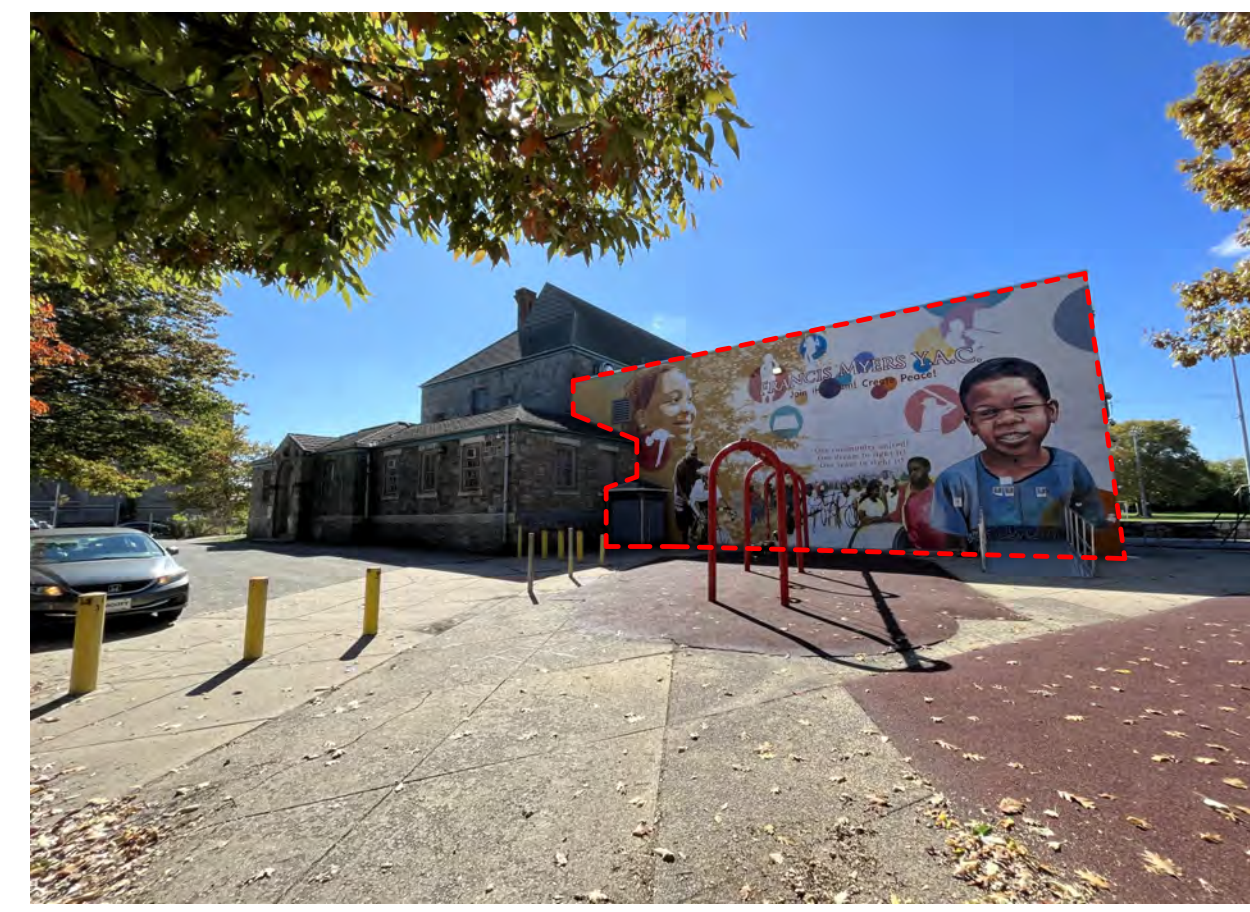
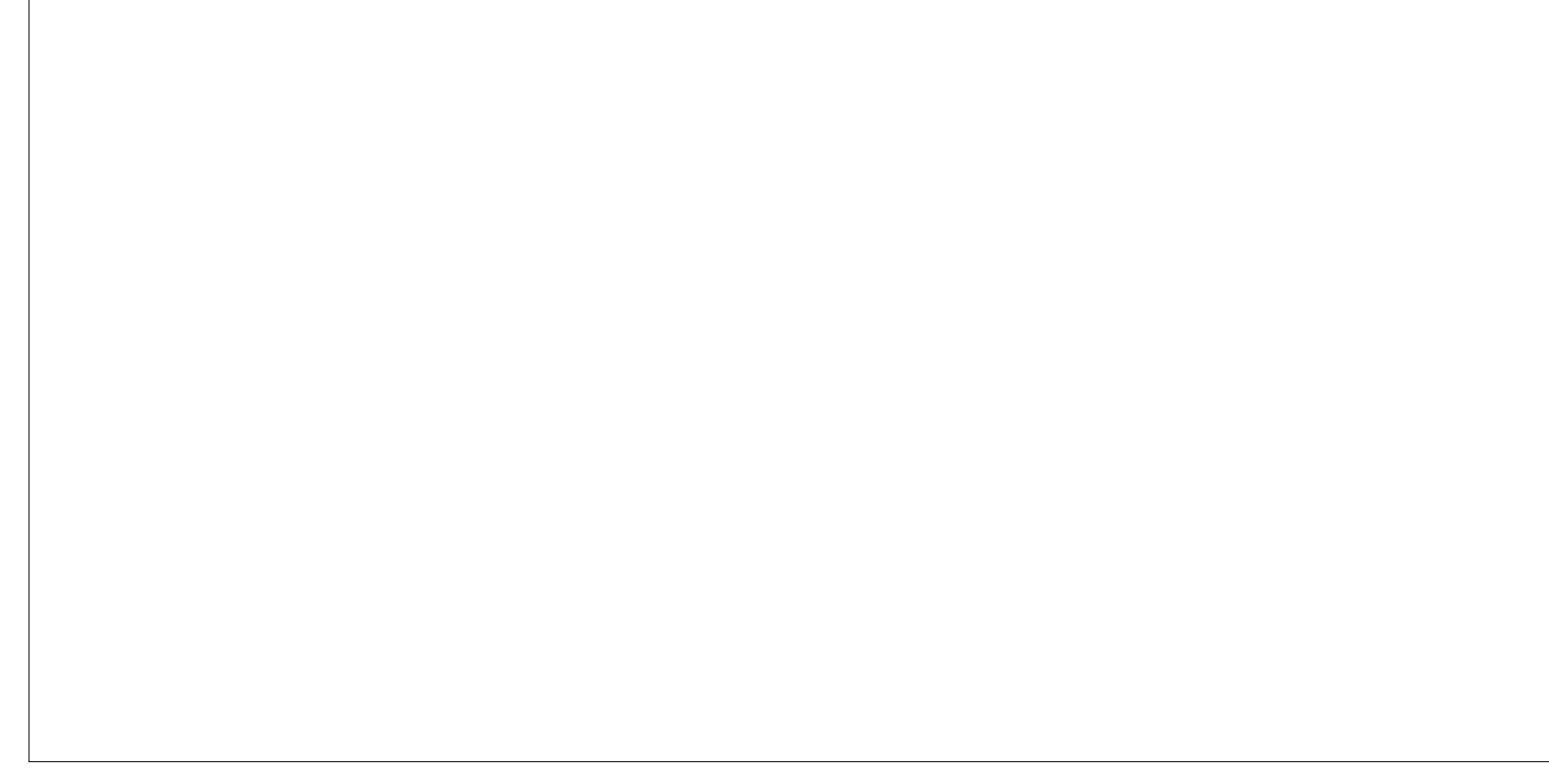
SHEET NAME:  
DEMOLITION ELEVATIONS

SHEET NUMBER:  
AD300

PROJECT PHASE:  
CONSTRUCTION DOCUMENTS



APPROVAL STAMP AREA



EXISTING GYMNASIUM BUILDING ADDITION TO BE DEMOLISHED



EXISTING BATHROOM ADDITION TO BE DEMOLISHED



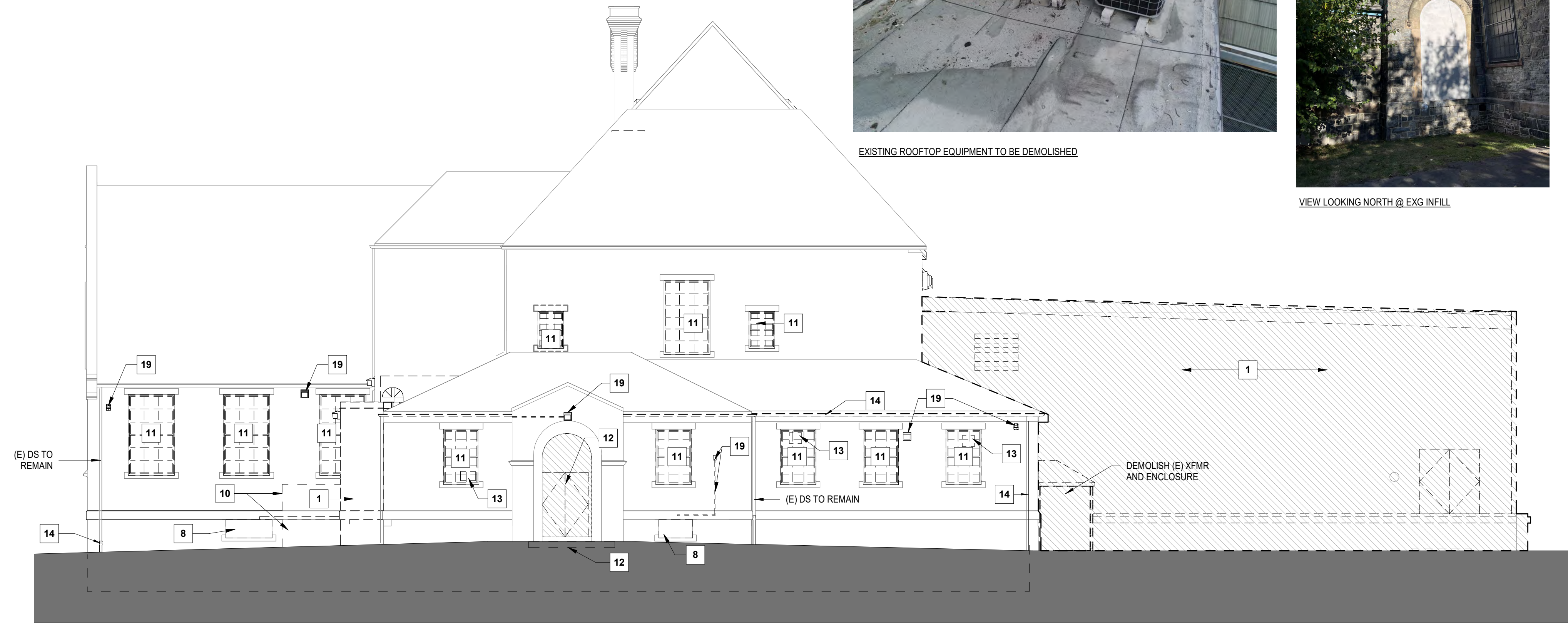
(E) HALF ROUND GUTTER, REFER TO DEMO ELEVATIONS FOR EXTENT OF REPLACEMENT  
(E) FASCIA BD TO BE CLEANED & PAINTED, TYP.



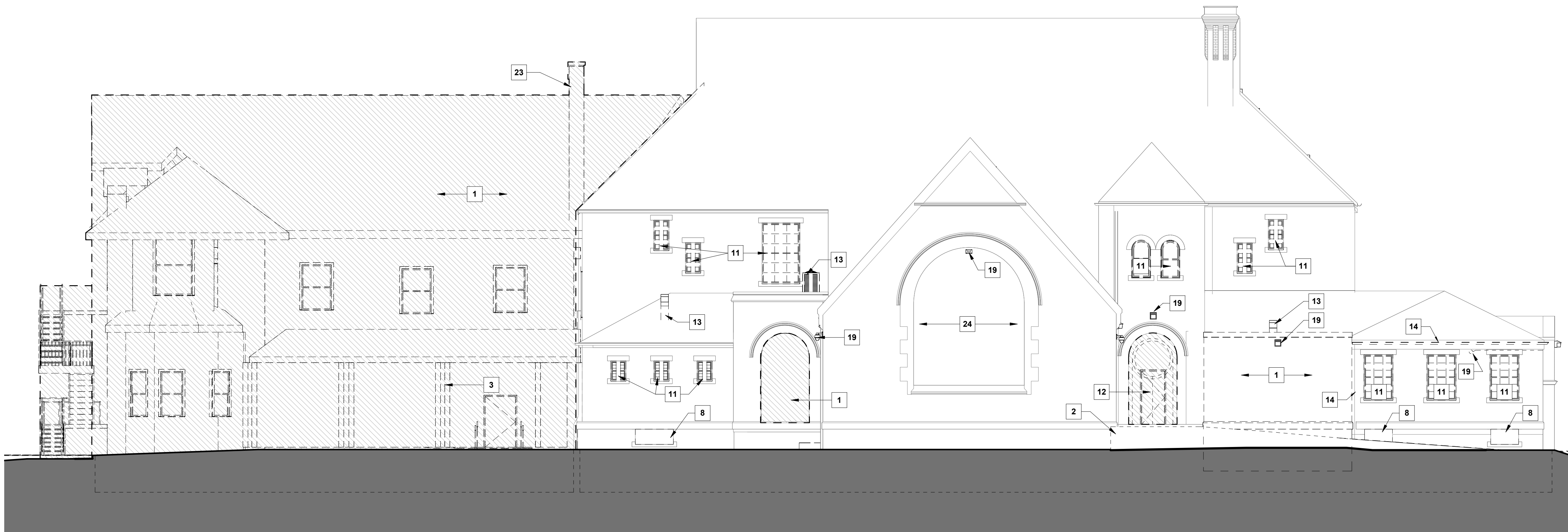
EXISTING ROOFTOP EQUIPMENT TO BE DEMOLISHED



VIEW LOOKING NORTH @ EXG INFILL



2 DEMOLITION BUILDING ELEVATION - EAST  
AD301 1/8" = 1'-0"



1 DEMOLITION BUILDING ELEVATION - SOUTH  
AD301 1/8" = 1'-0"

DEMOLITION ELEVATION LEGEND

- == == EXISTING CONSTRUCTION TO BE DEMOLISHED
- [Hatched Box] EXISTING CONSTRUCTION TO BE DEMOLISHED
- [Cross-hatched Box] EXISTING CONSTRUCTION TO BE REPAIRED
- [Solid Box] EXISTING CONSTRUCTION TO REMAIN
- [Dashed Box] EXISTING DOOR AND FRAME TO BE DEMOLISHED

GENERAL DEMOLITION NOTES

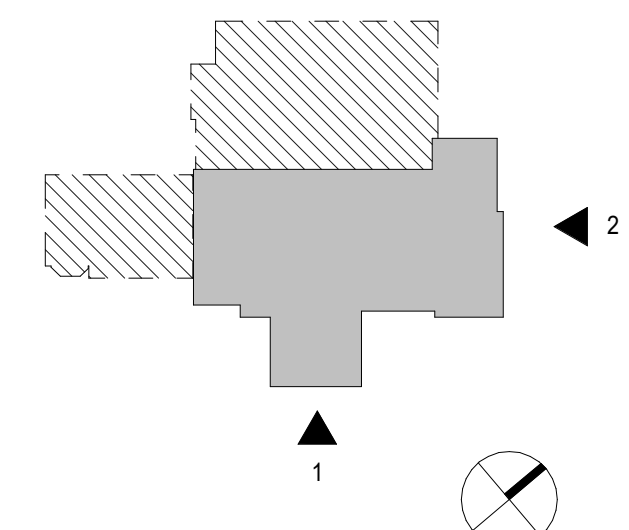
1. DEMOLITION WORK INDICATED ON THE DRAWINGS IS INTENDED TO BE A GENERAL REPRESENTATION OF THE PROJECT SCOPE, AND IS NOT INTENDED TO BE A COMPLETE REPRESENTATION OF ALL SELECTIVE DEMOLITION WORK REQUIRED FOR THE PROJECT. INCIDENTAL WORK WHICH MAY BE NECESSARY TO ACCOMPLISH THE PROJECT MAY NOT BE EXPLICITLY SHOWN, BUT IS A PART OF THE CONTRACT.
2. EXERCISE EXTREME CARE IN DEMOLITION AROUND EXISTING CONSTRUCTION TO REMAIN. ANY DAMAGE TO EXISTING CONSTRUCTION CAUSED BY DEMOLITION OPERATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. REPAIR OF THIS DAMAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. COORDINATE TEMPORARY SERVICE INTERRUPTIONS WITH THE OWNER AS INDICATED IN THE BASIS OF DESIGN DOCUMENT.
4. REMOVE ALL CONSTRUCTION AS INDICATED. REMOVE ALL MATERIALS IN A SAFE WORKMANLIKE MANNER AND DISPOSE OF PER ALL APPLICABLE CODES & SAFETY REQUIREMENTS.
5. REFER TO THE ENVIRONMENTAL SPECIFICATIONS, AS WELL AS SECTION 024116 FOR ALL POTENTIAL ABATEMENT REQUIREMENTS.
6. UNFORSEEN OR UNUSUAL CONDITIONS REVEALED BY DEMOLITION ACTIVITIES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT.
7. REFER TO ELEVATIONS ON A310 AND A311 FOR PROPOSED SCOPE OF (E) FACADE REPAIR & RESTORATION WORK. REFER TO NOTE 1 ABOVE.
8. REMOVE ALL EXISTING INTERIOR NON-LOADBEARING WALLS U.N.O.; STAIR SHAFT ENCLOSURES TO REMAIN U.N.O.
9. REMOVE ALL EXISTING SPRINKLERS & ASSOCIATED PIPING. SEE PLUMBING AND FIRE PROTECTION DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
10. REMOVE ALL EXISTING PLUMBING FIXTURES & ASSOCIATED PIPING, INCLUDING BUT NOT LIMITED TO SINKS, WATER CLOSETS, URINALS, SHOWER & TUBS. SEE PLUMBING DRAWINGS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN.
11. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, WIRING, CONDUIT & LIGHTING FIXTURES. RETURN ALL EXISTING CAMERA SYSTEMS TO OWNER; RETURN ALL FUNCTIONAL HVAC UNITS. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN SEE ELECTRICAL DRAWINGS.
12. REMOVE ALL EXISTING MECHANICAL DUCTWORK AND EQUIPMENT U.N.O. PATCH RESULTANT OPENINGS IN WALLS TO REMAIN. SEE MECHANICAL DRAWINGS.
13. DEMOLISH EXISTING FLOORING, CEILING, SOFFITS, AND ALL CEILING COMPONENTS, U.N.O.
14. REMOVE ALL FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS.
15. REMOVE ALL INTERIOR COLUMN ENCLOSURES. EXISTING STRUCTURE TO REMAIN.
16. REMOVE FINISH MATERIALS BACK TO LOAD BEARING STRUCTURE, U.N.O.

KEYED DEMOLITION NOTES

1. DEMOLISH EXISTING EXTERIOR WALL. SHORE AS REQUIRED. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR OPENINGS OR FINISHES. SALVAGE EXTERIOR GRANITE FOR REUSE TO THE EXTENT SHOWN ON NEW WORK ELEVATIONS.
2. DEMOLISH EXISTING EXTERIOR SLAB AND STEPS BACK TO EXISTING EXTERIOR FOUNDATION.
3. DEMOLISH EXISTING ENTRY PORCH, STAIR AND RAILINGS. REMOVE EXISTING ROOF FLASHINGS AND TEARS. PREP EXPOSED ADJACENT CONSTRUCTION FOR NEW EXTERIOR FINISHES.
4. DEMOLISH PORTION OF EXISTING FOUNDATION AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
5. DEMOLISH EXISTING FLOOR AND FRAMING OR SLAB AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
6. REMOVE EXISTING BEAM. SHORE AS REQUIRED, SEE STRUCTURAL DRAWINGS.
7. SHORE EXISTING STRUCTURE BEFORE REMOVING EXISTING INTERIOR WALLS. SEE STRUCTURAL DRAWINGS. COORDINATE SIZE OF NEW OPNG WITH NEW WORK FLOOR PLANS. PROVIDE NEW LITELS AS REQ'D PER STRUCT DWGS.
8. DEMOLISH EXISTING INFILL OPENING AND PREPARE OPENING TO RECEIVE NEW EXTERIOR WALL ASSEMBLY OR OPENING.
9. DEMOLISH EXISTING INTERIOR FURRING PARTITION BACK TO INTERIOR SURFACE OF EXISTING EXTERIOR WALL TO REMAIN. PREPARE SURFACE TO RECEIVE NEW CONSTRUCTION.
10. DEMOLISH EXISTING STAIR AND HANDRAILS. REFER TO NEW WORK PLANS FOR STRUCTURAL AND ARCHITECTURAL PREPERATION AND INFILL REQUIREMENTS.
11. REMOVE ALL EXISTING WINDOWS, FRAMES, SECURITY SCREENS, BLOCKING AND PREVIOUS INFILL CONSTRUCTION THROUGHOUT. EXISTING STONE SILLS AND HEADERS TO REMAIN.
12. DEMOLISH EXISTING DOOR AND FRAME. PREP EXPOSED ADJACENT CONSTRUCTION FOR INFILL OR REPLACEMENT DOOR PER ARCHITECTURAL PLANS, INCLUDING NEW LITELS OR INFILL CONSTRUCTION AS REQ'D.
13. DEMOLISH EXISTING HVAC EQUIPMENT; RETURN ANY SALVAGEABLE EQUIPMENT TO OWNER.
14. DEMOLISH EXISTING GUTTER, DOWNSPOUT, AND/OR CLEAN OUT CONNECTION.
15. DEMOLISH PORTION OF EXISTING WALL AND PREPARE ADJACENT CONSTRUCTION TO RECEIVE NEW WORK. SHORE AS REQUIRED.
16. DEMOLISH EXISTING ROOFING TO DECKING.
17. DEMOLISH PARTITIONS ADJACENT TO EXISTING FIREPLACE AND SHAFT AND ENCAPSULATE WITH NEW CONSTRUCTION.
18. REMOVE EXISTING PLUMBING FIXTURES AND ALL PIPING. SEE PLUMBING DEMO DRAWINGS.
19. REMOVE EXISTING EXTERIOR DEVICES AND CONDUIT. SEE ELECTRICAL DEMO DRAWINGS.
20. DEMOLISH EXISTING CEILING, SOFFIT, AND ANY CONCEALED DUCTWORK.
21. DEMOLISH EXISTING FLOOR FINISH AND PREPARE ADJACENT FLOOR TO REMAIN FOR NEW CONSTRUCTION.
22. EXISTING STRUCTURAL COLUMN OR POST TO REMAIN.
23. DEMOLISH EXISTING CHIMNEY.
24. PRESERVE AND PROTECT EXISTING MURAL / ARTWORK.

DEMO KEY PLAN

- [Solid Box] EXISTING TO REMAIN
- [Hatched Box] DEMOLISH



CLIENT  
REBUILD  
1515 Arch Street  
Mezzanine Level  
Philadelphia, PA 19104

OWNER  
CITY OF PHILADELPHIA  
Department of Parks and Recreation  
1515 Arch Street, 10th Floor  
Philadelphia, PA 19102

ARCHITECT  
DIGSAU  
340 North 12th Street, Suite 421  
Philadelphia, PA 19107  
v 215.627.0808  
www.digsau.com

CIVIL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

STRUCTURAL ENGINEER  
David Mason & Associates  
123 S. Broad St  
Suite 1130  
Philadelphia, PA 19109  
www.davidmason.com  
v 215.375.6059

LANDSCAPE ARCHITECT  
Ground Reconsidered  
230 South Broad Street  
Suite 604  
Philadelphia, PA 19102  
v 215.790.0727  
www.groundreconsidered.com

MEP/FP ENGINEER  
dbHMS  
1500 Walnut St  
Suite 1910  
Philadelphia, PA 19102  
v 287.217.1612

LIGHTING DESIGN  
The Lighting Practice  
600 Chestnut Street  
Suite 772  
Philadelphia, PA 19106  
v 215.238.1644

COST ESTIMATING  
Dharam Consulting  
1719 Chestnut Street  
Suite 300  
Philadelphia, PA 19103  
v 810.554.6560

ENVIRONMENTAL CONSULTANT  
Brightfields, Inc.  
801 Industrial Street  
Wilmington, DE 19801  
v 302.656.9600  
www.brightfields.com

LEED CONSULTANT  
DataBase+  
303 W Erie Street, Suite 510  
Chicago, IL 60654  
v 312.315.0557  
www.databasedplus.com

DATE:	DESCRIPTION:

FRANCIS J. MYERS RECREATION CENTER SITE AND BUILDING IMPROVEMENTS

5800 Chester Ave  
Philadelphia, PA 19143

PROJECT #:	2020
SCALE:	As indicated
FORMAT:	30" X 42"
DRAWN:	Author
CHECKED:	BM / MG
DATE:	4/7/2023

SHEET NAME:  
DEMOLITION ELEVATIONS

SHEET NUMBER:  
AD301

PROJECT PHASE:  
CONSTRUCTION DOCUMENTS