Champaign Park District
PARC 11-05
Centennial Park Recreation Center

ENGINEERS
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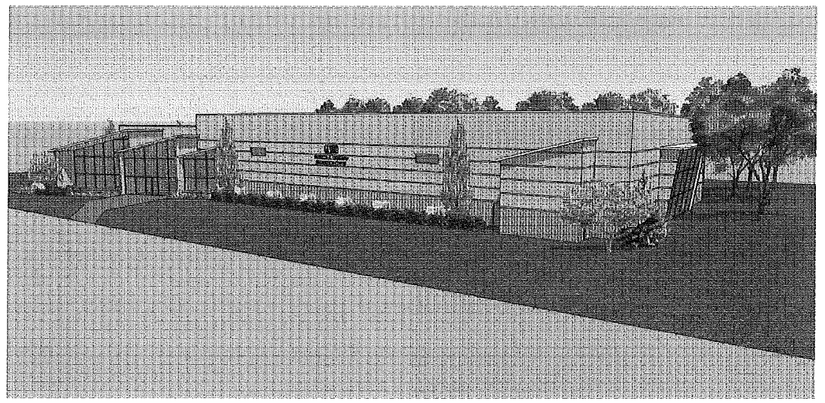
Bid Set

Bid Set
Patricia H. Leonhard Recreation Center

Champaign Park District

Patricia H. Leonhard Recreation Center

CHAMPAIGN PARK DISTRICT



2307 W. Sangamon Dr.
Champaign, IL 61821

11x17 COPY OF "AS BUILT" SET
APRIL 2014

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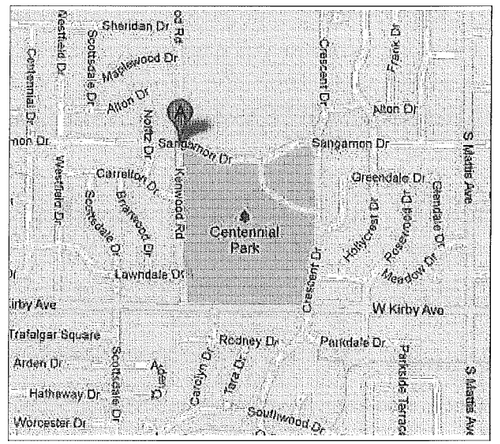
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Location Map



Professional Registrations

Project No: 0111316.00

Design Firm Registration #184001856

Date: 05/01/13

1819 S. Neil Street, Suite F - Champaign, Illinois 61820 - Phone: (217) 352-7408 / Fax: (217) 352-7409

Champaign Park District

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EXISTING AND DEMOLITION LEGEND (SHEET C2.0)

- CONTROL POINT
- BENCHMARK
- ELECTRIC PEDESTAL
- LIGHT
- SANITARY MANHOLE
- STORM MANHOLE
- STORM INLET
- TRASH CAN
- BBQ GRILL
- SIGN
- ACCESSIBLE PARKING SPACE
- FENCE LINE
- 20"W — WATER MAIN
- 12"ST — STORM SEWER
- 8"SA — SANITARY SEWER
- IRR — IRRIGATION PIPING
- E — ELECTRIC LINE
- G — GAS LINE
- 722.51TC — TOP OF CURB ELEVATION
- 722.18 — HARD SURFACE ELEVATION
- 722.1 — SOFT SURFACE ELEVATION
- DECIDUOUS TREE/SIZE
- CONIFEROUS TREE/SIZE
- APPROXIMATE LIMITS OF CLEARING FOR BUILDING CONSTRUCTION
- TREE TO BE REMOVED
- CONCRETE REMOVAL AREA
- CURB REMOVAL AREA

PROPOSED LEGEND (SHEETS C3.0, C4.0, C5.0)

- W — WATER SERVICE
- 8"SA — SANITARY SERVICE
- G — GAS SERVICE
- SANITARY MANHOLE
- H — HAND HOLD
- T — TRANSFORMER
- DOWNSPOUT
- RELOCATED TRASH CAN
- SILT FILTER BASKET INSTALLED IN INLET OR MANHOLE
- X — X — ORANGE CONSTRUCTION FENCING
- ORANGE CONSTRUCTION FENCING
- DEPRESSED CURB
- SIDEWALK, 4" P.C. OR TYPE SPECIAL
- DRIVEWAY IN RIGHT-OF-WAY
  6" PORTLAND CEMENT CONCRETE
- HD ASPHALT
  1.5" SUPER IL 9.5 N-50 MIX C (SURFACE)
  3.5" SUPER IL 9.5 N-50 (BINDER)
  12" I.D.O.T. CA-6, TYPE A
- LD ASPHALT
  1.5" SUPER IL 9.5 N-50 MIX C (SURFACE)
  1.5" SUPER IL 9.5 N-50 (BINDER)
  8" I.D.O.T. CA-6, TYPE A

PROJECT NOTES

1. PROPERTY IS OWNED BY THE CHAMPAIGN PARK DISTRICT.
2. THE PROJECT LIMITS ARE NOT WITHIN 100 FEET OF A REGULATED FLOOD PLAIN.
3. PER THE MANUAL OF PRACTICE FOR THE CITY OF CHAMPAIGN, ALL SIDEWALK PANELS BROKEN DURING THE CONSTRUCTION OF THE PROJECT WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
4. CONTRACTOR SHALL REPLACE ALL BROKEN CONCRETE SIDEWALK OR THOSE PANELS DEEMED AS "TRIPPERS" BY THE CITY OF CHAMPAIGN CODE OFFICIAL. REFER TO SECTION 012200 – UNIT PRICES.

DEMOLITION NOTES (SHEET C2.0)

1. THE EXISTING TOPOGRAPHIC INFORMATION INDICATED FOR THIS PROJECT IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY FARNSWORTH GROUP, INC. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TOPOGRAPHIC INFORMATION INDICATED ON THE DRAWINGS AND SHALL DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING TOPOGRAPHIC INFORMATION ABOVE OR BELOW GROUND, SHOWN OR NOT SHOWN, PRIOR TO CONSTRUCTION. DISCREPANCIES IN EXISTING TOPOGRAPHIC DATA SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY FOR REVIEW.
2. CONTRACTOR SHALL NOTIFY AND COORDINATE UTILITY ABANDONMENTS AND RELOCATIONS WITH APPROPRIATE UTILITY COMPANY AFFECTED. CALL JULIE AT 800-892-0123 2 DAYS BEFORE YOU BEGIN CONSTRUCTION OPERATIONS. CONTRACTOR SHALL COMPLY WITH ALL CITY & UTILITY COMPANY REQUIREMENTS WHEN DISCONNECTING EXISTING UTILITY SERVICE FROM BUILDINGS TO BE REMOVED.
3. UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR. DUE TO THE AGE OF THE SITE, UNKNOWN UTILITIES MAY BE DISCOVERED AND SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY.
4. CONTRACTOR SHALL REMOVE ALL EXISTING UTILITIES INDICATED WITHIN THE PROPOSED BUILDING FOOTPRINTS, AND BACKFILL WITH APPROVED GRANULAR MATERIAL.
5. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO OTHER AREAS ADJACENT TO NEW CONSTRUCTION OR AREAS WHERE VARIOUS SYSTEM CONNECTIONS OR EXTENSIONS ARE REQUIRED.
6. TEMPORARY BARRICADES PERTAINING TO THE CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PEDESTRIANS IN AND AROUND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS.
7. PRIOR TO ANY DEMOLITION TAKING PLACE, PERIMETER EROSION CONTROL MEASURES MUST BE IN PLACE. SEE SHEET C5.0.
8. NO BURNING OR BURYING OF ANY DEMOLITION MATERIAL IS PERMITTED ON SITE.
9. CONTRACTOR TO VERIFY LOCATION OF THE NEW UC2B FIBER MAIN CURRENTLY UNDER CONSTRUCTION ALONG KENWOOD ROAD. USE EXTREME CAUTION FOR ALL CONSTRUCTION NEAR UC2B LINE.
10. THE EXISTING IRRIGATION LINES SHOWN WITHIN THE PROJECT LIMITS HAS BEEN ABANDONED IN PLACE BY THE OWNER. THE IRRIGATION LINE HAS BEEN CAPPED APPROXIMATELY 350 FEET SOUTH OF THE NEW BUILDING.
11. EXISTING TREES WITHIN THE PROJECT AREA HAVE BEEN REMOVED BY THE OWNER. CONTRACTOR IS TO REMOVE EXISTING STUMPS AND DISPOSE OF OFF-SITE.
12. EXISTING LIGHTS AND POLES SHALL BE REMOVED AND RETURNED TO THE OWNER. REFER TO THE SITE ELECTRICAL PLAN FOR ADDITIONAL INFORMATION.
13. FENCE REMOVED FOR UTILITY CONSTRUCTION SHALL BE REPLACED / REPAIRED UPON COMPLETION OF UTILITY CONSTRUCTION.

STANDARD LAYOUT NOTES (SHEET C3.0)

1. ALL PAVEMENT DIMENSIONS ARE MEASURED TO FACE OF CURB. WHERE APPLICABLE, COORDINATES ARE TO FACE OF CURB.
2. BUILDING DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECT'S PLANS PRIOR TO CONSTRUCTION.
3. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION, NOR SAFETY ON THE JOB SITE, NOR SHALL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ENGINEER NOR THE PRESENCE OF THE ENGINEER AT A CONSTRUCTION SITE SHALL RELIEVE THE CONTRACTOR OF THEIR OBLIGATIONS, DUTIES, AND RESPONSIBILITIES INCLUDING ANY HEALTH AND SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES.

UTILITY NOTES (SHEET C4.0)

1. COORDINATE THE ELECTRIC SERVICE CONNECTION POINT ON MAIN WITH UTILITY PROVIDER.
2. COORDINATE THE TELEPHONE SERVICE CONNECTION POINT ON MAIN WITH UTILITY PROVIDER.
3. COORDINATE THE GAS SERVICE CONNECTION POINT WITH UTILITY PROVIDER.
4. ALL NEW ROOF DRAINS SHALL BE CONNECTED TO THE PERIMETER STORM DRAIN AS INDICATED. ALL CONNECTIONS SHALL BE MADE WITH EITHER A WYE OR TEE CONNECTION.
5. COORDINATE ALL NEW/RELOCATED SERVICE LOCATIONS WITH THE MEP DESIGNS PRIOR TO INSTALLATION.
6. NEW 6 INCH DIAMETER FIRE SERVICE AND 2 INCH DIAMETER DOMESTIC SERVICE CAN BE INSTALLED IN THE SAME TRENCH. MINIMUM OF 2 FEET SEPARATION OUTSIDE TO OUTSIDE OF SERVICES.
7. DETECTOR CHECK VAULT SHALL MEET THE ILLINOIS AMERICAN WATER STANDARDS.
8. CONTRACTOR TO COORDINATE THE NEW TRANSFORMER LOCATION WITH AMEREN.
9. CONTRACTOR TO VERIFY LOCATION OF THE NEW UC2B FIBER MAIN CURRENTLY UNDER CONSTRUCTION ALONG KENWOOD ROAD. USE EXTREME CAUTION FOR ALL CONSTRUCTION NEAR UC2B LINE.
10. REFER TO SITE ELECTRICAL PLANS FOR NEW SITE ELECTRICAL AND LIGHT POLE ALIGNMENTS. NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO INSTALLATION.
11. ALL 6x6 ROOF DRAINS SHALL BE CONNECTED TO THE STORM BY THE SITE CONTRACTOR USING A 6x6 TO 6" ROUND, 6x6 TO 8" ROUND, OR 6x6 TO 10" ROUND ADAPTOR. VERIFY ADAPTOR TYPE PRIOR TO CONSTRUCTION.

EROSION CONTROL NOTES (SHEET C5.0)

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES AND HAVING ALL UNDERGROUND UTILITIES PROPERLY CALL THE TOLL-FREE J.U.L.I.E. TELEPHONE NUMBER, 1-800-892-0123, BEFORE STARTING LOCATED PRIOR TO ANY CONSTRUCTION. EXCAVATION, ALLOW 48 HOURS FOR OTHER THAN EMERGENCY ASSISTANCE.
2. ALL FILL AREAS SHALL BE STRIPPED OF ALL TOPSOIL PRIOR TO PLACING EMBANKMENT MATERIAL. LAWN AREAS THAT HAVE RECEIVED EMBANKMENT MATERIAL SHALL RECEIVE AT LEAST 6" OF TOPSOIL AS THE FINAL COURSE OF FILL IN PREPARATION FOR SEEDING OPERATIONS. ALL LAWN AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE OWNER.
3. EMBANKMENT MATERIAL SHALL BE PLACED IN NO MORE THAN 8" LIFTS AND SHALL BE COMPACTED IN ACCORDANCE WITH SOILS REPORT.
4. TEMPORARY SILTATION PROTECTION SHALL BE CONSTRUCTED AS SILT FILTER BASKETS IN ALL EXISTING AND PROPOSED INLETS AND MANHOLES AND SILT FILTER FENCE WHERE INDICATED ON THE PLANS TO PROTECT FROM SILTATION ONTO ADJACENT PROPERTY AND ROADWAYS.
5. PERMANENT STABILIZATION SHALL INCLUDE THE SEEDING OR SODDING OF LAWN AREAS DISTURBED AND PAVED SURFACE COURSE FOR ROADWAYS AND PARKING. ALL PERMANENT SEEDING SHALL TAKE PLACE IMMEDIATELY FOLLOWING FINAL GRADING OPERATIONS IN ANY COMPLETED AREA WITHIN THE CONSTRUCTION LIMITS.
6. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ON SITE. ALL TRASH AND CONSTRUCTION DEBRIS WILL BE HAULED TO THE LOCAL MUNICIPAL DUMP AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL SOLID WASTE MANAGEMENT REGULATIONS.
7. THE CONTRACTOR SHALL PROVIDE SOLID WASTE COLLECTION DURING CONSTRUCTION TO MINIMIZE POLLUTION.
8. ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. THE OWNER WILL BE RESPONSIBLE FOR MAINTAINING THESE PROCEDURES DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL PROVIDE A STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE DETAIL INCLUDED WITH THESE PLANS AT LOCATIONS INDICATED ON THE PLANS TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ANY EXCESS MUD, DIRT OR ROCK TRACKED ONTO EXISTING STREETS WILL BE CHECKED FOR DAILY AND REMOVED AS NECESSARY.
10. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ILLINOIS EPA.
11. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED ON THE FIRST DAY OF CONSTRUCTION ACTIVITIES. ALL BARE SOIL SURFACES NOT IN MAJOR CONSTRUCTION AREAS SHALL BE TEMPORARILY SEEDED WITHIN 7 DAYS, WEATHER AND SOIL CONDITIONS PERMITTING.
12. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES AND THE STORM WATER POLLUTION PREVENTION PLAN PREPARED FOR THIS PROJECT AND AVAILABLE FROM OWNER.
13. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS ON ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); EMBANKMENTS OF PONDS, BASINS, AND TRAPS; AND WITHIN FOURTEEN (14) DAYS ON ALL OTHER DISTURBED OR GRADED AREAS. THE REQUIREMENTS OF THIS SECTION DO NOT APPLY TO THOSE AREAS WHICH ARE SHOWN ON THE PLAN AND ARE CURRENTLY BEING USED FOR MATERIAL STORAGE OR FOR THOSE AREAS ON WHICH ACTUAL CONSTRUCTION ACTIVITIES ARE CURRENTLY BEING PERFORMED.

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SCIENTISTS

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ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

BID SET

PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	SDS
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SHEET TITLE:

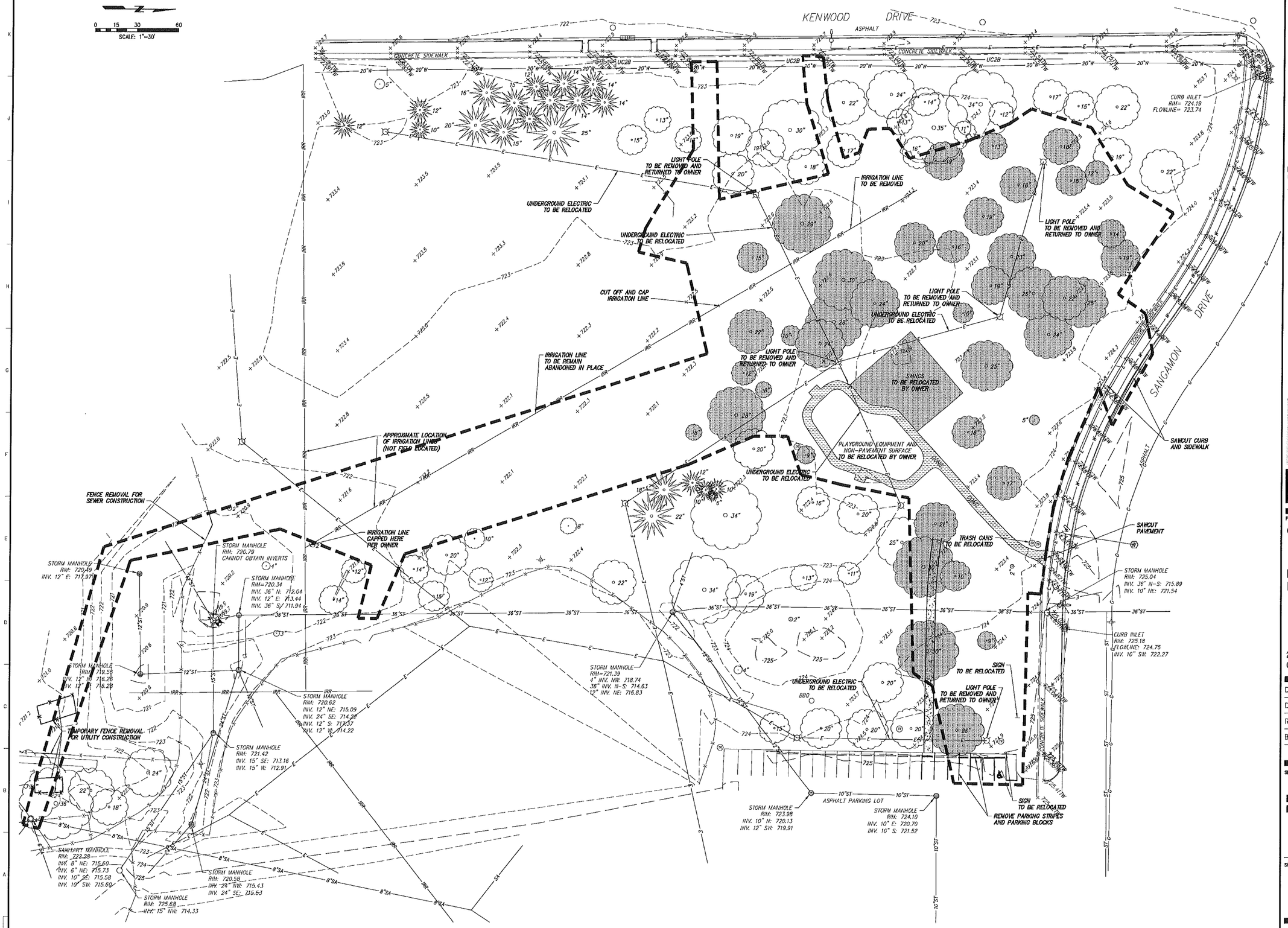
GENERAL NOTES

SHEET NUMBER:

C1.0

Project No.: 0111316.00

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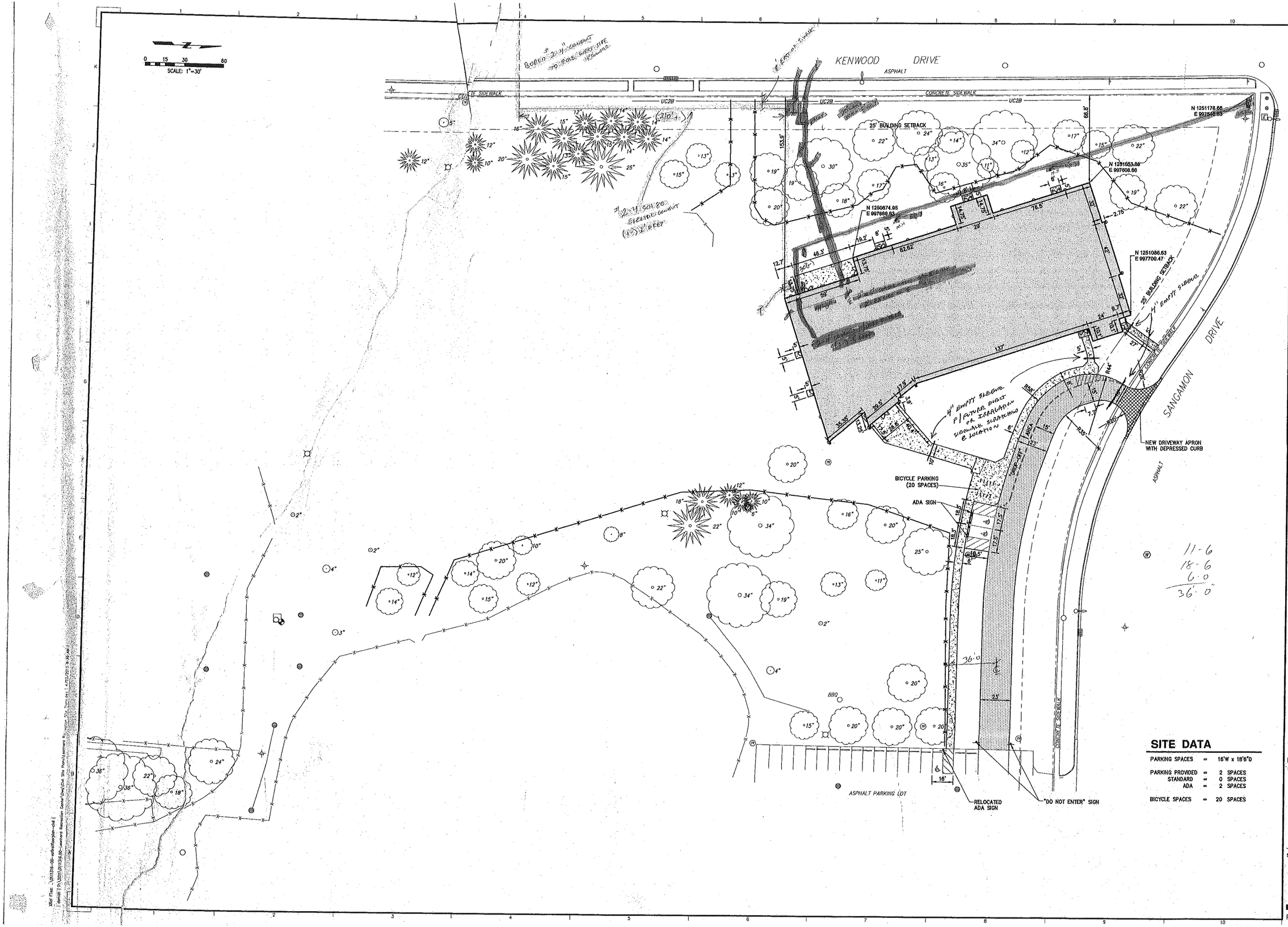
EXISTING CONDITIONS / DEMOLITION PLAN

SHEET NUMBER:

C2.0

Project No.: 0111316.00

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SITE DATA

PARKING SPACES	=	16'W x 18'6"D
PARKING PROVIDED	=	2 SPACES
STANDARD	=	0 SPACES
ADA	=	2 SPACES
BICYCLE SPACES	=	20 SPACES

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SHEET TITLE:

LAYOUT PLAN

A.S. BUILT FOR ELECTRIC & TELE UNDERGRD

SHEET NUMBER:

C3.0

Project No.: 0111316.00

STORM SEWER DATA

STORM MANHOLE #1.1
I.D.O.T. TYPE A
WITH SOLID LID
RIM ELEV. = 722.15
INV. 36" N-S =712.7± (EXIST.)
INV. 12" NW = 714.47 (NEW)

STORM INLET #1.2
CONTROL MANHOLE
I.D.O.T. TYPE A WITH
TYPE B FRAME & GRATE
RIM ELEV. = 718.25
INV. 21" N = 714.74
INV. 12" SE = 714.65
2.1" ORIFICE = 714.65

STORM MANHOLE #1.3
I.D.O.T. TYPE A WITH
TYPE B FRAME & GRATE
RIM ELEV. = 722.00
INV. 15" E = 716.88
INV. 15" W = 716.71
INV. 21" S = 716.00

STORM INLET #1.4
I.D.O.T. INLET TYPE B WITH
TYPE B FRAME & GRATE
RIM ELEV. = 722.60
INV. 15" W = 717.25
INV. 15" N = 717.25

STORM MANHOLE #1.5
I.D.O.T. TYPE A WITH
TYPE 1 FRAME & GRATE
RIM ELEV. = 723.50
INV. 12" W = 719.00
INV. 12" E = 719.00
INV. 15" S = 718.75

STORM INLET #1.6
I.D.O.T. INLET TYPE A WITH
TYPE 1 FRAME & GRATE
RIM ELEV. = 723.50
INV. 12" E = 720.50
INV. 6" W = 721.00

STORM INLET #1.7
I.D.O.T. INLET TYPE A WITH
TYPE 1 FRAME & GRATE
RIM ELEV. = 724.00
INV. 12" W = 721.00

STORM INLET #1.8
I.D.O.T. INLET TYPE B WITH
TYPE B FRAME & GRATE
RIM ELEV. = 722.00
INV. 15" E = 717.60
INV. 15" N = 717.60

STORM INLET #1.9
I.D.O.T. INLET TYPE B WITH
TYPE B FRAME & GRATE
RIM ELEV. = 722.00
INV. 12" N = 718.40
INV. 15" S = 718.15

STORM INLET #1.10
I.D.O.T. INLET TYPE A WITH
TYPE B FRAME & GRATE
RIM ELEV. = 722.00
INV. 12" S = 718.75

ST-CO #1
CLEAN-OUT CAP = 724.40
INV. 6" = 721.20

ST-CO #2
CLEAN-OUT CAP = 724.70
INV. 6" = 722.35
INV. 6" = 722.23

RD#1
ROOF DRAIN
INV. 8" = 722.50

RD#2
ROOF DRAIN
INV. 8" = 722.50

RD#3
ROOF DRAIN
INV. 6" = 721.74

RD#4
ROOF DRAIN
INV. 8" = 722.50

RD#5
ROOF DRAIN
INV. 8" = 722.37
INV. 8" = 722.20

RD#6
ROOF DRAIN
INV. 8" = 722.50

RD#7
ROOF DRAIN
INV. 8" = 722.50

RD#8
ROOF DRAIN
INV. 8" = 722.40

RD#9
ROOF DRAIN
INV. 8" = 722.50

RD#10
ROOF DRAIN
INV. 8" = 722.35

RD#11
ROOF DRAIN
INV. 8" = 722.50

RD#12
ROOF DRAIN
INV. 8" = 722.38

RD#13
ROOF DRAIN
INV. 6" = 722.25

RD#14
ROOF DRAIN
INV. 6" = 722.50

RD#15
ROOF DRAIN
INV. 6" = 722.40
INV. 6" = 722.05

RD#16
ROOF DRAIN
INV. 6" = 722.50

RD#17
ROOF DRAIN
INV. 6" = 722.40

RD#18
ROOF DRAIN
INV. 6" = 722.50

SANITARY SEWER DATA

SANITARY MANHOLE #1.0
EXISTING MANHOLE
RIM = 722.28
INV. 8" NE =715.60 (EXIST.)
INV. 6" NE =715.73 (EXIST.)
INV. 10" SE =715.58 (EXIST.)
INV. 10" SW =715.60 (EXIST.)
INV. 8" W = 715.60 (NEW)

SANITARY MANHOLE #1.1
RIM = 722.00
INV. 8" NW = 716.59
INV. 8" SE = 716.49

SANITARY MANHOLE #1.2
RIM = 722.0±
INV. 8" N = 718.69
INV. 8" S = 718.59

SANITARY MANHOLE #1.3
RIM = 722.85
INV. 8" S = 719.21
INV. 6" NW = 719.40

SA-CO #1
CLEAN-OUT CAP = 724.60
INV. 6" = 720.75±

SA-CO #2
CLEAN-OUT CAP = 724.85
INV. 6" = 720.83±

UTILITY CROSSINGS

UC#1 INV. 12" STORM = 719.84
TOP 6" WATER = 718.32
INV. 2" WATER = 718.32

UC#2 INV. 8" SAN. = 718.80
TOP 21" STORM = 717.49

UC#3 INV. 6" SAN. = 719.74
TOP 15" STORM = 718.40

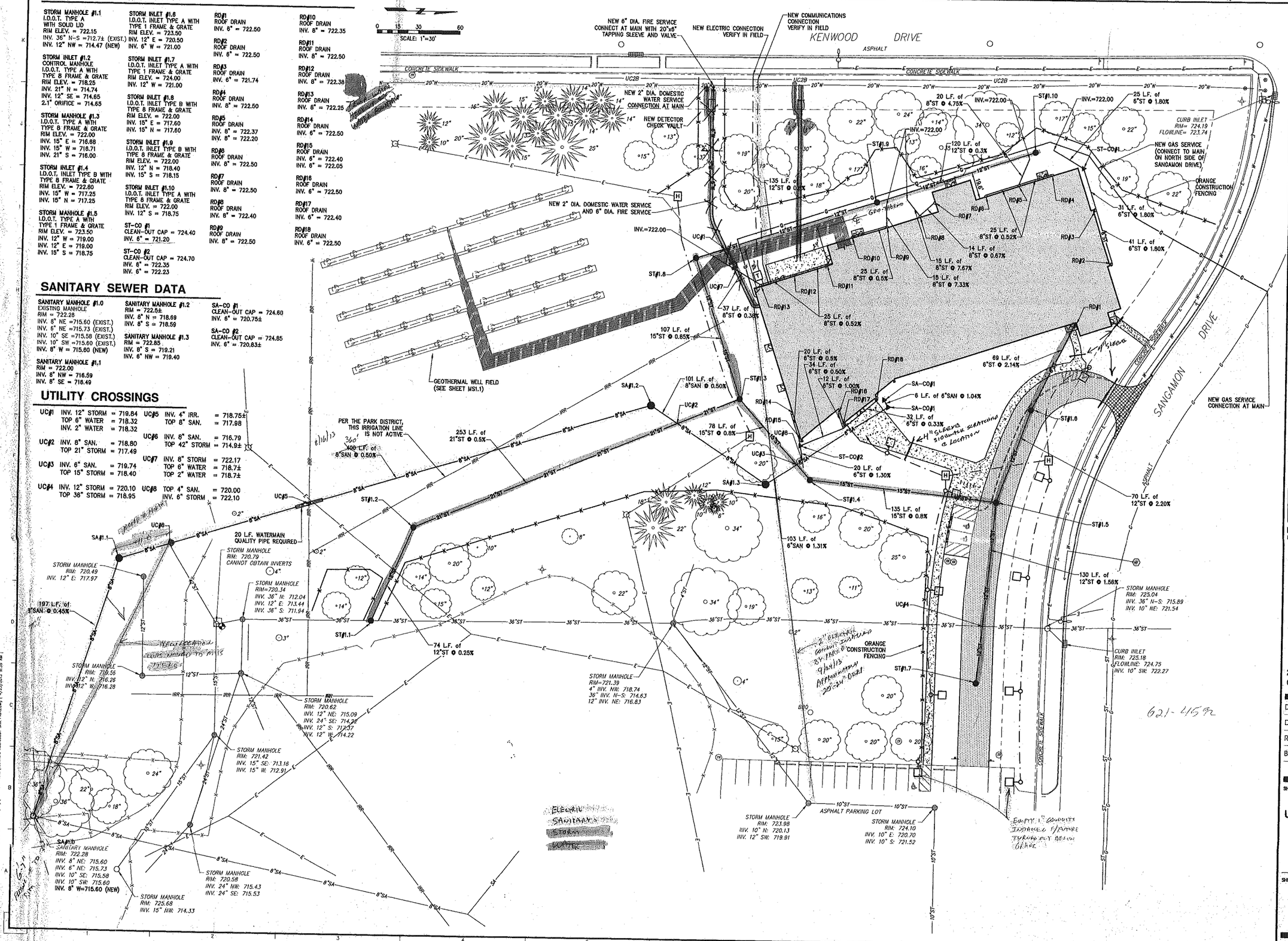
UC#4 INV. 12" STORM = 720.10
TOP 36" STORM = 716.95

UC#5 INV. 4" IRR. = 718.75±
TOP 8" SAN. = 717.98

UC#6 INV. 8" SAN. = 716.79
TOP 42" STORM = 714.9±

UC#7 INV. 8" STORM = 722.17
TOP 6" WATER = 718.7±
TOP 2" WATER = 718.7±

UC#8 TOP 4" SAN. = 720.00
INV. 6" STORM = 722.10



ENGINEERS
ARCHITECTS
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SCIENTISTS

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1819 S. NEIL STREET, SUITE F
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(217) 352-7408 / (217) 352-7409 Fax

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ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

BID SET

PROJECT:
Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	SDS
Reviewed:	PJM
Book No.:	Field:

SHEET TITLE:

UTILITY PLAN

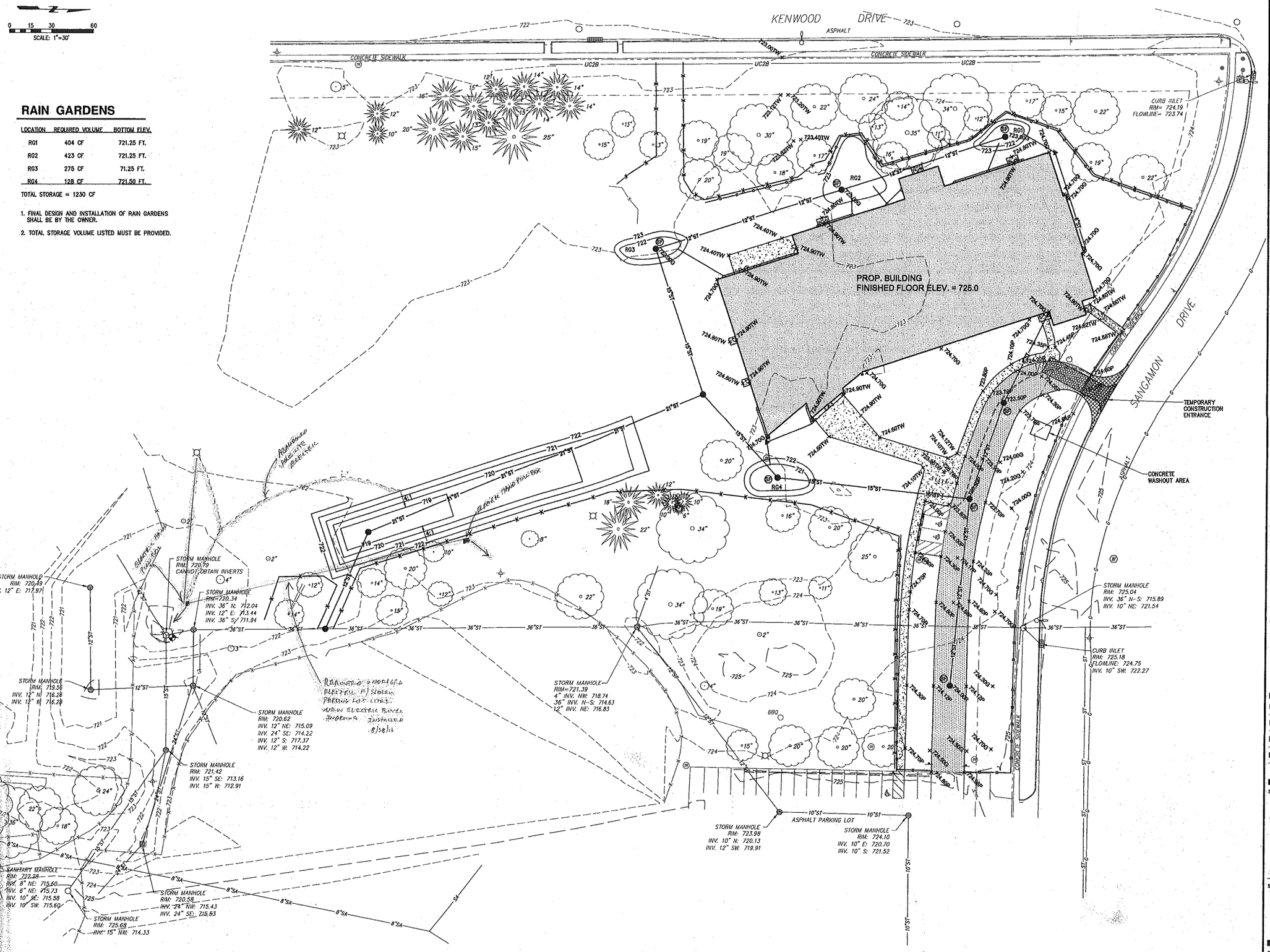
SHEET NUMBER:

C4.0

Project No.: 0111316.00

621-4592

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RAIN GARDENS

LOCATION	REQUIRED VOLUME	BOTTOM ELEV.
RG1	404 CF	721.25 FT.
RG2	423 CF	721.25 FT.
RG3	275 CF	71.25 FT.
RG4	128 CF	721.50 FT.

TOTAL STORAGE = 1230 CF

1. FINAL DESIGN AND INSTALLATION OF RAIN GARDENS SHALL BE BY THE OWNER.
2. TOTAL STORAGE VOLUME LISTED MUST BE PROVIDED.

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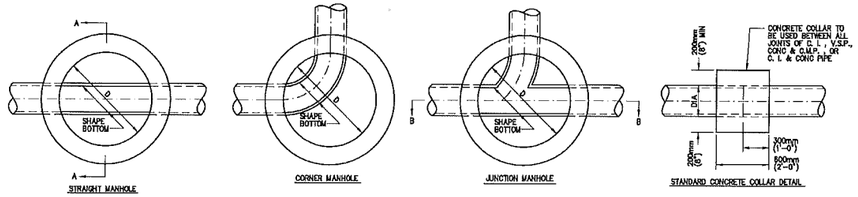
GRADING PLAN & EROSION CONTROL PLAI

SHEET NUMBER:

C5.0

Project No.: 0111316.00

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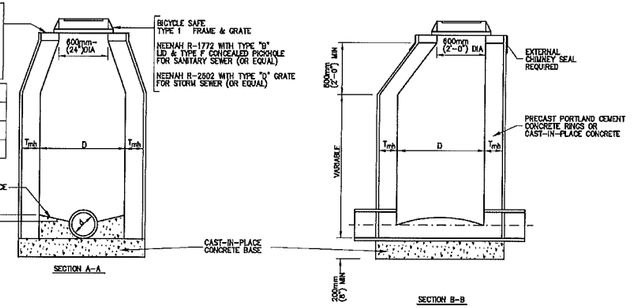
FINAL ADJUSTMENT TO BE MADE WITH PRECAST ADJUSTING RINGS OR WITH BRICKS LAID RADIALLY & MORTARED

ADJUSTMENT RANGE: 100mm (4") MIN 250mm (9") MAX

MASTIC IS NOT PERMITTED ON ADJUSTING RINGS

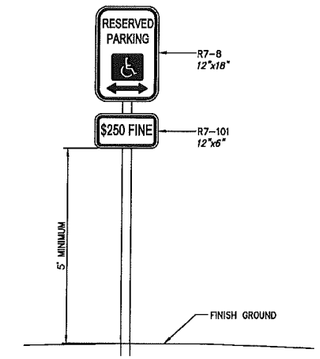
DIA OF SEWER	DIA OF MANHOLE	PRECAST T_{mh}
THRU 760mm (30")	1.2m (4')	100mm (4")
THRU 1.2m (48")	1.5m (5')	125mm (5")
1.3m (54")	1.8m (6')	150mm (6")

CAST-IN-PLACE MANHOLES SHALL BE A MINIMUM OF T_{mh}= 150MM (6") THICK



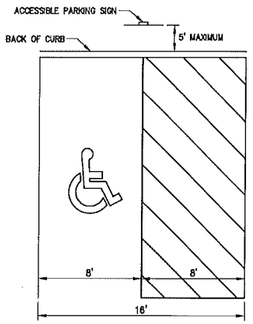
STANDARD MANHOLE PLANS & SECTIONS

NOT TO SCALE



ACCESSIBLE SIGNAGE DETAIL

NOT TO SCALE

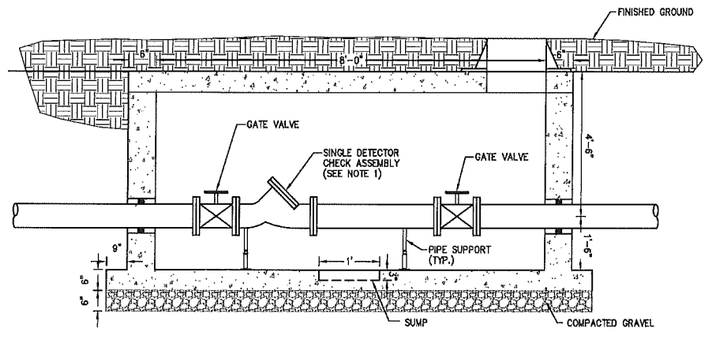


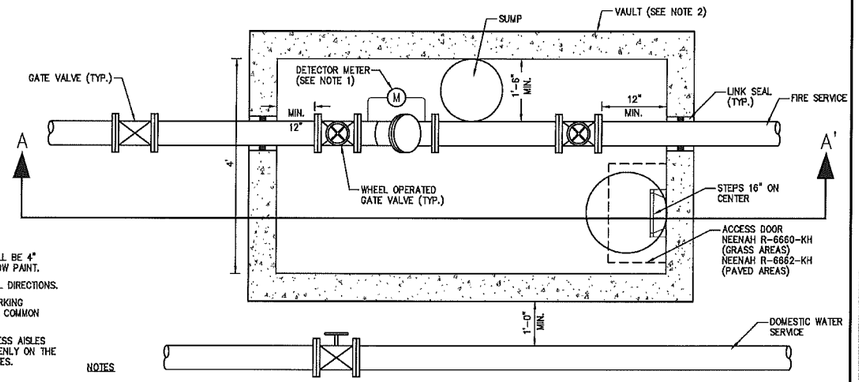
NOTES

1. PAVEMENT MARKINGS SHALL BE 4" WIDE, HIGH-QUALITY YELLOW PAINT.
2. 2% MAXIMUM SLOPE IN ALL DIRECTIONS.
3. ADJACENT ACCESSIBLE PARKING SPACES CANNOT SHARE A COMMON ACCESS AISLE.
4. IF MULTIPLE SPACES, ACCESS AISLES SHALL BE DISTRIBUTED EVENLY ON THE RIGHT AND LEFT HAND SIDES.

LEGAL ACCESSIBLE PARKING DETAIL

NOT TO SCALE



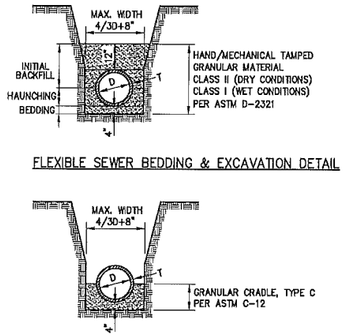


NOTES

1. SINGLE DETECTOR CHECK ASSEMBLY BYPASS PIPING SHOULD INCLUDE CHECK VALVE AND ⅝" METER. ASSEMBLY SHALL BE UL LISTED AND FM APPROVED. METER SHALL BE SUPPLIED, INSTALLED, AND MAINTAINED BY THE WATER COMPANY.
2. PRECAST CONCRETE VAULT TO BE IDOT CLASS SI AND STEEL PER ASTM A615. SLOPE BOTTOM TO 12" DIAMETER SUMP. SEAL WATERTIGHT BETWEEN PIPE AND WALL.
3. CONTRACTOR SHALL PROVIDE A FLANGED SPACER PIPE IN THE LOCATIONS WHERE A METER WILL BE INSTALLED BY THE WATER COMPANY.

DETECTOR CHECK VAULT

NOT TO SCALE



FLEXIBLE SEWER BEDDING & EXCAVATION DETAIL

RIGID SEWER BEDDING & EXCAVATION DETAIL

SEWER PIPE BEDDING DETAIL

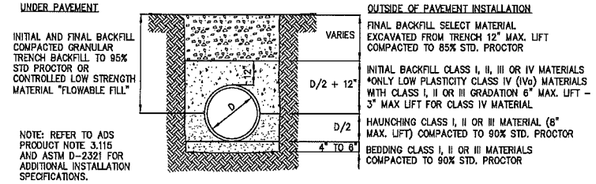
NOT TO SCALE

CLASS I: ANGULAR CRUSHED STONE OR ROCK, DENSE OR OPEN GRADED WITH LITTLE OR NO FINES (1/4" TO 1 1/2")

CLASS II: CLEAN, COARSE GRAINED MATERIALS, SUCH AS GRAVEL, COARSE SANDS AND GRAVEL/SAND MIXTURES (1 1/2" MAX.)

CLASS III: COARSE GRAINED MATERIALS WITH FINES INCLUDING SILTY OR CLAYEY GRAVELS OR SANDS. GRAVEL OR SAND MUST COMPRISE MORE THAN 50 PERCENT OF CLASS III MATERIAL (1 1/2" MAX.)

CLASS IV: FINE GRAINED MATERIALS, SUCH AS FINE SAND AND SOILS CONTAINING 50 PERCENT OR MORE CLAY OR SILT. SOILS CLASSIFIED AS CLASS IVa HAVE MEDIUM TO LOW PLASTICITY AND ARE NOT RECOMMENDED, BUT CAN BE USED IN THE BEDDING, HAUNCHING OR INITIAL BACKFILL. SOILS CLASSIFIED AS CLASS IVb HAVE HIGH PLASTICITY AND ARE NOT RECOMMENDED FOR BEDDING, HAUNCHING OR INITIAL BACKFILL.

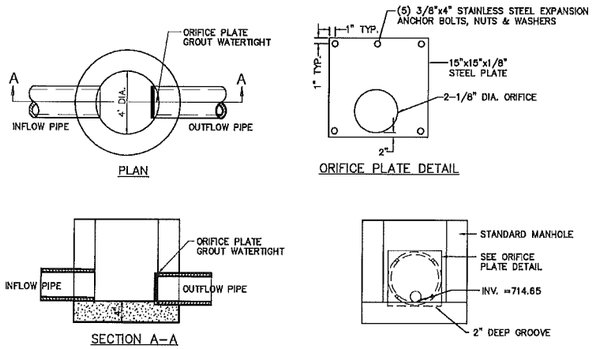


TYPICAL TRENCH DETAIL FOR HDPE STORM SEWER

NOT TO SCALE

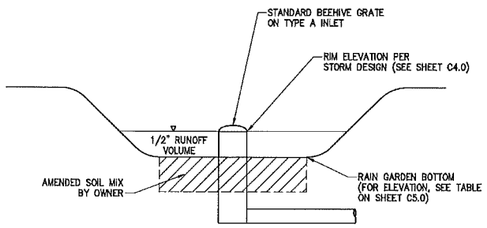
PIPE BEDDING AND EXCAVATION DETAILS

NOT TO SCALE



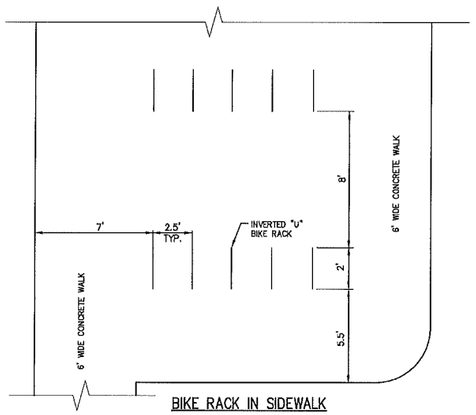
CONTROL MANHOLE DETAILS

NOT TO SCALE

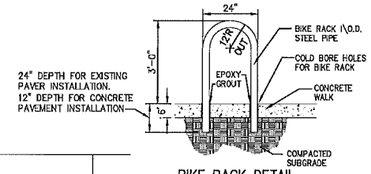


PROTOTYPICAL RAIN GARDEN DETAIL

NOT TO SCALE



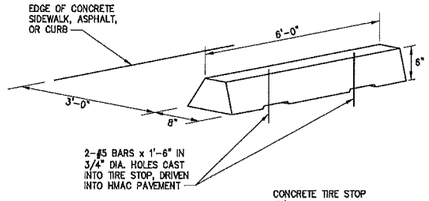
BIKE RACK IN SIDEWALK



BIKE RACK DETAIL

BIKE RACK DETAILS

NOT TO SCALE



PRECAST TIRE STOP DETAIL

NOT TO SCALE

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CHAMPAIGN PARK DISTRICT

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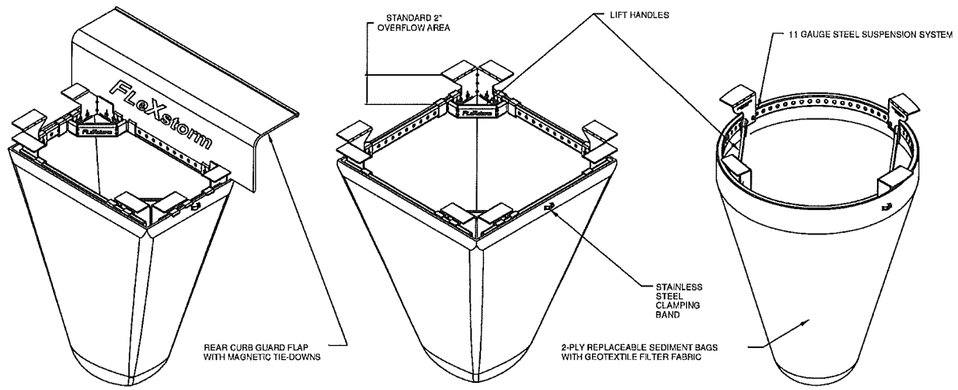
DETAILS

SHEET NUMBER:

C6.0

Project No.: 0111316.00

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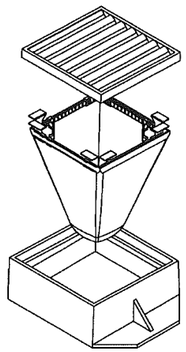


TYPICAL CURB BOX INLET FILTER

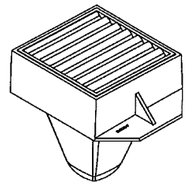
TYPICAL FLAT/RECTANGULAR/ROLLED CURB INLET FILTER

TYPICAL ROUND INLET FILTER

IPP *FLe*Xstorm Inlet Filter Specifications			
Material Property	*Test Method*	*Value (min ave)*	
> Inner Filter Bag Specs (2 ft² min vol)		Non-Woven	Woven Mono
Grab Tensile	ASTM D 4632	100 lbs	200 lbs
Puncture Strength	ASTM D 4833	65 lbs	90 lbs
Trapezoidal Tear	ASTM D 4533	45 lbs	75 lbs
UV Resistance	ASTM D 4355	70% at 500 hrs	90%
App Open Size (AOS)	ASTM D 4751	70 sieve (.212 mm)	40 sieve (.425 mm)
Permittivity	ASTM D 4491	2.0/sec	2.1/sec
Water Flow Rate	ASTM D 4491	145 gpm/sqft	145 gpm/sqft
> Polyester Outer Reinforcement Bag Specifications			
Weight	ASTM D 3776	4.55 oz/sqyd +/- 15%	
Thickness	ASTM D 1777	.040 +/- .005	
> Frame Construction			
A36 Structural Steel; 11 Guage; Zinc Plated	ASTM A 576	*Tensile Strength > 58,000 psi; Yield Strength > 36,000 psi*	



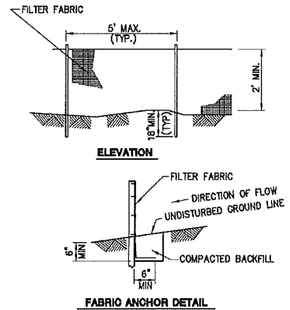
INSTALLATION:
1. REMOVE GRATE
2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
3. REPLACE GRATE



DRAWN: Jamie		ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC 1635 TONNE RD ELK GROVE, IL WWW.INLETFILTERS.COM (847) 722-0690 PH (847) 364-5262 FX SALES@INLETFILTERS.COM
CHECKED		
QA		
MFG		
APPROVED		
SIZE: C	DWG NO: IPP Flexstorm Specifications	REV
SCALE	SHEET 1 OF 1	

IPP FLEXSTORM INLET FILTER DETAIL

NOT TO SCALE

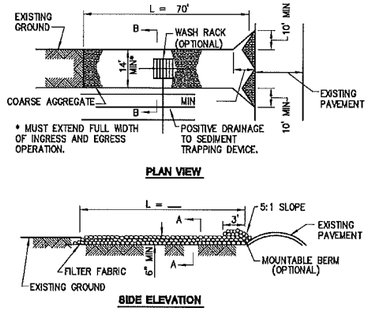


NOTES

1. TEMPORARY SEDIMENT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
2. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS I WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
3. FENCE POSTS SHALL BE EITHER STANDARD STEEL POST OR WOOD POST WITH A MINIMUM CROSS-SECTIONAL AREA OF 3.0 SQ. IN.

PERIMETER BARRIER - SILT FENCE DETAIL

NOT TO SCALE



NOTES

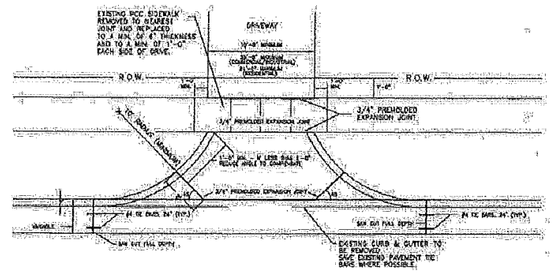
1. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE I OR 2, CLASS I, II OR IV AND SHALL BE PLACED OVER THE CLEARED AREA PRIOR TO THE PLACING OF ROCK.
2. ROCK OR RECLAIMED CONCRETE SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATION, CA-1, CA-2, CA-3 OR CA-4 AND BE PLACED ACCORDING TO CONSTRUCTION SPECIFICATION 25 ROCKFILL USING PLACEMENT METHOD 1 AND CLASS III COMPACTION.
3. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS.
4. IF WASH RACKS ARE USED THEY SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.

STABILIZED CONSTRUCTION ENTRANCE PLAN

NOT TO SCALE

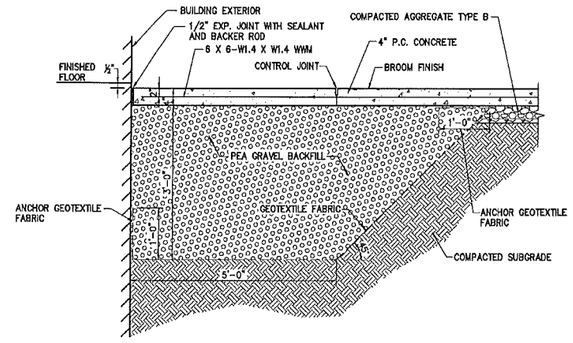
BARRIER CURB RADIUS APPROACH

(LESS THAN 10' FROM BACK OF CURB TO SIDEWALK)



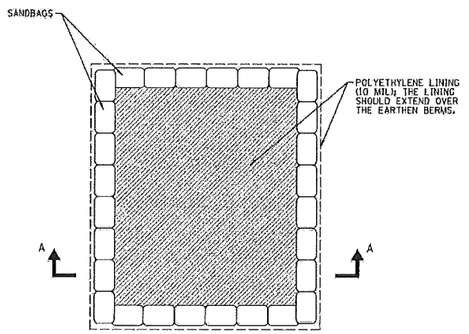
DRIVEWAY STANDARD DETAIL

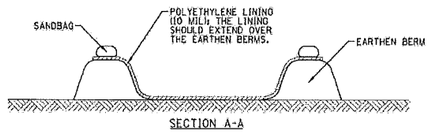
NOT TO SCALE



STOOP DETAIL AT BUILDING ENTRY

NOT TO SCALE





NOTES:

1. LAYDOWN YARD CONCRETE WASHOUT TO BE USED FOR DRUM WASHOUT.
2. LAYDOWN YARD CONCRETE WASHOUT SHALL BE SIZED TO CONTAIN APPROXIMATELY 4000 GALLONS/DAY AND TO CONTAIN RUNOFF THAT DRAINS TO AND ENTERS THE SYSTEM FOR A TWO-YEAR FREQUENCY, 24-HOUR STORM EVENT AND FOR A MINIMUM 12-INCH FREEBOARD.

CONCRETE WASHOUT AREA DETAIL

NOT TO SCALE

ENGINEERS
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DETAILS

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C7.0

Project No.: 0111316.00

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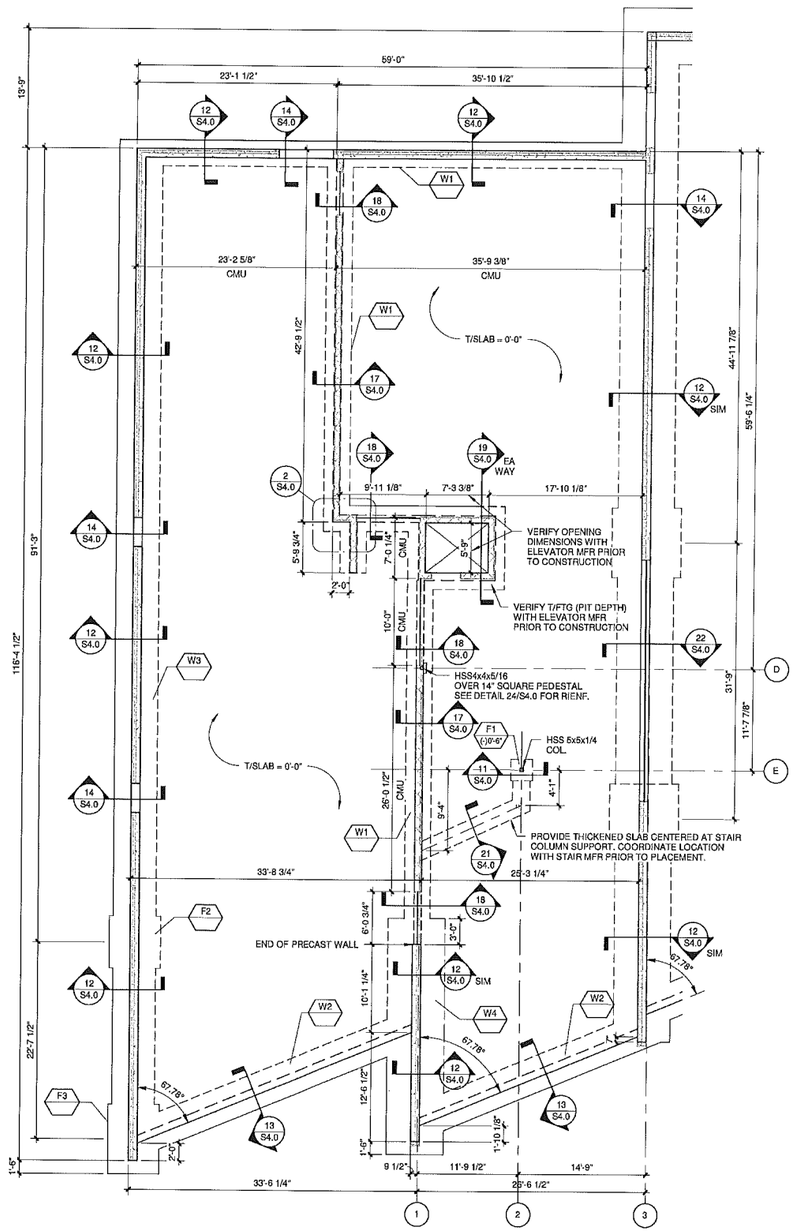
FOUNDATION PLAN NOTES:

1. SEE S1.0 FOR GENERAL STRUCTURAL NOTES.
2. DESIGN SOIL BEARING PRESSURE IS 2500 PSF UNDER ISOLATED FOOTINGS AND 2000 PSF UNDER CONTINUOUS WALL FOOTINGS.
3. SEE ARCHICTECTURAL FOR DIMENSIONS NOT SHOWN.
4. DIMENSIONS SHOWN TO FACE OF CONCRETE UNLESS OTHERWISE NOTED.
5. SLAB SHALL BE LASER LEVELED WHERE REQUIRED. SEE ARCHITECTURAL FOR FLOOR SLAB SLOPE REQUIREMENTS.
6. COMPACTED FILL UNDER SLAB ON GRADE SHALL BE 6" CA6 UNLESS OTHERWISE SHOWN ON DRAWINGS AS RECOMMENDED BY A GEOTECHNICAL ENGINEER.
7. SEE THIS SHEET FOR CONTINUOUS FOOTING AND PAD FOOTING SCHEDULE.
8. T/FOOTING ELEVATION = -1'-0" UNLESS OTHERWISE NOTED.
9. T/SLAB ELEVATION = 0'-0" UNLESS OTHERWISE NOTED.
10. SEE 2/S4.0 FOR TYPICAL CORNER AND WALL INTERSECTION REINFORCEMENT.
11. SLAB ON GRADE SHALL BE 4" NORMAL WEIGHT CONCRETE REINFORCED WITH 4.0LB/YD^3 STRUX 90/40 FIBER MIXED PER ICC-ES ESR-2942 OR EQUAL.
12. INSTALL CONTROL/CONSTRUCTION JOINTS AT ALL COLUMNS, INTERIOR CORNERS, AND WITH A MAX. JOINT SPACING OF 12'. SEE DETAIL 1/S4.0.
13. SEE DETAIL 7/S4.0 FOR SLAB CRACK CONTROL DETAILS.
14. SEE DETAIL 5/S4.0 FOR CONCRETE WALL CONSTRUCTION/CONTROL JOINT DETAIL.
15. COORDINATE ALL FLOOR SLAB AND FOUNDATION WALL OPENINGS WITH OTHER TRADES. SEE DETAIL 4 & 8/S4.0 FOR TYPICAL WALL SLEEVE DETAILS.
16. SEE DETAIL 20/S4.0 FOR STEP FOOTING REQUIREMENTS AT ELEVATOR AND PAD FOOTINGS.
17. ALL CMU BEARING WALLS SHALL BE REINFORCED WITH #5 @ 32" O.C.
18. SEE 6/S5.0 FOR TYPICAL CMU BOND BEAM.
19. XXXXXX CMU BEARING WALLS

COLUMN SCHEDULE		
Column Location Mark	Type	Base Level
E-2	HSS5X5X1/4	Foundation Plan
D-1	HSS4X4X5/16	Foundation Plan
B-15	HSS6X6X1/4	Foundation Plan
C-15	HSS6X6X1/4	Foundation Plan
D-1	14 x 14	Foundation Plan

WALL FOOTING FOUNDATION SCHEDULE					
Mark	Width	Wall Ftg Thickness	Long.	Trans.	Remarks
W1	3'-0"	1'-0"	(4) #5	#5 @ 12" O.C.	BOT
W2	4'-0"	1'-0"		#5 @ 12" O.C.	BOT
W3	5'-0"	1'-0"	(6) #5	#5 @ 12" O.C.	BOT
W4	6'-6"	1'-0"	(7) #6	5 @ 12"	BOT

PAD FOOTING FOUNDATION SCHEDULE						
Mark	Width	Length	Pad Ftg Thickness	Long.	Trans.	Remarks
F1	2'-6"	2'-6"	1'-2"	(3) #5	(3) #5	BOT - USE CONT. WALL FTG REINF. AS LONG. REINF. WHERE OCCURS
F2	6'-0"	6'-0"	1'-6"	(7) #5	(7) #6	BOT - USE CONT. WALL FTG REINF. AS LONG. REINF. WHERE OCCURS
F3	6'-0"	8'-0"	1'-6"	(7) #5	(9) #6	BOT - USE CONT. WALL FTG REINF. AS LONG. REINF. WHERE OCCURS
F4	6'-0"	6'-0"	1'-6"	(9) #5	(9) #6	BOT - USE CONT. WALL FTG REINF. AS LONG. REINF. WHERE OCCURS



Foundation Plan

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

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CHAMPAIGN PARK DISTRICT

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2212 W. Sangamon Dr.
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Date:	05/01/13
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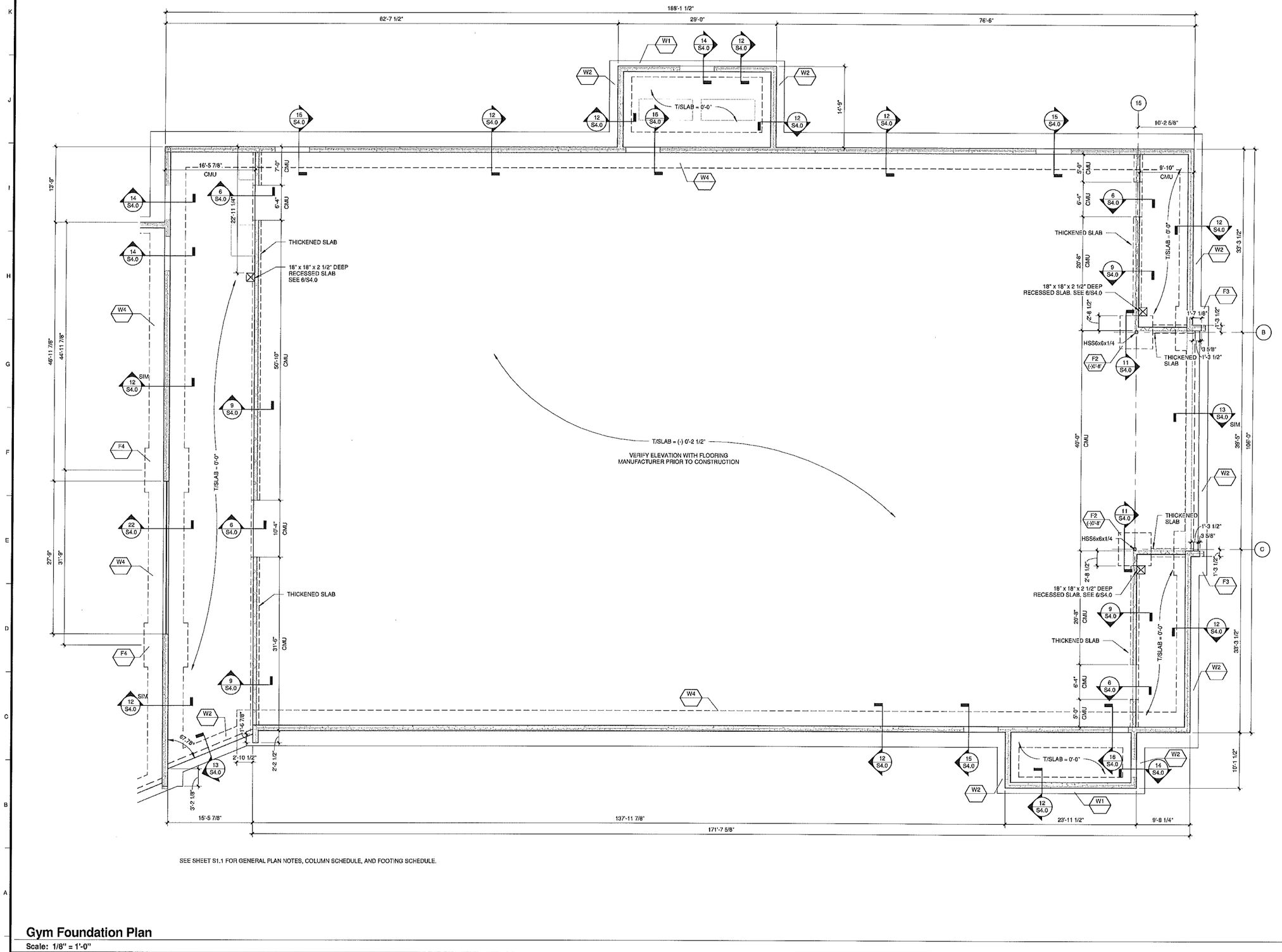
FOUNDATION PLAN

SHEET NUMBER

S1.1

Project No.: 0111316.00

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SEE SHEET S1.1 FOR GENERAL PLAN NOTES, COLUMN SCHEDULE, AND FOOTING SCHEDULE.

Gym Foundation Plan

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

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GYM FOUNDATION PLAN

SHEET NUMBER:

S1.2

Project No.: 0111316.00

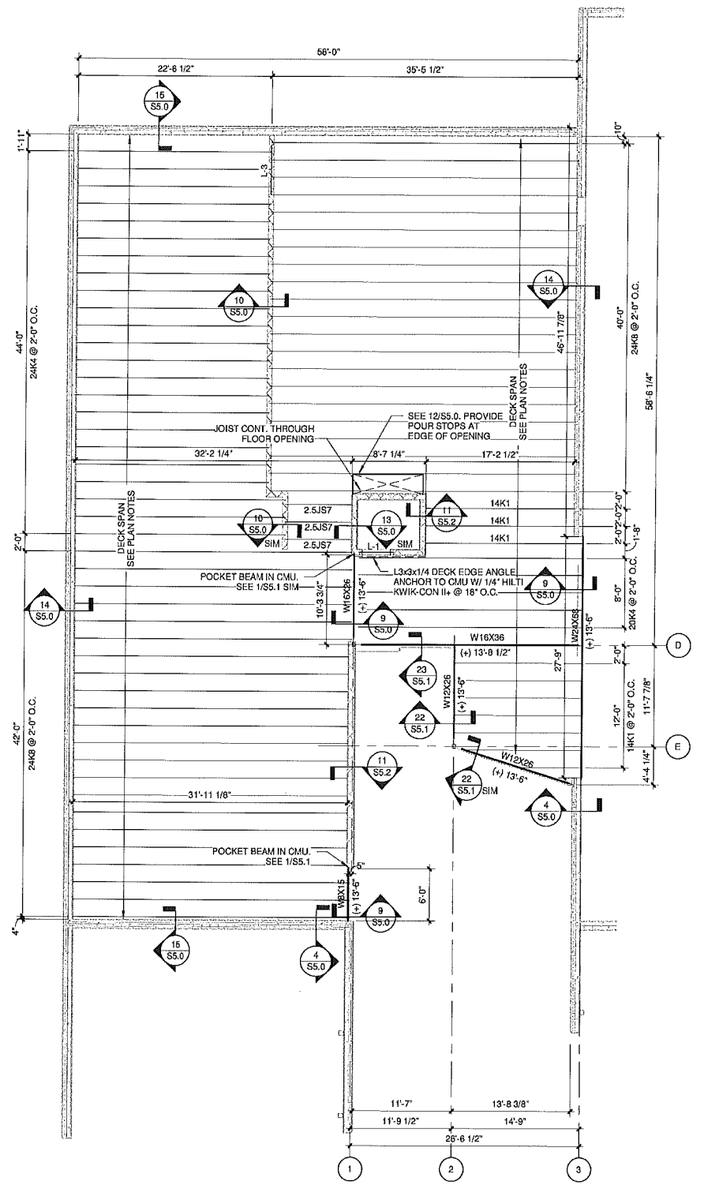
FLOOR FRAMING PLAN NOTES:

1. SEE S1.0 FOR GENERAL STRUCTURAL NOTES.
2. PRECAST MANUFACTURER SHALL COORDINATE ANY CONNECTIONS REQUIRED FOR BOTTOM JOIST EXTENSIONS OR BRIDGING REQUIREMENTS WITH THE JOIST MANUFACTURER.
3. SEE ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.
4. SEE PLAN FOR T/ BEAM ELEVATION NOTED THUS: W12x26 / (+) 13'-6"
5. FINISHED FLOOR ELEVATION = (+) 14'-0".
6. CMU BEARING WALLS
7. SEE FOUNDATION PLAN NOTES FOR CMU WALL REINFORCEMENT.
8. FLOOR CONSTRUCTION:1 1/2" 20 GAGE FORM DECK WITH CONCRETE SLAB REINFORCED WITH 4.0LB/YD^3 STRUX 90/40 FIBER MIXED PER ICC-ES ESR-2942 OR EQUAL.TOTAL DECK THICKNESS SHALL BE 3 1/2". FASTEN METAL DECK WITH #12 TEK SCREWS AT 36/4 PATTERN AT SUPPORTS AND (1) #10 TEK SCREW AT SIDELAPS.
9. SEE 3/S5.0 FOR TYPICAL STEEL FRAME SHEAR CONNECTIONS.
10. MECHANICAL UNIT LOAD SHOWN ON PLAN DOES NOT INCLUDE ANY REQUIRED CURBING.
11. COORDINATE SIZES AND LOCATIONS OF OPENINGS THROUGH FLOOR DECK WITH MECHANICAL CONTRACTOR.
12. SEE 8/S5.0 FOR BAR JOIST REINFORCING AT POINT LOADS.
13. SEE 7/S5.0 FOR TOP OF CMU WALL BRACING PARALLEL TO JOISTS WHERE OCCURS UNDER TRACK.
14. SEE 7/S5.2 FOR ELEVATOR RAIL DETAIL.

LINTEL SCHEDULE

LABEL	SIZE	REMARKS
L-1	2 COURSE CMU	SEE 6/S5.0
L-2	3 COURSE CMU	SEE 5/S5.0
L-3	5 COURSE CMU	SEE 5/S5.0

NOTES:
1. SEE ARCHITECTURAL DOOR/WINDOW INFO FOR ROUGH OPENING WIDTH AND TOP OF OPENING ELEVATION.
2. AT BEARING WALLS LOCATE MECHANICAL OPENINGS MINIMUM 1'-4" FROM WALL END. AT OPENINGS 12" TO 42" PROVIDE (2) L6x3 1/2x5/16 LLV. SEE MECHANICAL DRAWINGS FOR OPENING LOCATIONS.



Second Floor Framing

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

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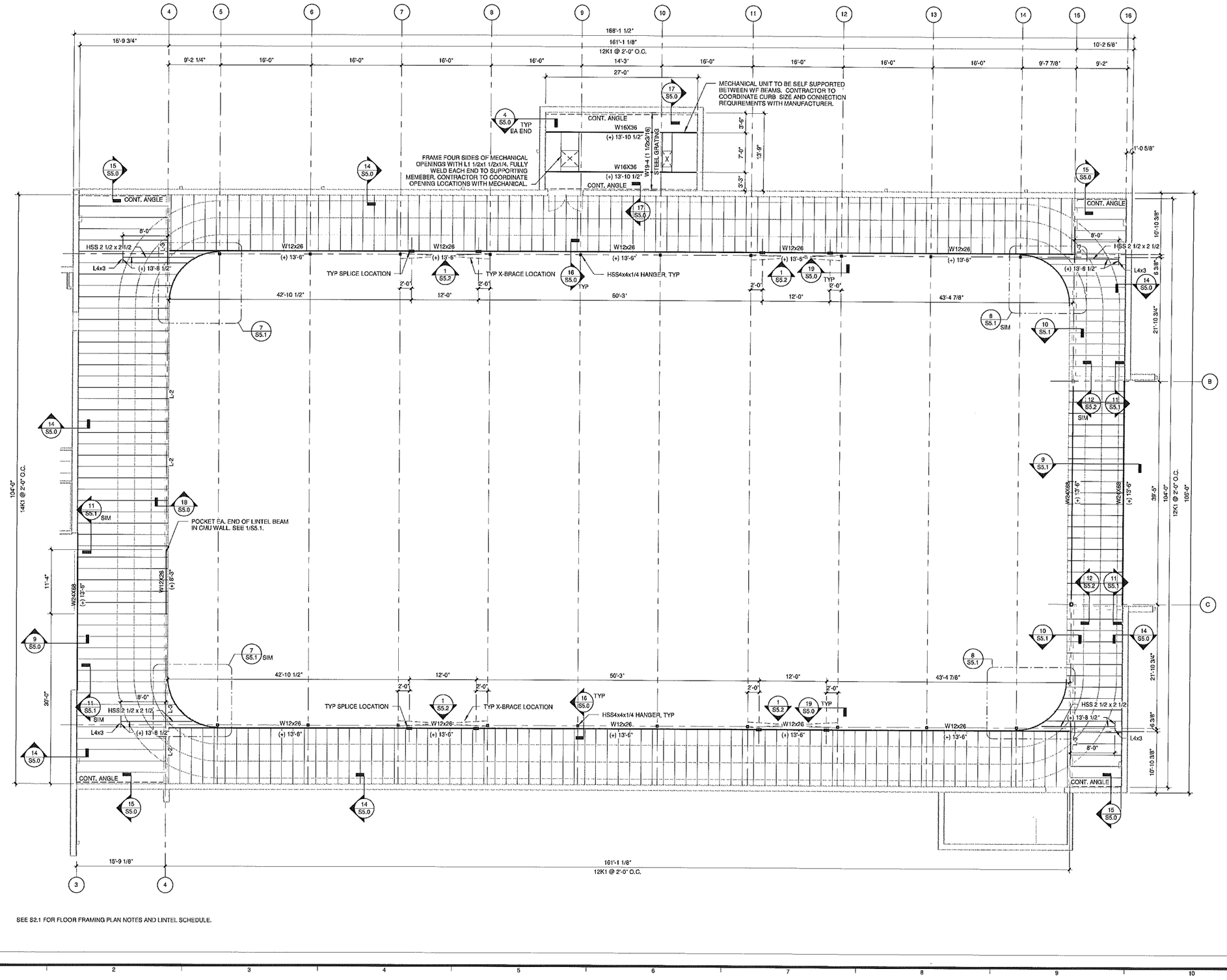
SECOND FLOOR FRAMING

SHEET NUMBER

S2.1

Project No.: 0111316.00

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SEE S2.1 FOR FLOOR FRAMING PLAN NOTES AND LINTEL SCHEDULE.

Track Framing

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

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TRACK FRAMING PLAN

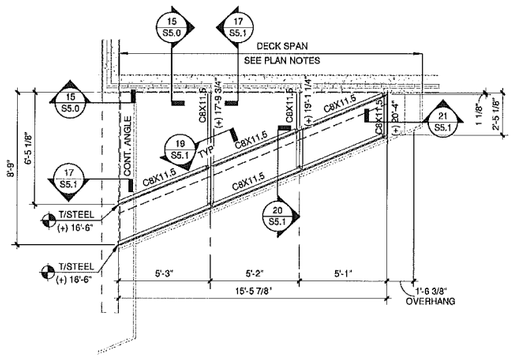
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S2.2

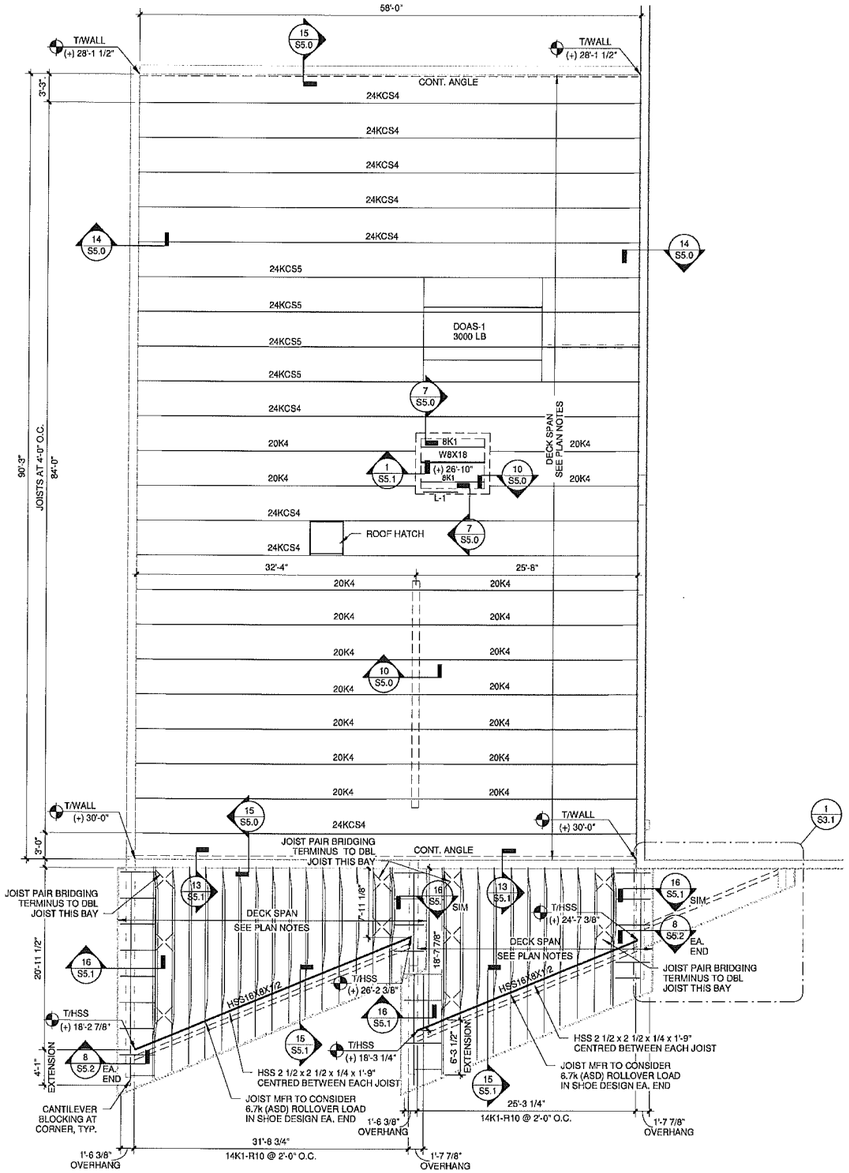
Project No.: 0111316.00

ROOF FRAMING PLAN NOTES:

1. SEE S1.0 FOR GENERAL STRUCTURAL NOTES.
2. SEE ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.
3. ROOF CONSTRUCTION: 1 1/2" WIDE RIB METAL ROOF DECK, 20 GAGE UNLESS OTHERWISE NOTED. USE ACOUSTIC DECK WHERE REQUIRED BY ARCHITECT. FASTEN WITH #12 TEK SCREWS WITH 36/4 PATTERN AT SUPPORTS AND (6)#10 TEK SCREWS AT SIDELAPS IN GYM ROOF AND (2)#10 TEK SCREWS AT SIDELAPS ELSEWEHERE.
4. MECHANICAL UNIT LOAD SHOWN ON PLAN DOES NOT INCLUDE ANY REQUIRED CURBING. CONTRACTOR TO VERIFY FINAL LOCATION AND LOAD PRIOR TO CONSTRUCTION.
5. COORDINATE SIZES AND LOCATIONS OF OPENINGS THROUGH ROOF DECK WITH MECHANICAL CONTRACTOR.
6. SEE 12/S5.0 FOR TYPICAL DECK OPENING & EQUIPMENT SUPPORT FRAMING.
7. SEE 8/S5.0 FOR TYPICAL BAR JOIST REINFORCING AT POINT LOADS.
8. PRECAST MANUFACTURER SHALL COORDINATE ANY CONNECTIONS REQUIRED FOR BOTTOM JOIST EXTENSIONS OR BRIDGING REQUIREMENTS WITH THE JOIST MANUFACTURER.
9. TYPICAL K-JOIST SHOE HEIGHT = 2 1/2". TYPICAL LH-JOIST SHOE HEIGHT = 5".
10. TYPICAL JOIST BEARING ELEVATION = 1'-8" BELOW TOP OF WALL ELEVATION SHOWN ON PLAN UNLESS OTHERWISE NOTED.
11. DESIGN MAIN ROOF BAR JOISTS FOR 70PLF NET UPLIFT.
12. DESIGN CURTAIN WALL, STAIRWELL, MECHANICAL ROOM, AND VESTIBULE SAWTOOTH ROOF BAR JOISTS FOR 115PLF NET UPLIFT.
13. TOP AND BOTTOM CHORD BRIDGING BY BAR JOIST MANUFACTURER.
14. GYM ROOF SPECIAL JOIST SHOE HEIGHT = 7 1/2".
15. GYM ROOF SPECIAL JOIST BEARING ELEVATION = 2'-0 1/2" BELOW TOP OF WALL ELEVATION. BOTTOM OF GYM ROOF TRUSS ELEVATION = 25'-4".
16. SEE DETAILS 1 & 2/S5.0 FOR GYM ROOF SPECIAL JOIST LOADING INFORMATION. FINAL CURTAIN AND BACKSTOP LOADING AND LOAD LOCATION TO BE COORDINATED WITH EQUIPMENT MANUFACTURER.
17. SEE FOUNDATION PLAN NOTES FOR CMU WALL REINFORCEMENT.
18. SEE 7/S5.0 FOR TOP OF CMU WALL BRACING PARALLEL TO JOISTS.
19. SEE 7/S5.2 FOR ELEVATOR RAIL DETAIL.
20. ALL OPENINGS IN PRECAST WALLS SHALL BE THE RESPONSIBILITY OF THE PRECASTER. SUPPORT FOR PRECAST ABOVE OPENINGS SHALL BE DESIGNED AND SUPPLIED BY THE PRECASTER AS PART OF THE PRECAST SYSTEM.



1 **Front Entry Roof Framing**
Scale: 1/4" = 1'-0"



Roof Framing
Scale: 1/8" = 1'-0"

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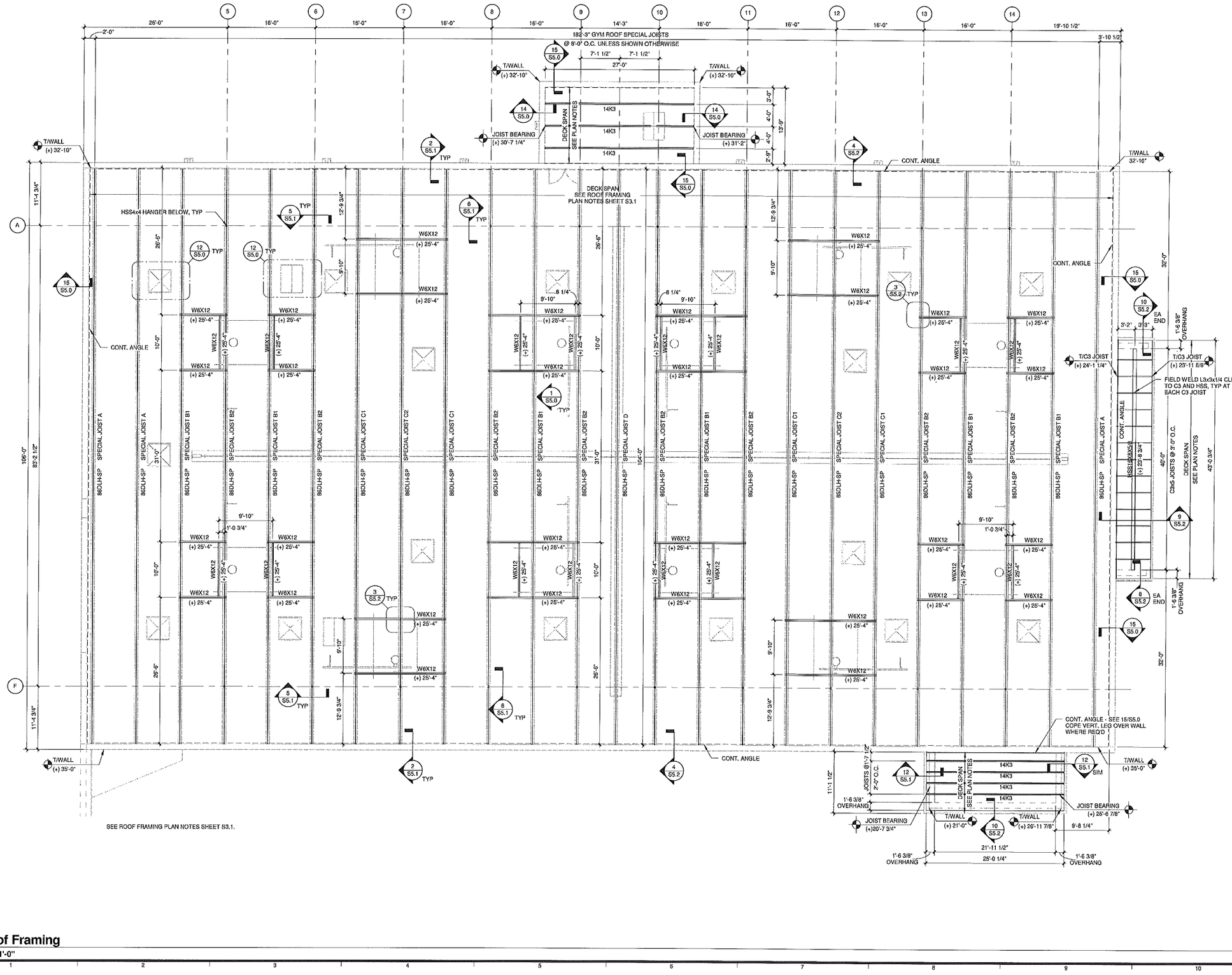
ROOF FRAMING PLAN

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Gym Roof Framing

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

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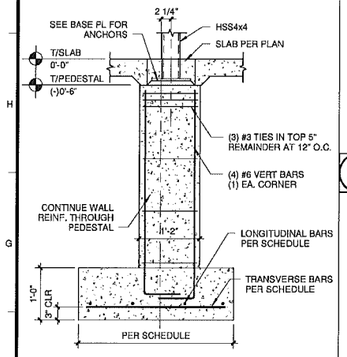
GYM ROOF FRAMING PLAN

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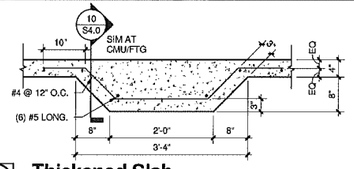
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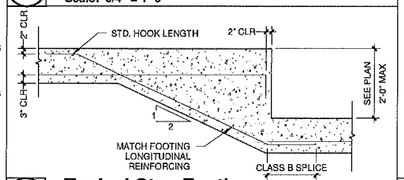
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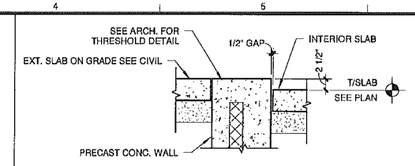
24 Pedestal Reinforcement
Scale: 3/4" = 1'-0"



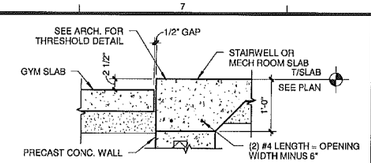
21 Thickened Slab
Scale: 3/4" = 1'-0"



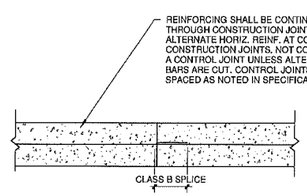
20 Typical Step Footing
Scale: 1/2" = 1'-0"



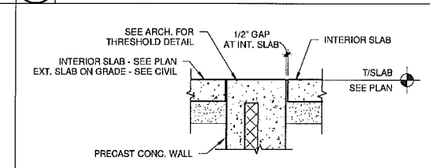
15 Recessed Slab at Precast Wall Opening
Scale: 3/4" = 1'-0"



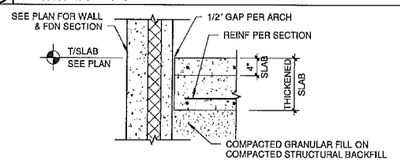
16 Opening at Stairwell and Mech Room
Scale: 3/4" = 1'-0"



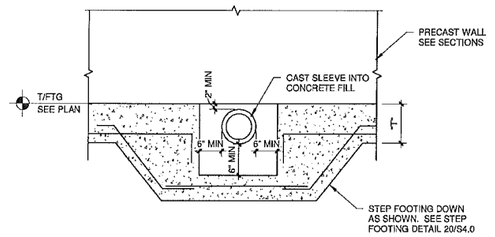
5 Wall Construction/Control Joint Detail
Scale: 3/4" = 1'-0"



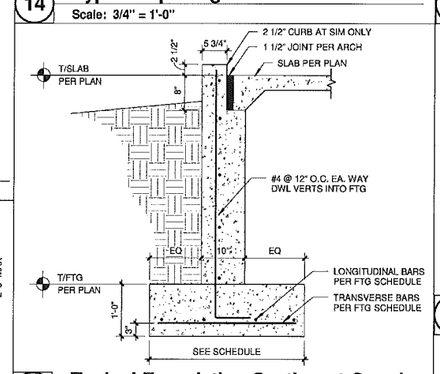
14 Typical Opening at Precast Wall
Scale: 3/4" = 1'-0"



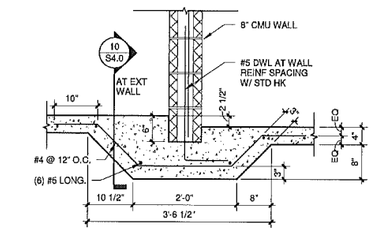
10 Thickened Slab End at Wall
Scale: 3/4" = 1'-0"



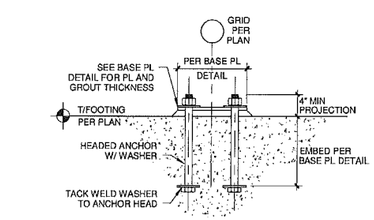
4 Pipe Penetration Detail
Scale: 3/4" = 1'-0"



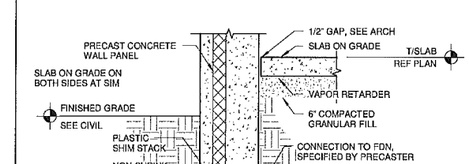
13 Typical Foundation Section at Opening
Scale: 3/4" = 1'-0"



9 Thickened Slab at CMU
Scale: 3/4" = 1'-0"

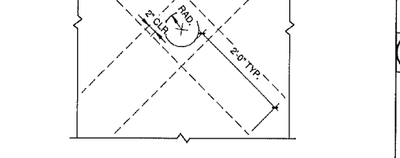


3 Typical Column Anchor
Scale: 1" = 1'-0"

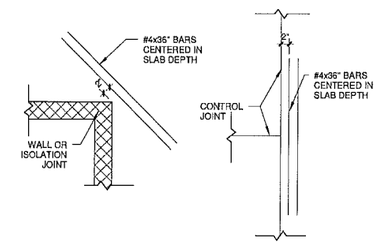


19 Elevator Shaft Section
Scale: 1/2" = 1'-0"

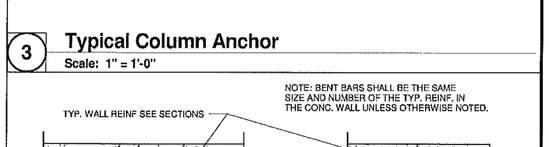
12 Typical Foundation Section at Precast
Scale: 3/4" = 1'-0"



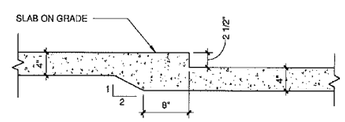
8 Sleeve Through Concrete Wall
Scale: 3/4" = 1'-0"



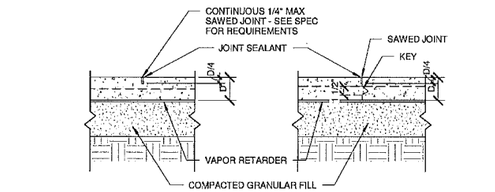
7 Typical Slab Crack Control Details
Scale: 3/4" = 1'-0"



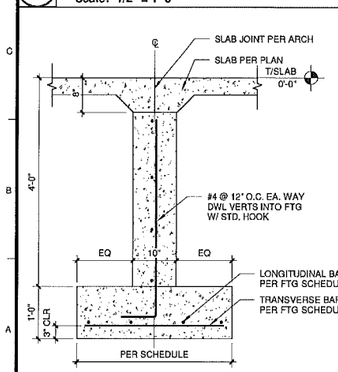
2 Single Reinforcement Wall Intersection Detail
Scale: 3/4" = 1'-0"



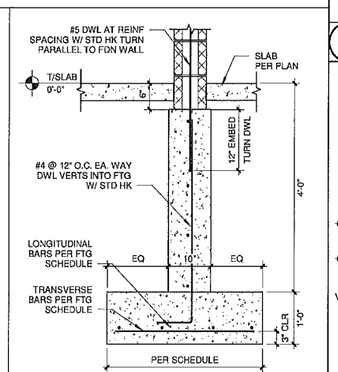
6 Slab Recess Detail
Scale: 1" = 1'-0"



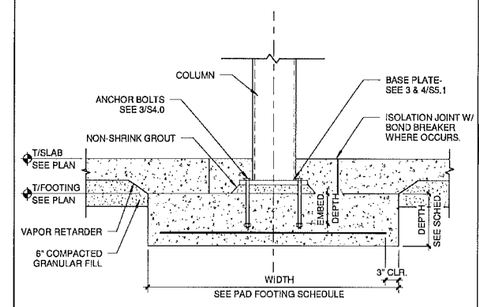
1 Slab Joint Details
Scale: 1" = 1'-0"



18 Interior Fdn Section at Opening
Scale: 3/4" = 1'-0"



17 Foundation Section at CMU
Scale: 3/4" = 1'-0"



11 Typical Pad Footing Detail
Scale: 3/4" = 1'-0"

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ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

Bid Set

PROJECT:
Champaign Park District

Patricia H. Leonhard Recreation Center

2212 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	AKS
Reviewed:	PMH
Book No.:	-

SHEET TITLE:

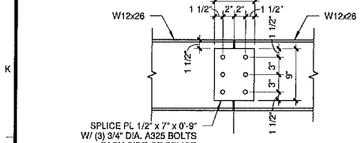
FOUNDATION DETAILS

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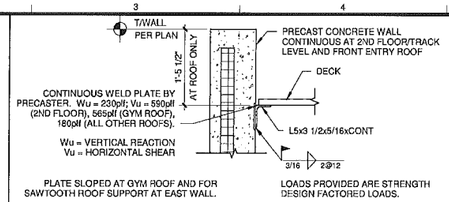
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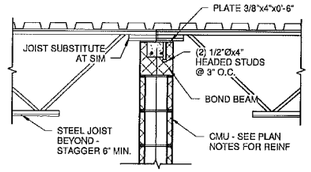
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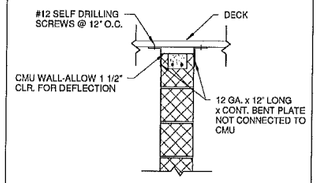
19 Track Edge Beam Splice
Scale: 1" = 1'-0"



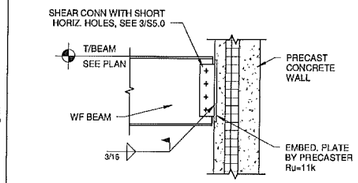
15 Deck Bearing at Precast
Scale: 3/4" = 1'-0"



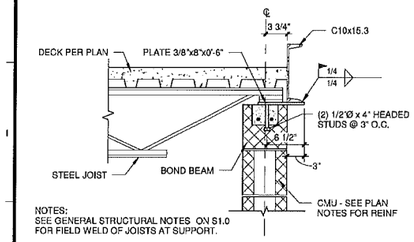
10 Joist Bearing on CMU walls
Scale: 3/4" = 1'-0"



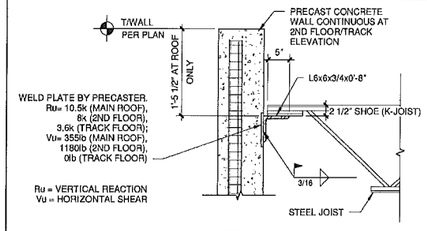
7 Top of CMU Wall Bracing
Scale: 3/4" = 1'-0"



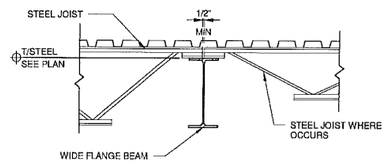
4 WF Beam at Precast Wall Face
Scale: 3/4" = 1'-0"



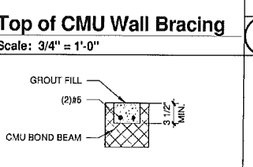
18 Track Edge at CMU - South End
Scale: 1" = 1'-0"



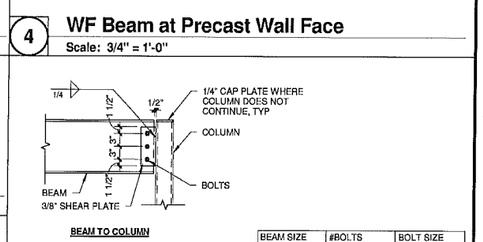
14 Joist Bearing at Precast Face
Scale: 3/4" = 1'-0"



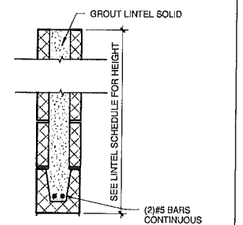
9 Steel Joist Bearing on WF Beam
Scale: 3/4" = 1'-0"



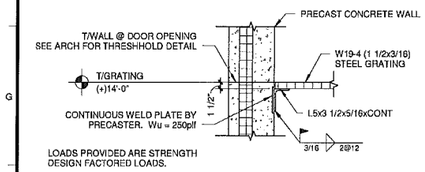
6 Typ. CMU Bond Beam
Scale: 1" = 1'-0"



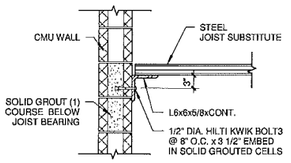
3 Typical Shear Conn
Scale: 3/4" = 1'-0"



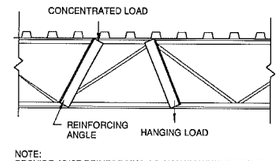
5 Typ. CMU Lintel
Scale: 1" = 1'-0"



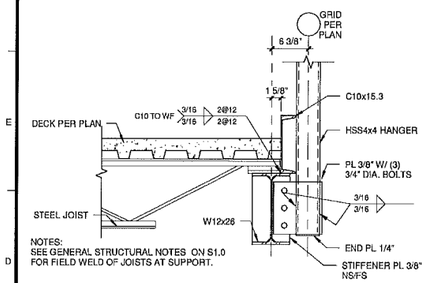
17 Grating Bearing at Precast
Scale: 3/4" = 1'-0"



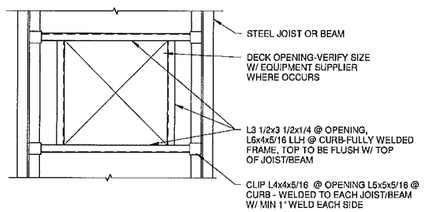
13 Joist Substitute Bearing at CMU Face
Scale: 3/4" = 1'-0"



8 Joist Hanging Load Detail
Scale: 3/4" = 1'-0"



16 Track Hanger Connection
Scale: 1" = 1'-0"

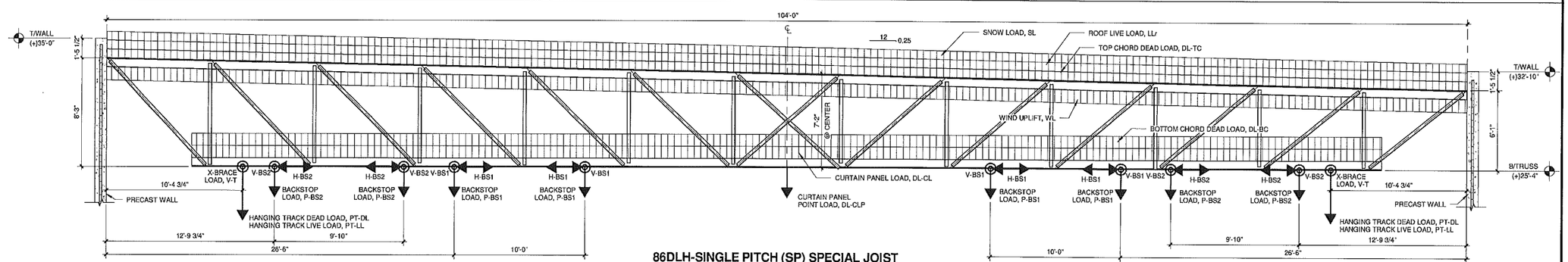


12 Typical Deck Opening or Equipment Support Frame
Scale: 1/2" = 1'-0"

SPECIAL JOIST	TOP CHORD LOADS				BOTTOM CHORD LOADS						BACKSTOP LOADS - BOTTOM CHORD					
	DL-TC (plf)	LLr (plf)	SL (plf)	WL (plf)	DL-BC (plf)	DL-CL (plf)	DL-CLP (lbs)	PT-DL (lbs)	PT-LL (lbs)	V-T (lbs)	P-BS1 (lbs)	H-BS1 (lbs)	V-BS1 (lbs)	P-BS2 (lbs)	H-BS2 (lbs)	V-BS2 (lbs)
A	160	160	176	203	80	0	80	0	0	0	0	0	0	0	0	0
B1	160	160	176	203	80	0	160	0	0	0	1100	250	750	0	0	0
B2	160	160	176	203	80	0	160	5150	8400	500	1100	250	750	0	0	0
C1	160	160	176	203	80	0	160	0	0	0	0	0	0	550	125	375
C2	160	160	176	203	80	0	160	5150	8400	500	0	0	0	1100	250	750
D	160	160	176	203	80	20	160	5150	8400	500	0	0	0	0	0	0

NOTES:
1. LOADS PROVIDED IN TABLE ARE UNFACTORED.
2. POSITIVE UNIFORM LOAD VALUE INDICATES LOAD PROJECTING TOWARD CHORD MEMBER SHOWN IN DIAGRAM.
3. POSITIVE POINT LOAD VALUE INDICATES LOAD DIRECTION AS SHOWN IN DIAGRAM.
4. JOISTS SHALL BE DESIGNED BY ROOF JOIST MANUFACTURER TO SUPPORT THE WORST CASE COMBINATION OF LOADS PROVIDED IN TABLE ABOVE.
5. FINAL CURTAIN AND BACKSTOP LOADING AND LOAD LOCATION TO BE COORDINATED WITH EQUIPMENT MANUFACTURER.
6. DEFLECTION CRITERIA:
   JOISTS WITHOUT TRACK (PT) LOADS: L/240 (TOTAL LOAD); L/240 (LIVE LOAD)
   JOISTS WITH TRACK (PT) LOADING: L/240 (TOTAL LOAD); L/360 (LIVE LOAD)
   JOISTS WITH BACKSTOP (PH) LOADING: L/240 (TOTAL LOAD); L/360 (LIVE LOAD)
7. JOIST MANUFACTURER TO COORDINATE BOTTOM CHORD WIDTH TO ALLOW FOR CONNECTION SHOWN IN DETAIL 5/S5.1.

2 Gym Roof Special Joist 86DLH-SP Load Table
Scale: 1/4" = 1'-0"



86DLH-SINGLE PITCH (SP) SPECIAL JOIST

1. FINAL CURTAIN AND BACKSTOP LOADING AND LOAD LOCATION TO BE COORDINATED WITH EQUIPMENT MANUFACTURER.
2. SEE 2/S5.0 FOR LOAD TABLE.

1 Gym Roof Special Joist Load Diagram
Scale: 1/4" = 1'-0"

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CHAMPAIGN PARK DISTRICT

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2212 W. Sangamon Dr.
Champaign, IL 61821

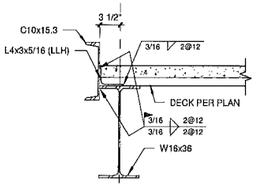
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Design/Drawn:	AKS
Reviewed:	PMH
Book No.:	-

SHEET TITLE:
FRAMING DETAILS

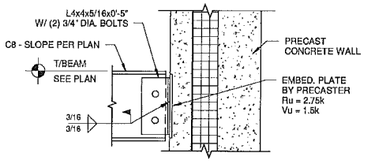
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Project No.: 0111316.00

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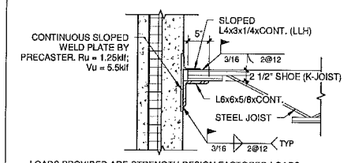


23 Edge of Mezzanine at Stair
Scale: 1" = 1'-0"



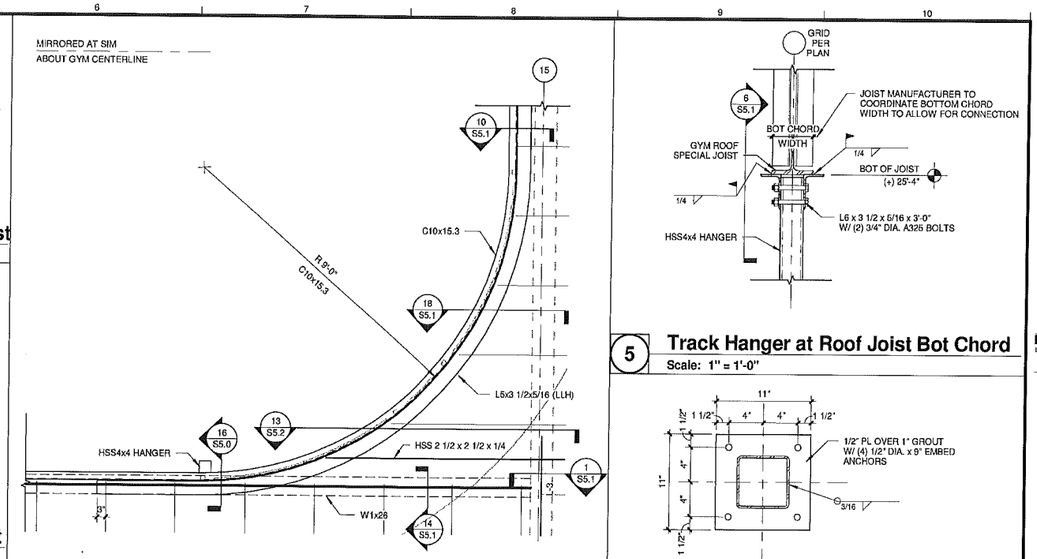
LOADS PROVIDED ARE STRENGTH DESIGN FACTORED LOADS.

17 C8 at Precast
Scale: 1 1/2" = 1'-0"



LOADS PROVIDED ARE STRENGTH DESIGN FACTORED LOADS.

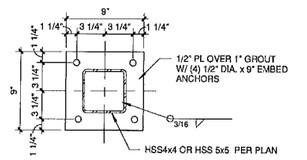
13 Sloped Joist Bearing at Precast
Scale: 3/4" = 1'-0"



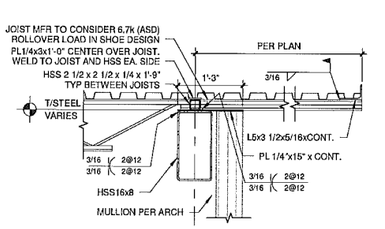
8 North Track Corner Framing
Scale: 1/2" = 1'-0"

5 Track Hanger at Roof Joist Bot Chord
Scale: 1" = 1'-0"

4 HSS 6x6 Base PL
Scale: 1 1/2" = 1'-0"



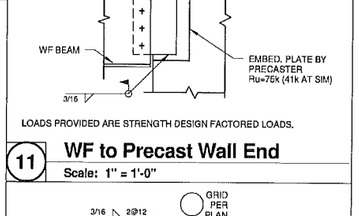
3 HSS 4x4 or HSS 5x5 Base PL
Scale: 1 1/2" = 1'-0"



LOADS PROVIDED ARE STRENGTH DESIGN FACTORED LOADS.

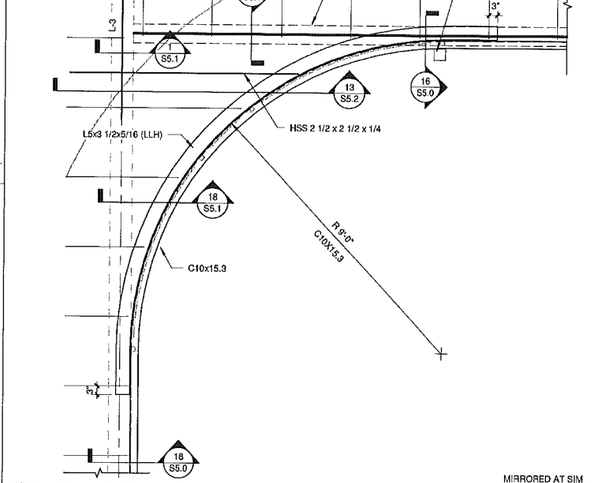
21 C8 Face to Precast
Scale: 1 1/2" = 1'-0"

15 Vestibule Front Overhang
Scale: 3/4" = 1'-0"



NOTES:
SEE GENERAL STRUCTURAL NOTES ON S1.0
FOR FIELD WELD OF JOISTS AT SUPPORT.

10 Track Edge at CMU - North End
Scale: 1" = 1'-0"



7 South Track Corner Framing
Scale: 1/2" = 1'-0"

LOADS PROVIDED ARE STRENGTH DESIGN FACTORED LOADS.

2 Gym Roof Joist Top Chord at Precast
Scale: 1" = 1'-0"

20 Low Vestibule Overhang
Scale: 1" = 1'-0"

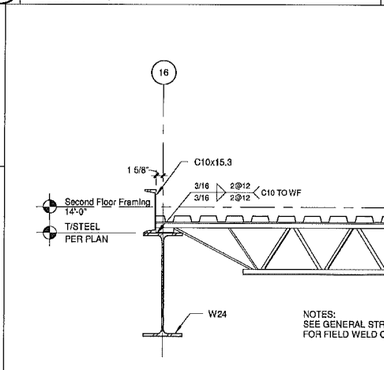
NOTES:
SEE GENERAL STRUCTURAL NOTES ON S1.0
FOR FIELD WELD OF JOISTS AT SUPPORT.

14 Track Corner Slab Transition
Scale: 1" = 1'-0"

6 Track Hanger Bracing at Roof Joist Bot Chord
Scale: 1" = 1'-0"

MAX POCKET WIDTH = 8".
POCKET SHALL BE GROUTED SOLID AFTER BEAM INSTALLATION.

1 Beam Pocket in CMU
Scale: 1" = 1'-0"



19 C8 Shear Conn
Scale: 1 1/2" = 1'-0"

18 Track Edge at Corner
Scale: 1" = 1'-0"

NOTES:
SEE GENERAL STRUCTURAL NOTES ON S1.0
FOR FIELD WELD OF JOISTS AT SUPPORT.

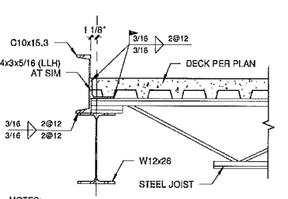
9 North Track Section
Scale: 3/4" = 1'-0"

LOADS PROVIDED ARE STRENGTH DESIGN FACTORED LOADS.

12 Joist Bearing at Top of Precast
Scale: 3/4" = 1'-0"

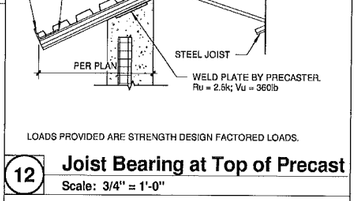
LOADS PROVIDED ARE STRENGTH DESIGN FACTORED LOADS.

16 Vestibule Side Overhang
Scale: 3/4" = 1'-0"



NOTES:
SEE GENERAL STRUCTURAL NOTES ON S1.0
FOR FIELD WELD OF JOISTS AT SUPPORT.

22 Edge of Mezzanine
Scale: 1" = 1'-0"



LOADS PROVIDED ARE STRENGTH DESIGN FACTORED LOADS.

11 WF to Precast Wall End
Scale: 1" = 1'-0"

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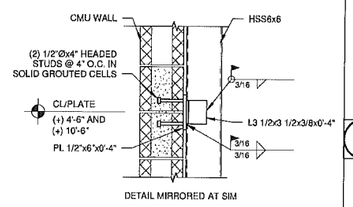
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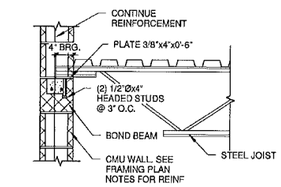
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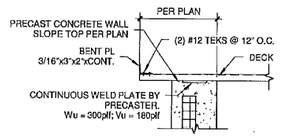


DETAIL MIRRORED AT SIM

12 Column Bracing
Scale: 1" = 1'-0"

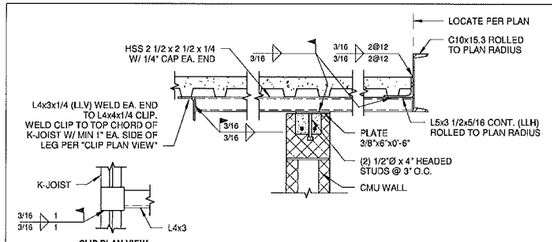


11 Joist Bearing in CMU Pocket
Scale: 3/4" = 1'-0"

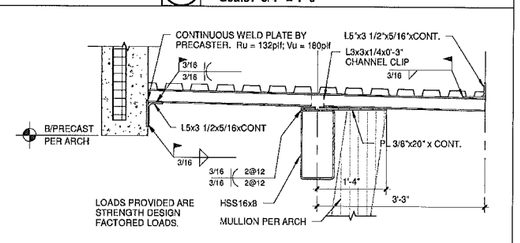


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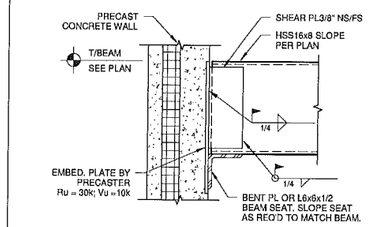
10 Deck Bearing Over Precast
Scale: 3/4" = 1'-0"



13 Corner Track Edge Bracing
Scale: 1" = 1'-0"

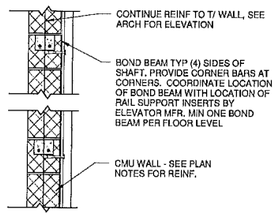


9 Curtain Wall Overhang
Scale: 3/4" = 1'-0"

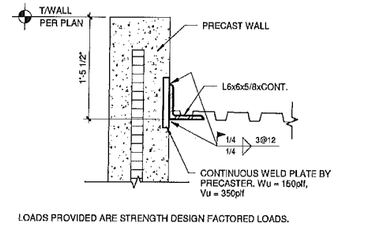


LOADS PROVIDED ARE STRENGTH DESIGN FACTORED LOADS.

8 HSS to Precast Face
Scale: 1" = 1'-0"

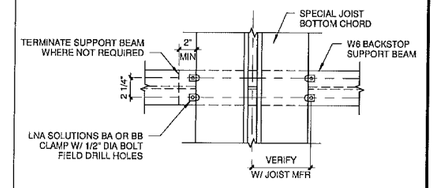


7 Elevator Shaft Rail
Scale: 3/4" = 1'-0"



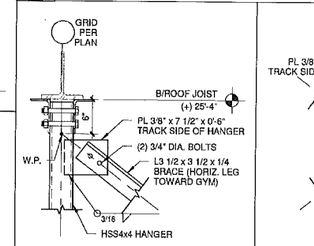
LOADS PROVIDED ARE STRENGTH DESIGN FACTORED LOADS.

4 Gym Roof Deck Between Joists
Scale: 1" = 1'-0"

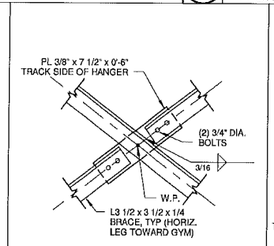


CONNECTION SHALL BE VERIFIED WITH FINAL BACKSTOP LOADING.

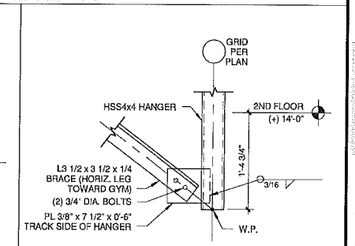
3 Backstop Beam Conn
Scale: 1 1/2" = 1'-0"



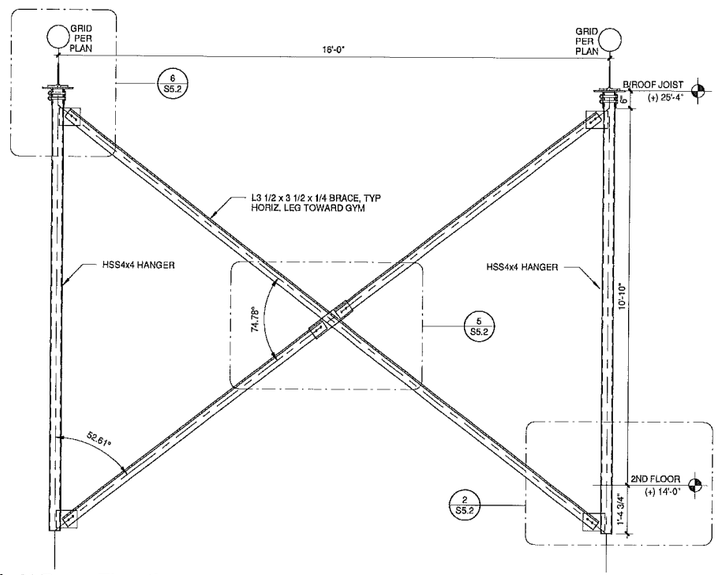
6 X-Brace Top Conn
Scale: 1" = 1'-0"



5 X-Brace Center Conn
Scale: 1" = 1'-0"



2 X-Brace Bot Conn
Scale: 1" = 1'-0"



1 X-Brace Elevation
Scale: 1/2" = 1'-0"

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ISSUE

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

Bid Set

PROJECT
Champaign Park District

Patricia H. Leonhard Recreation Center

2212 W. Sangamon Dr.
Champaign, IL 61821

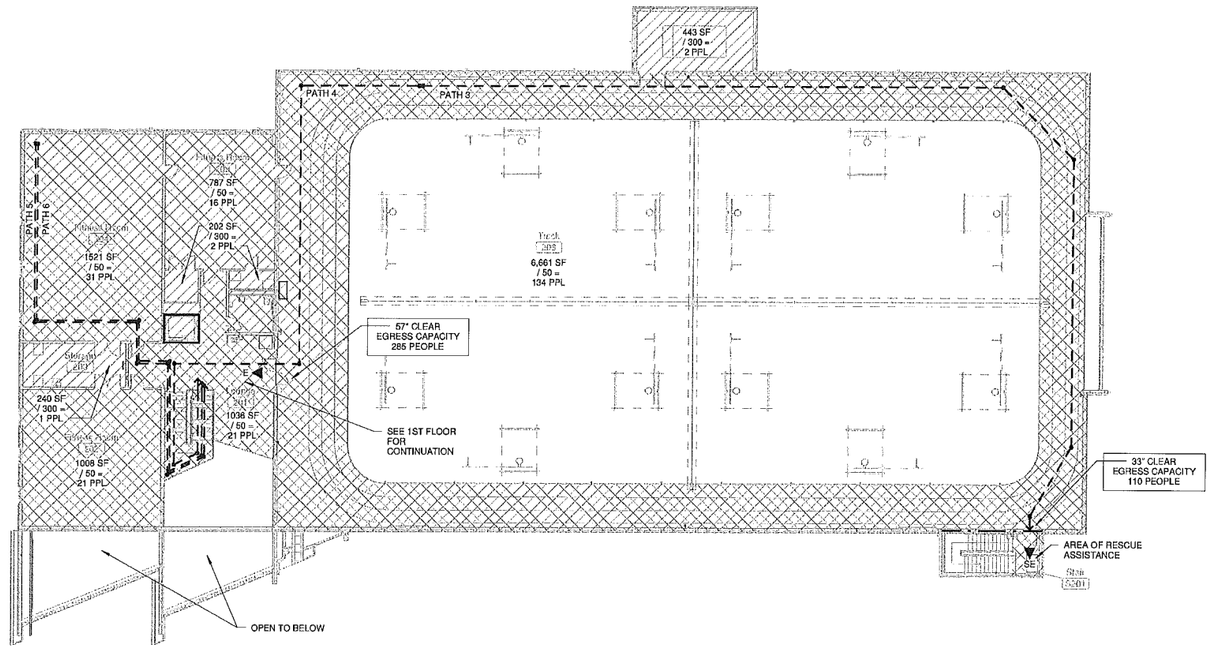
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Design/Drawn:	AKS
Reviewed:	PMH
Book No.:	-

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FRAMING DETAILS

SHEET NUMBER
S5.2

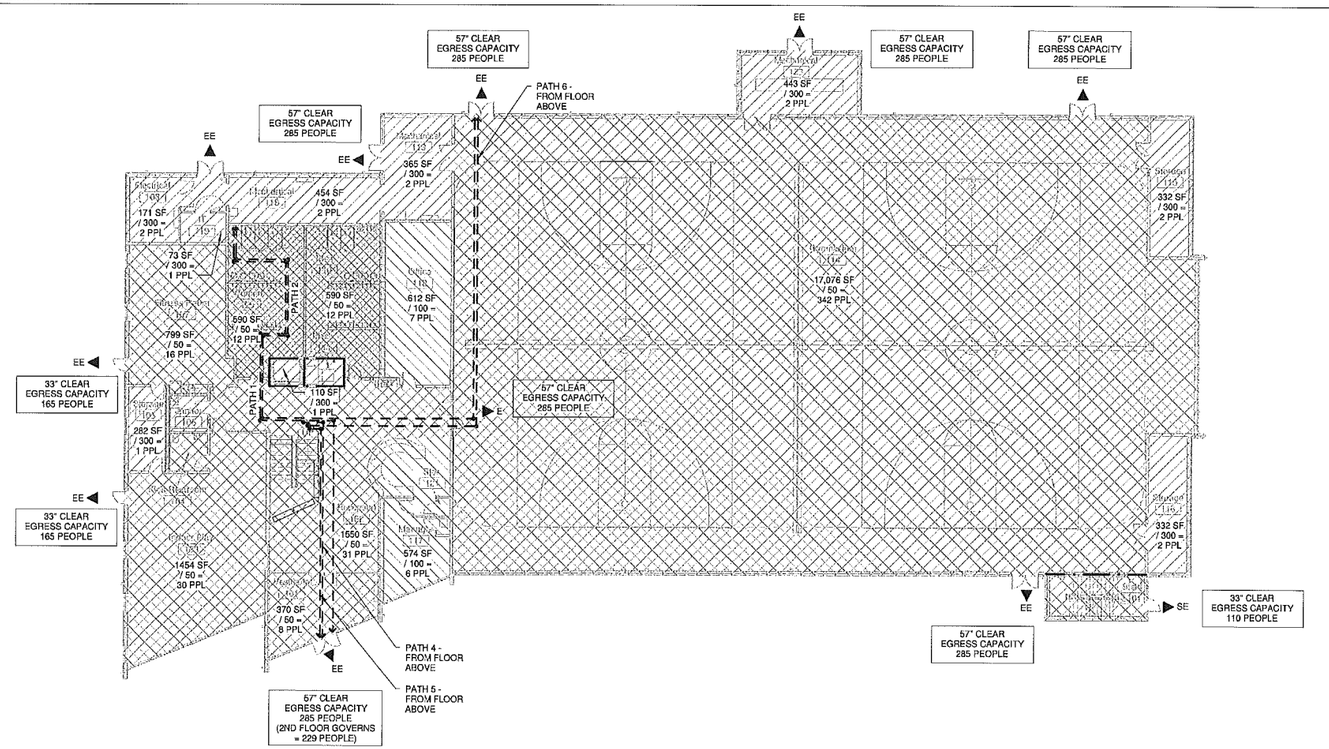
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2 Second Floor Life Safety Plan

Scale: 1/16" = 1'-0"



1 First Floor Life Safety Plan

Scale: 1/16" = 1'-0"

1 HOUR FIRE SEPARATION

EXIT IDENTIFICATION SYMBOLS
- EE = EXTERIOR EXIT
- EP = EXIT PASSAGEWAY
- E = EXIT
- HE = HORIZONTAL EXIT
- SE = STAIR EXIT

OCCUPANCY 1 (ASSEMBLY - EXERCISE)
OCCUPANCY 2 (BUSINESS)
OCCUPANCY 3 (STORAGE & MECHANICAL)
OCCUPANCY 4 (LOCKERS)

Travel Distance	
Path ID	Travel Distance
1	127'-3"
2	180'-9"
3	245'-0"
4	220'-10 1/2"
5	183'-0"
6	241'-0"

Life Safety Legend

Scale: No Scale

Code Information

PROJECT INFORMATION:

Name of Project:	Leonhard Recreation Center
Address:	2307 W. Sangamon Drive, Champaign, IL 61821
Proposed Use:	Recreation Center
Owner or Authorized Agent:	Bobbie Herakovich
Owned By:	Champaign Park District

APPLICABLE CODES:

2009 International Building Code
2009 International Fire Code
2009 International Mechanical Code
2009 International Fuel Gas Code
2008 National Electric Code
2004 Illinois Plumbing Code
1997 Illinois Accessibility Code
2012 Illinois Energy Conservation Code
2012 International Energy Conservation Code
2010 ADA Standards for Accessible Design

CODE DATA:

Use Group (IBC):	A-3 / B
Construction Type (IBC):	Type 2B
Mixed Construction:	X Yes ☐ No
Sprinklered:	X Yes ☐ No
Mezzanine:	X Yes ☐ No
Building Height (Actual):	2 story, 35'-3"
Building Height (Allowable):	2 story, 55'-0"

Building Area Requirements:

Use Group	Existing	New	Total
Mixed Use (1st Floor)	0	27,097	27,097
Mixed Use (2nd Floor)	0	12,018	12,018
		Total:	39,115

Initial Allowable Area per Floor:	9,500
Area Increase (Frontage):	7,125
Area Increase (Sprinklers):	28,500
Allowable Area per Floor:	45,125

Building Volume:

	Existing	New	Total
Gym	0	655,923	655,923
Non-Gym	0	182,012	182,012
		Total:	837,935

EGRESS INFORMATION	
OCCUPANT LOAD (PER IBC TABLE 1004.1.1)	OCCUP. 1 = 33,227 / 50 = 665 PPL OCCUP. 2 = 1,186 / 100 = 12 PPL OCCUP. 3 = 3,628 / 300 = 13 PPL OCCUP. 4 = 1,180 / 50 = 24 PPL TOTAL OCCUPANCY = 714 PPL
REQUIRED STAIR WIDTH (PER IBC 1005)	2ND FLOOR OCCUPANCY = 229 229 x 0.3 = 68.7" x (50%) = 35" MIN.
REQUIRED EGRESS WIDTH (PER IBC 1005)	EXIT DOORS = 33"/(0.20) = 165 PPL EXIT DOORS = 67"/(0.20) = 335 PPL
COMMON PATH OF TRAVEL (PER IBC 1014.3)	75'-0" MAXIMUM
EXIT ACCESS TRAVEL (PER IBC TABLE 1016.1)	250'-0" MAXIMUM
DEAD END CORRIDOR (PER IBC 1018.4)	20'-0" MAXIMUM
REQUIRED # IF EXITS (PER IBC TABLE 1015.1)	1 EXIT REQUIRED IF UNDER 49 TOTAL OCCUPANTS

PLUMBING CODE REVIEW (IL PLUMBING CODE)		
OCCUPANT LOAD (PER IPC TABLE 890.810)	GYM = 24,061 / 100 = 240.61 EXERCISE = 10,240 / 50 = 204.80 OFFICE = 1,186 / 200 = 5.93 STORAGE = 3,628 / 400 = 9.07 TOTAL: 461 OCCUPANTS TOTAL 231 MALE / 231 FEMALE	
FIXTURE	MALE	FEMALE
WATER CLOSETS	3	5
URINALS	1/2 REQ'D WC	0
LAVATORIES	2	2
DRINKING FOUNTAINS	4	4
SERVICE SINKS	1 PER FLOOR	

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ISSUE

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CHAMPAIGN PARK DISTRICT

Bid Set

PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date: 05/01/13
Design/Drawn: CJ/KR/SCB
Reviewed: SCB
Book No.: -

SHEET TITLE

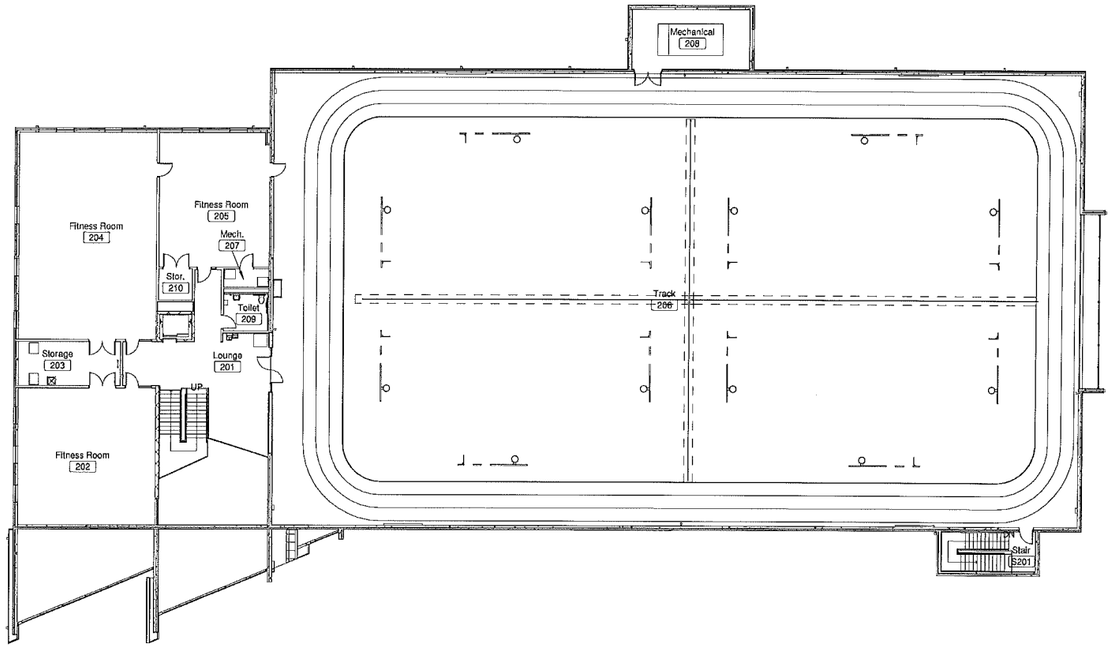
Life Safety Plans

SHEET NUMBER

LS1.1

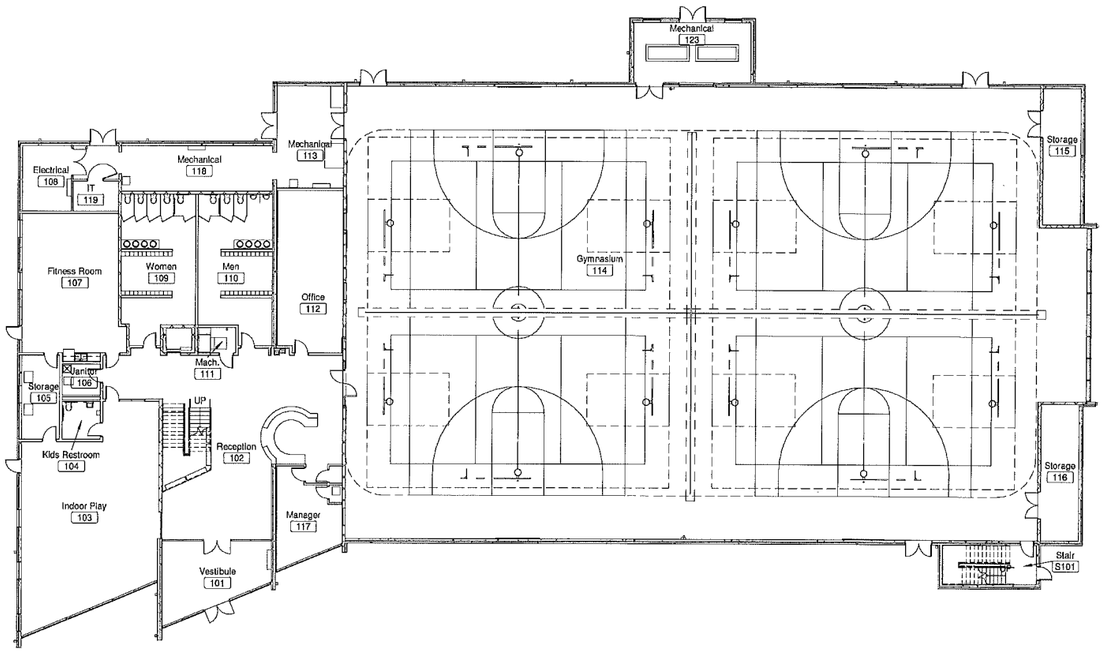
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2 Second Floor Plan

Scale: 1/16" = 1'-0"



1 First Floor Plan

Scale: 1/16" = 1'-0"

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Date:	05/01/13
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Reviewed:	SCB
Book No.:	-

SHEET TITLE:

Overall Floor Plans

SHEET NUMBER:

A1.0

Project No.: 0111316.00

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General Proposed Plan Notes

1. ALL WALL TYPES ARE TO BE PARTITION TYPE P1 UNLESS NOTED OTHERWISE. REFER TO SHEET A7.1 FOR PARTITION TYPES. ALL PARTITIONS SHALL EXTEND TO THE BOTTOM OF THE ROOF DECK ABOVE UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CMU, OR FACE OF PRECAST CONCRETE UNLESS NOTED OTHERWISE.
3. REFER TO LIFE SAFETY SHEET LS1.1 FOR LOCATIONS AND RATINGS OF FIRE SEPARATIONS.
4. PROVIDE METAL BLOCKING IN METAL STUD WALLS FOR CASEWORK, OWNER FURNISHED FURNISHINGS, HANDRAILS, DOOR STOPS, & ACCESSORIES TOO LARGE TO BE SUPPORTED BY DRYWALL ANCHORS.
5. REFER TO ELECTRICAL DRAWINGS FOR EXIT SIGNS, COMMUNICATION DEVICES, & ELECTRICALLY POWERED LIFE SAFETY DEVICES.
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20. PATCH AND REPAIR WALLS AT ALL NEW MECHANICAL AND PLUMBING PENETRATIONS.

Plan Keynotes (By Division)

DIVISION 03	
03-01	4" THICK CONCRETE EQUIPMENT PAD - COORDINATE WITH MECHANICAL
DIVISION 05	
05-01	PAINTED STEEL GUARDRAIL ASSEMBLY
05-02	METAL ROOF HATCH ACCESS LADDER
05-03	PAINTED STEEL COLUMN - SEE STRUCTURAL
DIVISION 07	
07-01	PREFINISHED ALUMINUM DOWNSPOUT - TYP.
07-02	SURFACE DRAINED, PREFINISHED METAL DOWNSPOUT - PROVIDE SPLASH BLOCK
07-03	ANNULAR SPACE BETWEEN DUCT PENETRATION & FLOOR OPENING TO BE FIREBLOCKED AS PER UL ASSEMBLY C-AJ-7016
07-04	FLOOR EXPANSION JOINT
07-05	SLAB JOINT - CAULK
DIVISION 08	
08-01	HOLLOW METAL FRAMED OPENING HM5. REFER TO SHEET A7.2
08-02	HOLLOW METAL BORROWED LIGHT HM6 - SEE A7.2
08-03	ALUMINUM FRAMED CURTAIN WALL - SEE SHEET A7.3
08-04	7'-4" TALL MASONRY OPENING
08-05	PREFINISHED METAL LOUVER - COORDINATE WITH MECHANICAL
08-06	EXIT SIGN ELECTRICAL CONDUIT TO EXTEND THROUGH CURTAIN WALL - COORDINATE WITH ELECTRICAL CONTRACTOR
DIVISION 09	
09-01	MOISTURE RESISTANT GYPSUM BOARD TO COVER EXTENTS OF WALL, FROM FINISHED FLOOR TO FINISHED CEILING - SEE PARTITION TYPES
09-02	ABUSE RESISTANT GYPSUM BOARD TO COVER EXTENTS OF WALL, FROM FINISHED FLOOR TO FINISHED CEILING - SEE PARTITION TYPES
09-03	FLOOR TRANSITION TO BE PROVIDED BY SPORTS FLOOR SUPPLIER
09-04	WOOD SLAT WALL WITH CONCEALED HANGER CLIPS
09-05	FIRE-RATED, ABUSE RESISTANT GYPSUM BOARD TO COVER EXTENTS OF WALL, FROM FINISHED FLOOR TO ROOF DECK - SEE PARTITION TYPES
DIVISION 10	
10-01	FIRE EXTINGUISHER & CABINET
10-02	BRACKET MOUNTED FIRE EXTINGUISHER
10-03	PLASTIC LAMINATE LOCKERS WITH BENCHES
10-04	ATHLETIC FLOOR MARKINGS AS PART OF THE ATHLETIC FLOOR SYSTEM - SEE INTERIORS
10-05	HIGH SECURITY EMERGENCY ACCESS KEY HOLDER - SURFACE MOUNTED
DIVISION 11	
11-01	GYM SPORTS EQUIPMENT
11-02	GYM DIVIDER CURTAIN
11-03	WALL PADDING
11-04	ELECTRONIC SCOREBOARD WITH PADDING AT BOTTOM CORNERS
11-05	WALL-MOUNTED CHINNING BAR
11-06	VENDING MACHINES - FURNISH & INSTALLED BY OWNER
11-07	COLUMN PADDING
11-08	VOLLEYBALL STANDARDS RECESSED SLEEVE
11-09	PREFABRICATED INDOOR PLAY STRUCTURE - SHOWN FOR DESIGN INTENT ONLY - SEE SHEET G1.0
DIVISION 12	
12-01	60' LONG X 14' DEEP PRECAST CONCRETE BENCH AS PER DOTY & SONS "PLAZA BENCH" OR APPROVED EQUAL. DO NOT ANCHOR TO CONCRETE FLOOR
DIVISION 22	
22-01	PLUMBING FIXTURE - SEE PLUMBING. AT MOPSINKS, PROVIDE FRP PANEL WITH TRIM ON BOTH ADJACENT WALLS TO A HEIGHT APPROXIMATELY 4'-0" ABOVE SINK TOP. WIDTH SHALL EQUAL WIDTH OF SINK. PROVIDE MOP SHELF AND HOLDER
DIVISION 23	
23-01	MECHANICAL EQUIPMENT - SEE MECHANICAL

Enlarged Plan - First Floor Gym

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

Key Plan - Gym

Scale: No Scale

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CHAMPAIGN PARK DISTRICT

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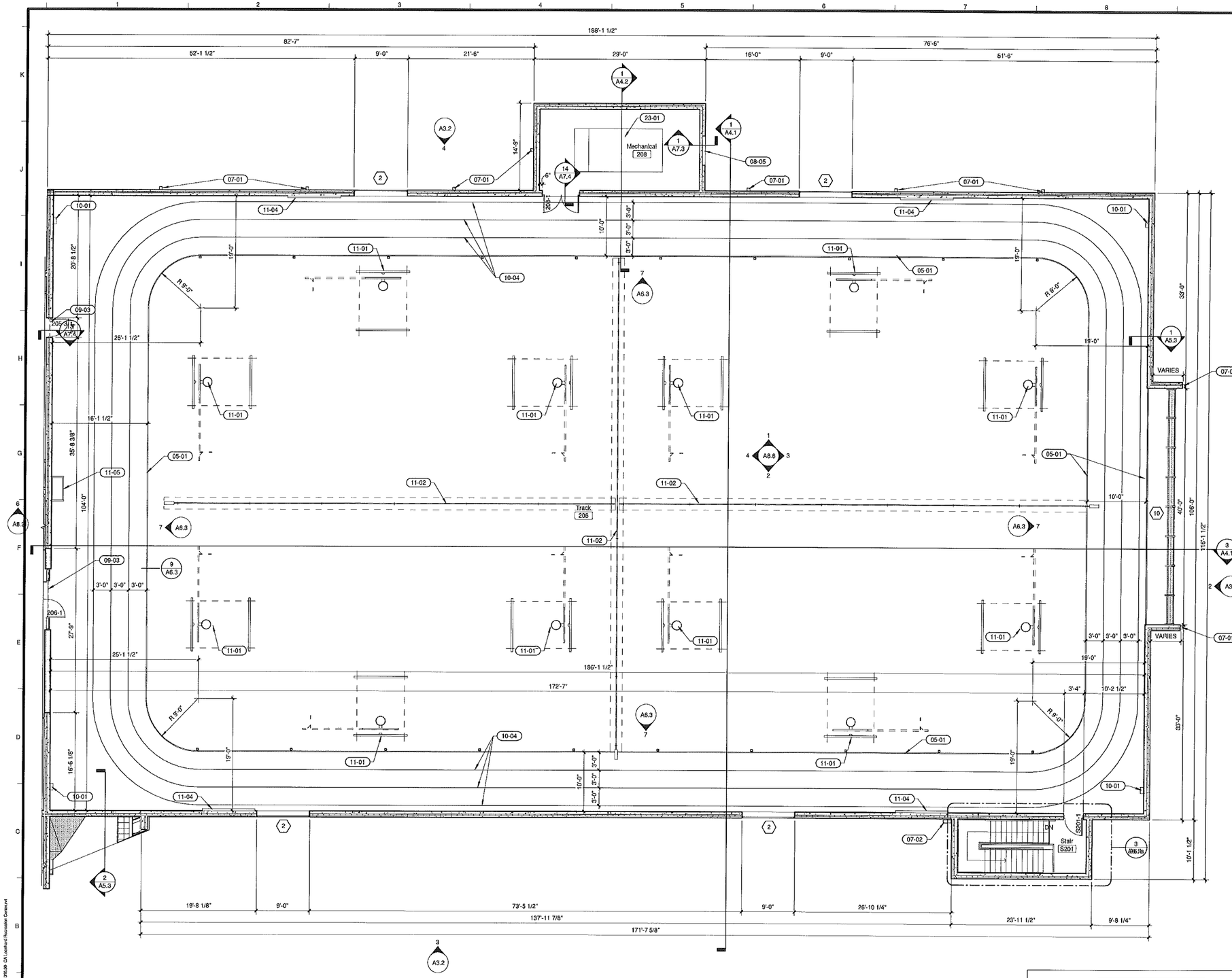
Enlarged First Floor Plan - Gym

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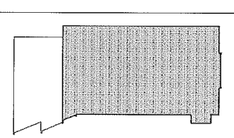
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2nd Floor Enlarged Gym

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



Key Plan - Gym

Scale: No Scale

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(217) 352-7408 / (217) 352-7409 Fax
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ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

Bid Set

PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	CJ/KR/SCB
Reviewed:	SCB
Book No.:	-

SHEET TITLE:

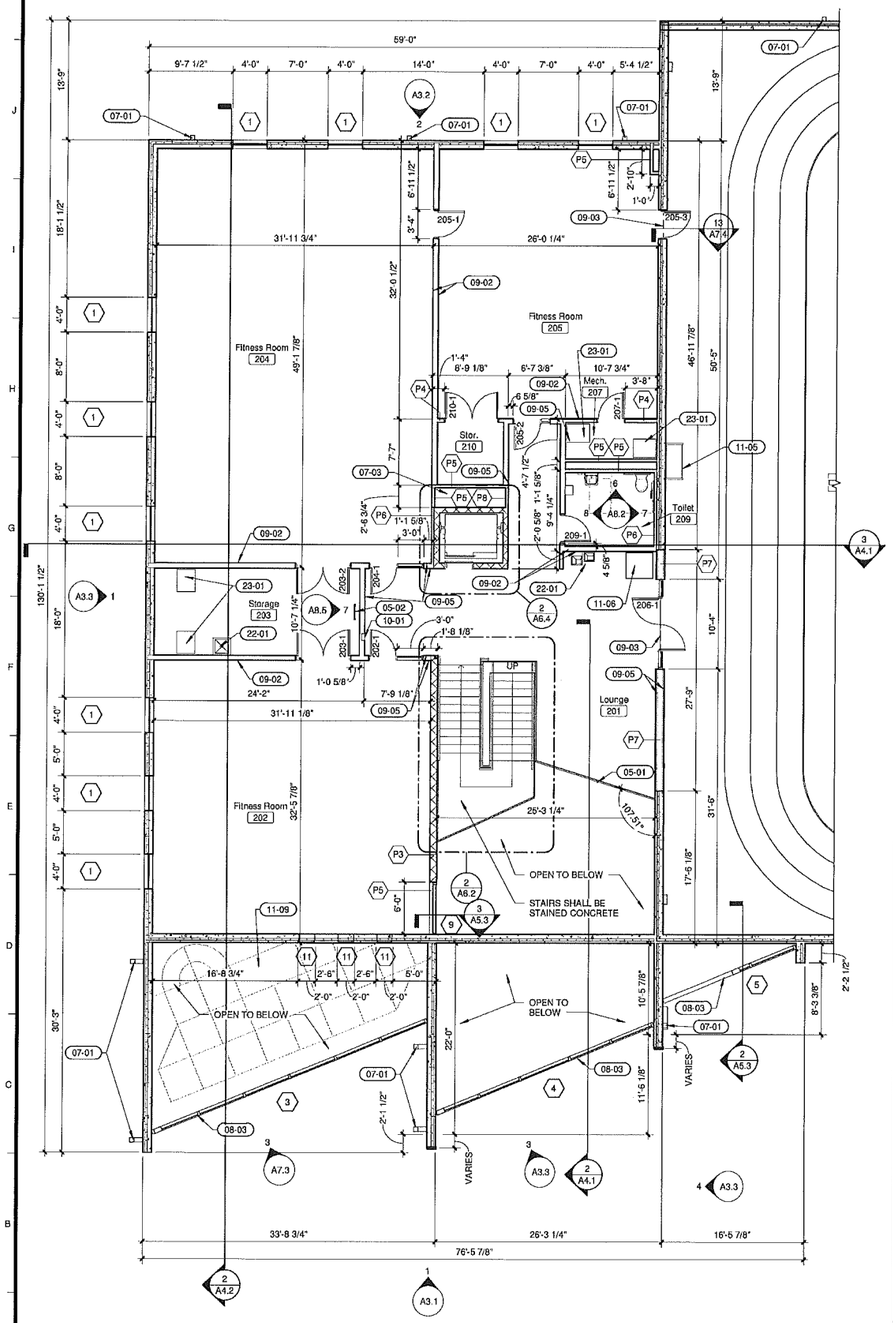
Enlarged Second Floor Plan - Gym

SHEET NUMBER:

A1.2

Project No.: 0111316.00

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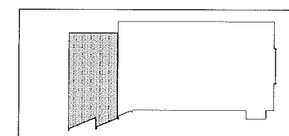


2 2nd Floor Enlarged Office

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

1 First Floor Enlarged Office

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



Key Plan - Non-Gym

Scale: No Scale

General Proposed Plan Notes

1. ALL WALL TYPES ARE TO BE PARTITION TYPE P1 UNLESS NOTED OTHERWISE. REFER TO SHEET A7.1 FOR PARTITION TYPES. ALL PARTITIONS SHALL EXTEND TO THE BOTTOM OF THE ROOF DECK ABOVE UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CMU, OR FACE OF PRECAST CONCRETE UNLESS NOTED OTHERWISE. REFER TO LIFE SAFETY SHEET LS1.1 FOR LOCATIONS AND RATINGS OF FIRE SEPARATIONS.
3. PROVIDE METAL BLOCKING IN METAL STUD WALLS FOR CASEWORK, OWNER FURNISHED FURNISHINGS, HANDRAILS, DOOR STOPS, & ACCESSORIES TOO LARGE TO BE SUPPORTED BY DRYWALL ANCHORS.
4. REFER TO ELECTRICAL DRAWINGS FOR EXIT SIGNS, COMMUNICATION DEVICES, & ELECTRICALLY POWERED LIFE SAFETY DEVICES.
5. REFER TO CIVIL DRAWINGS FOR ALL EXTERIOR CONCRETE WALK LOCATIONS. COORDINATE FINAL CONCRETE PAD LOCATIONS WITH ARCHITECTURAL DRAWINGS.
6. SEE STRUCTURAL DRAWINGS FOR FRAMING INFORMATION & FRAMING DIMENSIONS. ALL COLUMN CENTERLINES ARE FOR REFERENCE ONLY - VERIFY ALL FRAMING WITH STRUCTURAL DRAWINGS.
7. ALL OUTSIDE CORNERS IN INTERIOR CONCRETE MASONRY WALLS ARE TO BE BULLNOSE UNLESS OTHERWISE NOTED OR SHOWN.
8. MASONRY OPENING DIMENSIONS INDICATED ON PLANS ARE NOMINAL (+/-) ONE JOINT. MASONRY IS TO BE MODULAR WITH EVEN JOINT SIZE THROUGHOUT.
9. FOR FINISHED FLOOR ELEVATION, REFER TO CIVIL DRAWINGS.
10. SEE LIFE SAFETY PLAN FOR LOCATION OF RATED PARTITIONS.
11. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO PROVIDE COMPLETE WORKING SYSTEMS FOR NEW ELEMENTS.
12. ALL CONTRACTORS SHALL PROVIDE NEW, UNDAMAGED MATERIALS UNLESS OTHERWISE SPECIFIED.
13. INSTALL ALL WORK IN ACCORDANCE WITH CURRENT APLICABLE CODES, PUBLISHED STANDARDS, AND ACCEPTABLE CONSTRUCTION STANDARDS.
14. ALL NEW WORK SHALL BE PLUMB AND LEVEL UNLESS OTHERWISE NOTED.
15. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF.
16. EACH CONTRACTOR SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES.
17. DO NOT SCALE DRAWINGS TO DETERMINE DIMENSIONS. IF A REQUIRED DIMENSION IS NOT INDICATED, CONTACT THE ARCHITECT FOR DETERMINATION.
18. THE CONTRACTOR SHALL NOT CUT STRUCTURAL MEMBERS/ELEMENTS IN A MANNER RESULTING IN A REDUCTION OF LOAD CARRYING CAPACITY OR LOAD/DEFLECTION RATIO.
19. PATCH AND REPAIR WALLS AT ALL NEW MECHANICAL AND PLUMBING PENETRATIONS.

Plan Keynotes (By Division)

DIVISION 03	
03-01	4" THICK CONCRETE EQUIPMENT PAD - COORDINATE WITH MECHANICAL
DIVISION 05	
05-01	PAINTED STEEL GUARDRAIL ASSEMBLY
05-02	METAL ROOF HATCH ACCESS LADDER
05-03	PAINTED STEEL COLUMN - SEE STRUCTURAL
DIVISION 07	
07-01	PREFINISHED ALUMINUM DOWNSPOUT - TYP.
07-02	SURFACE DRAINED, PREFINISHED METAL DOWNSPOUT - PROVIDE SPLASH BLOCK
07-03	ANNULAR SPACE BETWEEN DUCT PENETRATION & FLOOR OPENING TO BE FIREBLOCKED AS PER UL ASSEMBLY C-AJ-7016
07-04	FLOOR EXPANSION JOINT
07-05	SLAB JOINT - CAULK
DIVISION 08	
08-01	HOLLOW METAL FRAMED OPENING HM5. REFER TO SHEET A7.2
08-02	HOLLOW METAL BORROWED LIGHT HM6 - SEE A7.2
08-03	ALUMINUM FRAMED CURTAIN WALL - SEE SHEET A7.3
08-04	7'-4" TALL MASONRY OPENING
08-05	PREFINISHED METAL LOUVER - COORDINATE WITH MECHANICAL
08-06	EXIT SIGN ELECTRICAL CONDUIT TO EXTEND THROUGH CURTAIN WALL - COORDINATE WITH ELECTRICAL CONTRACTOR
DIVISION 09	
09-01	MOISTURE RESISTANT GYPSUM BOARD TO COVER EXTENTS OF WALL, FROM FINISHED FLOOR TO FINISHED CEILING - SEE PARTITION TYPES
09-02	ABUSE RESISTANT GYPSUM BOARD TO COVER EXTENTS OF WALL, FROM FINISHED FLOOR TO FINISHED CEILING - SEE PARTITION TYPES
09-03	FLOOR TRANSITION TO BE PROVIDED BY SPORTS FLOOR SUPPLIER
09-04	WOOD SLAT WALL WITH CONCEALED HANGER CLIPS
09-05	FIRE-RATED, ABUSE RESISTANT GYPSUM BOARD TO COVER EXTENTS OF WALL, FROM FINISHED FLOOR TO ROOF DECK - SEE PARTITION TYPES
DIVISION 10	
10-01	FIRE EXTINGUISHER & CABINET
10-02	BRACKET MOUNTED FIRE EXTINGUISHER
10-03	PLASTIC LAMINATE LOCKERS WITH BENCHES
10-04	ATHLETIC FLOOR MARKINGS AS PART OF THE ATHLETIC FLOOR SYSTEM - SEE INTERIORS
10-05	HIGH SECURITY EMERGENCY ACCESS KEY HOLDER - SURFACE MOUNTED
DIVISION 11	
11-01	GYM SPORTS EQUIPMENT
11-02	GYM DIVIDER CURTAIN
11-03	WALL PADDING
11-04	ELECTRONIC SCOREBOARD WITH PADDING AT BOTTOM CORNERS
11-05	WALL-MOUNTED CHINNING BAR
11-06	VENDING MACHINES - FURNISH & INSTALLED BY OWNER
11-07	COLUMN PADDING
11-08	VOLLEYBALL STANDARDS RECESSED SLEEVE
11-09	PREFABRICATED INDOOR PLAY STRUCTURE - SHOWN FOR DESIGN INTENT ONLY - SEE SHEET G1.0
DIVISION 12	
12-01	60" LONG X 14" DEEP PRECAST CONCRETE BENCH AS PER DOTY & SONS "PLAZA BENCH" OR APPROVED EQUAL. DO NOT ANCHOR TO CONCRETE FLOOR
DIVISION 22	
22-01	PLUMBING FIXTURE - SEE PLUMBING. AT MOPSINKS, PROVIDE FRP PANEL WITH TRIM ON BOTH ADJACENT WALLS TO A HEIGHT APPROXIMATELY 4'-0" ABOVE SINK TOP. WIDTH SHALL EQUAL WIDTH OF SINK. PROVIDE MOP SHELF AND HOLDER
DIVISION 23	
23-01	MECHANICAL EQUIPMENT - SEE MECHANICAL

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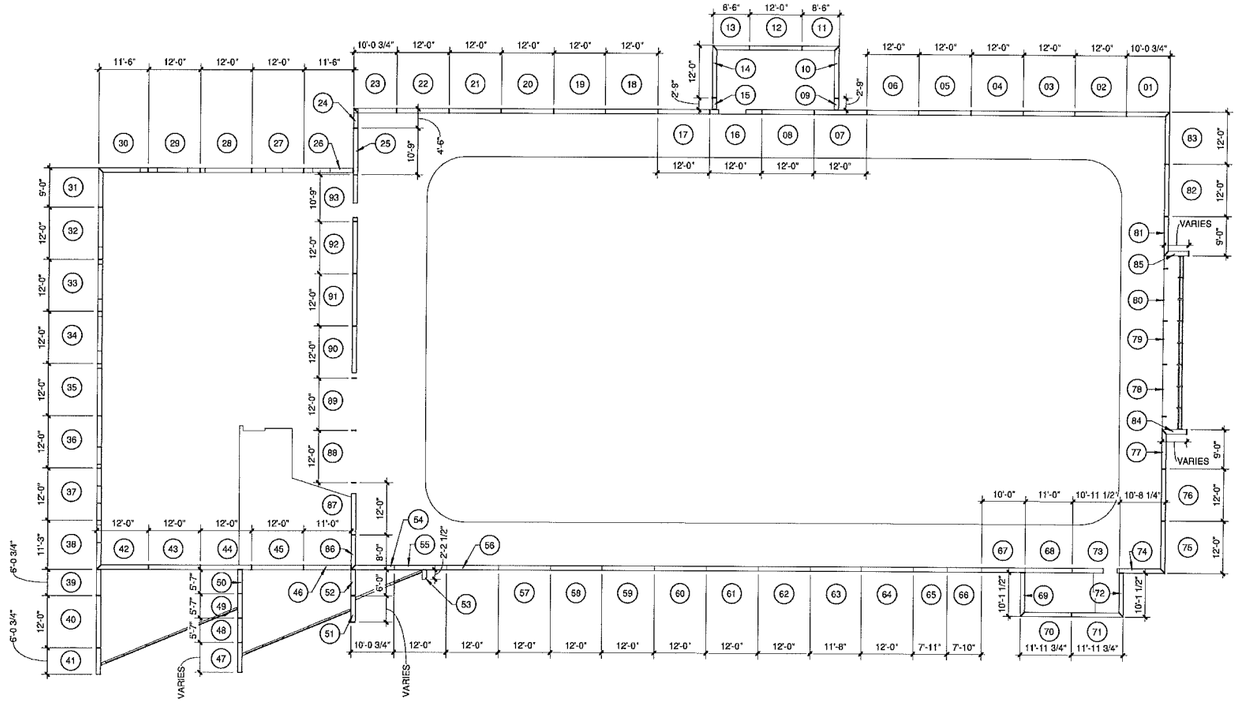
Enlarged Floor Plans

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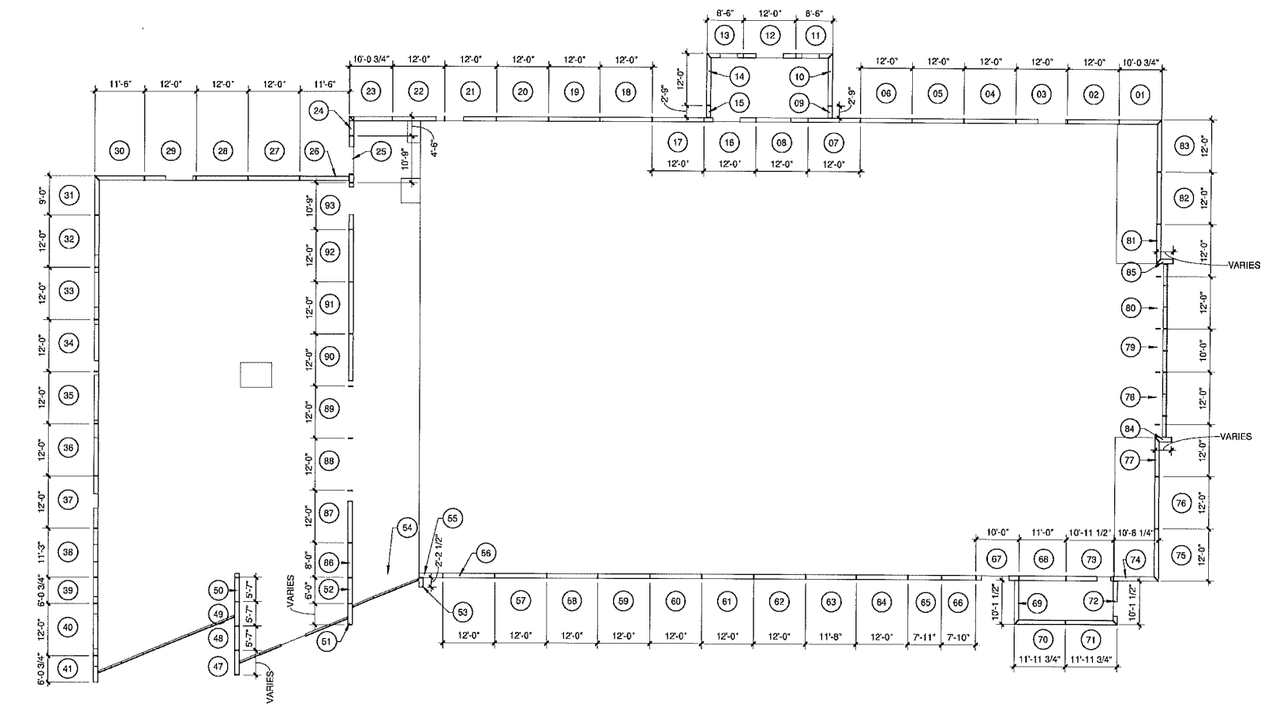
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2 Second Floor Plan

Scale: 1/16" = 1'-0"



1 First Floor Plan

Scale: 1/16" = 1'-0"

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Precast Concrete Panel Plans

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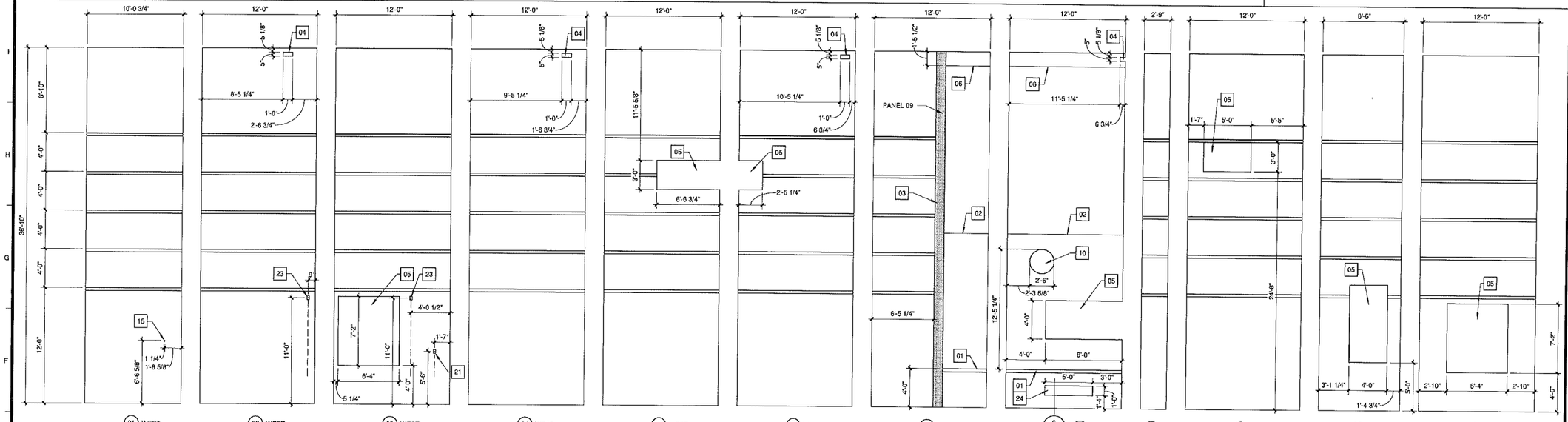
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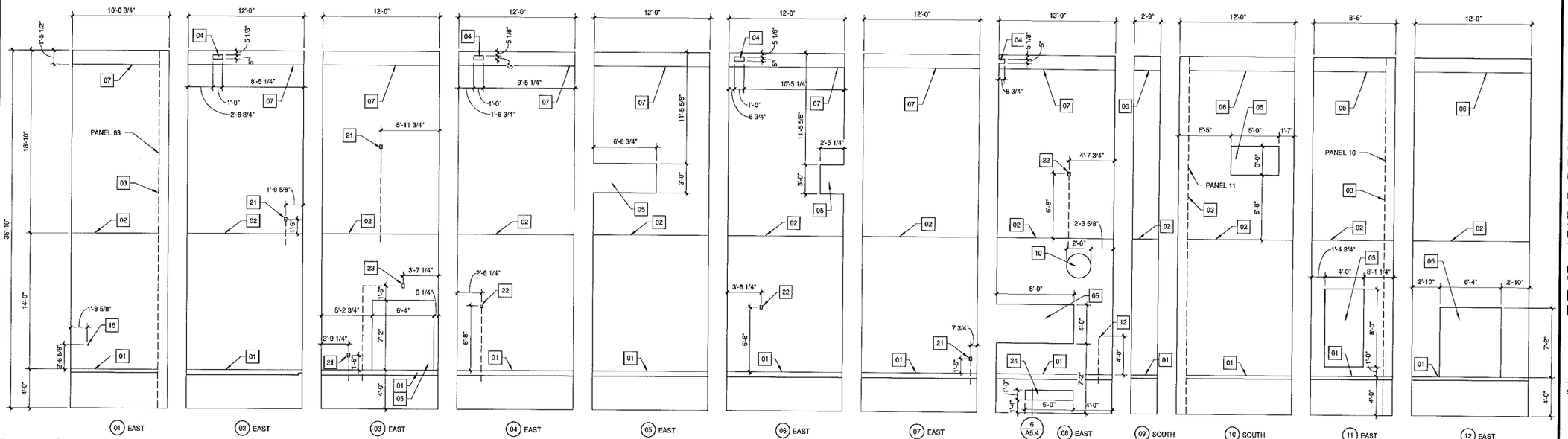
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Precast Concrete Panel Elevations

Scale: 3/16" = 1'-0"

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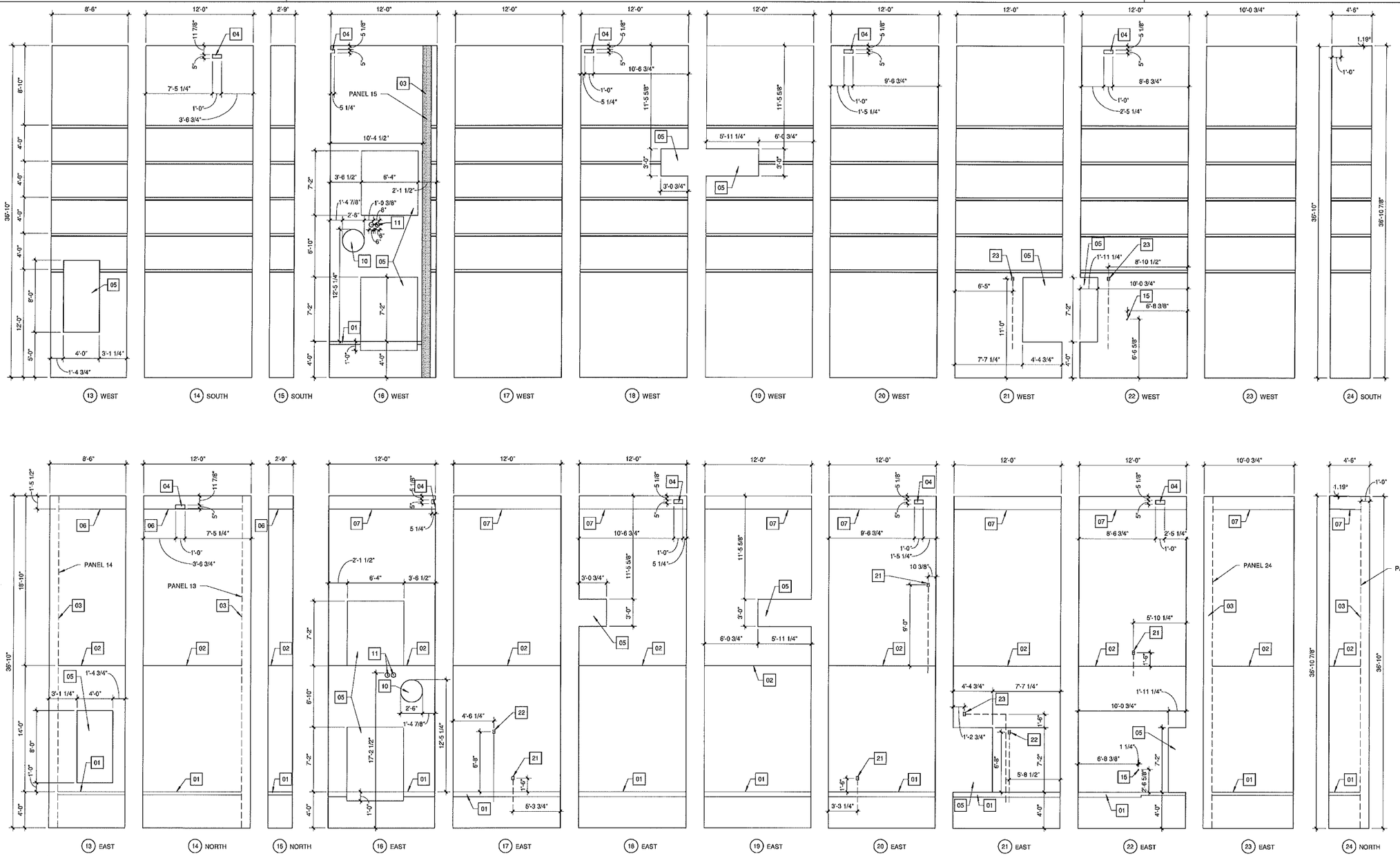
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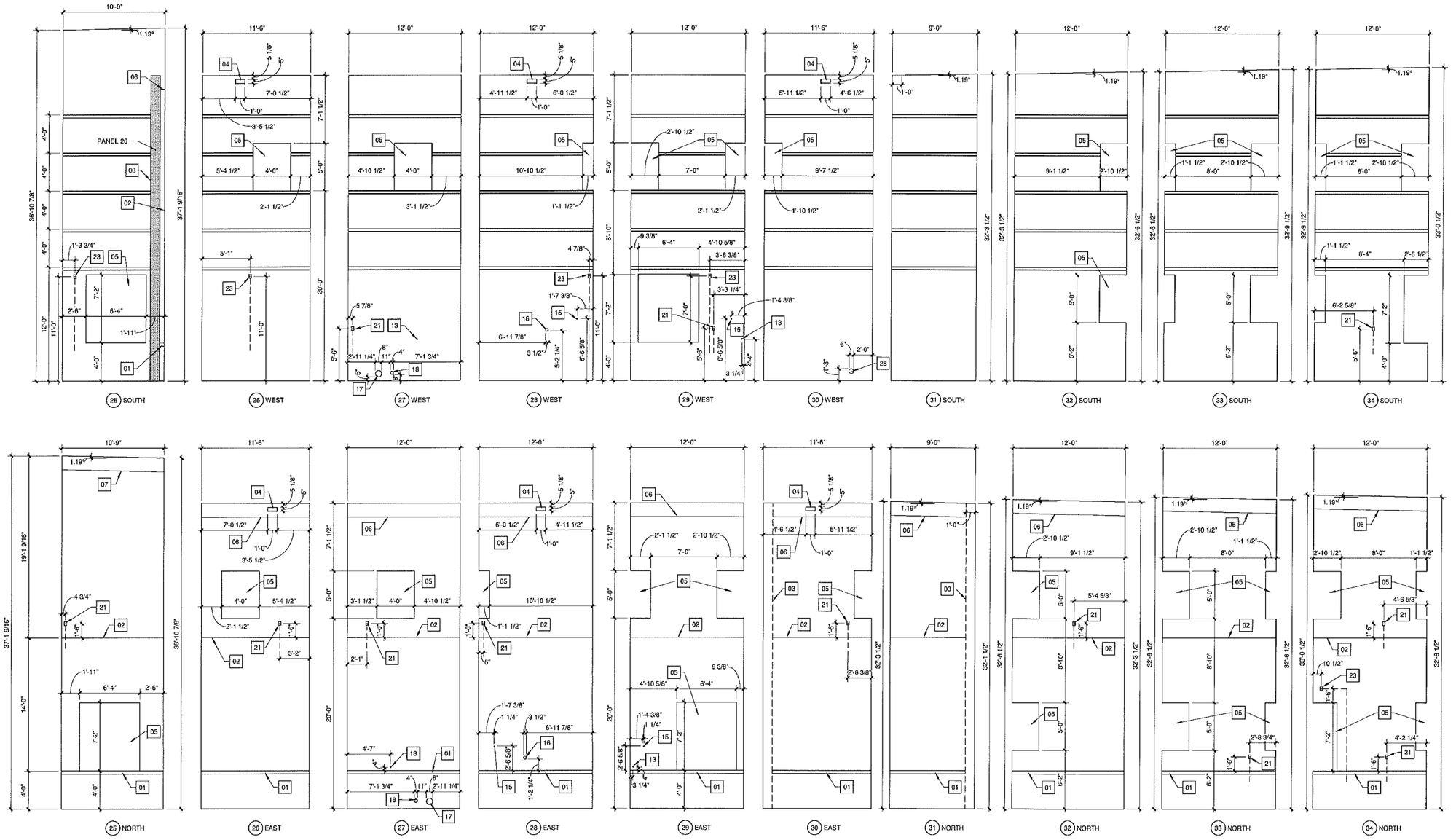
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Precast Concrete Panel Elevations

Scale: 3/16" = 1'-0"

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Farnsworth GROUP

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ISSUE:

#	Date:	Description:

Bid Set
NOT FOR CONSTRUCTION

PROJECT:
Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	SCB
Reviewed:	SCB
Book No.:	-

SHEET TITLE:

Precast Concrete Panel Elevations

SHEET NUMBER

A1.4.3

Project No.: 0111316.00

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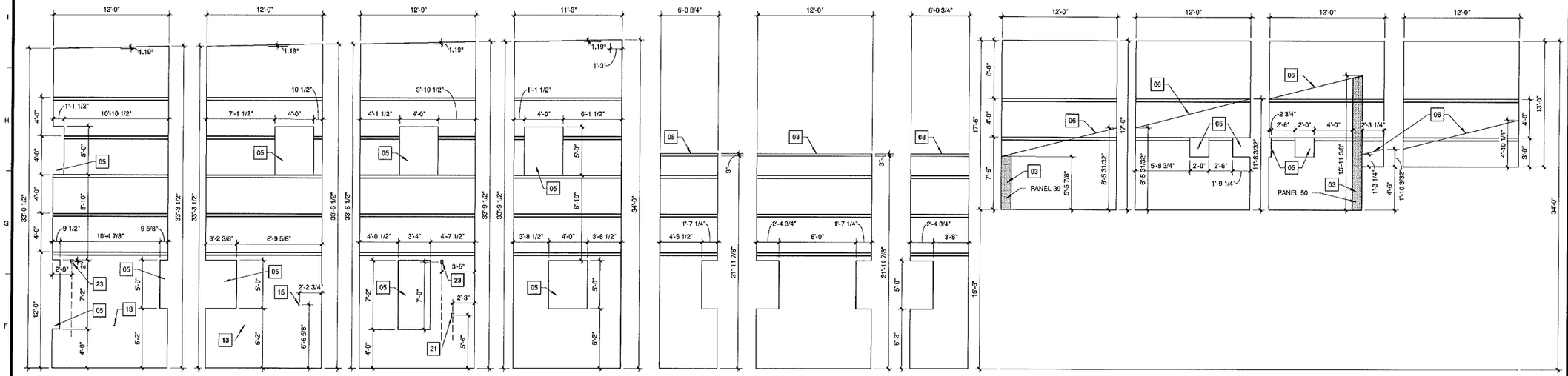
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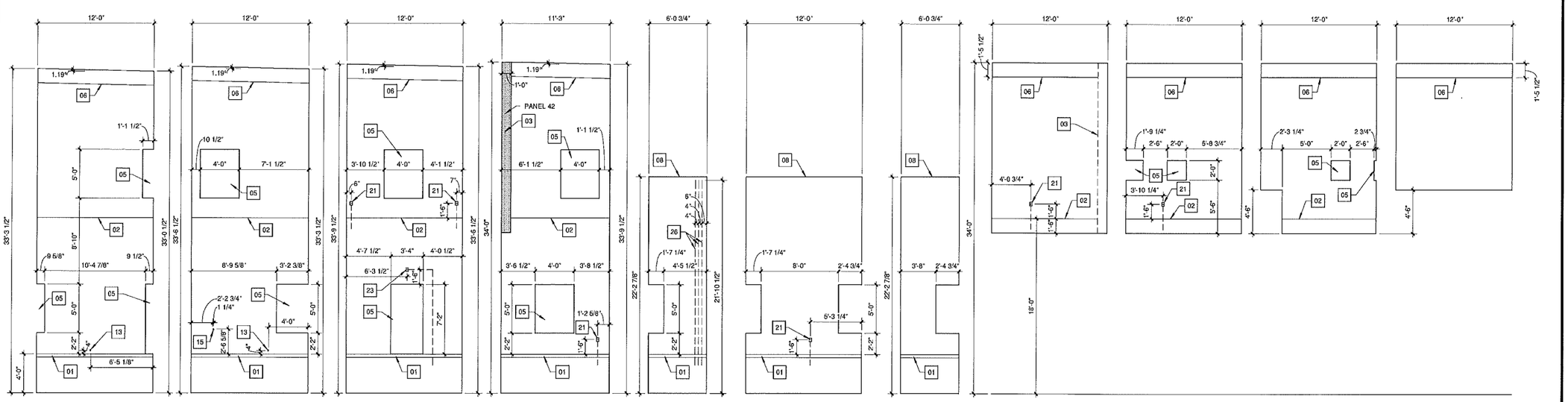
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Precast Concrete Panel Elevations

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Issue:		
#	Date:	Description:

Bid Set
NOT FOR CONSTRUCTION

PROJECT:
Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	SCB
Reviewed:	SCB
Book No.:	-

SHEET TITLE:

Precast Concrete Panel Elevations

SHEET NUMBER:

A1.4.4

Project No.: 0111316.00

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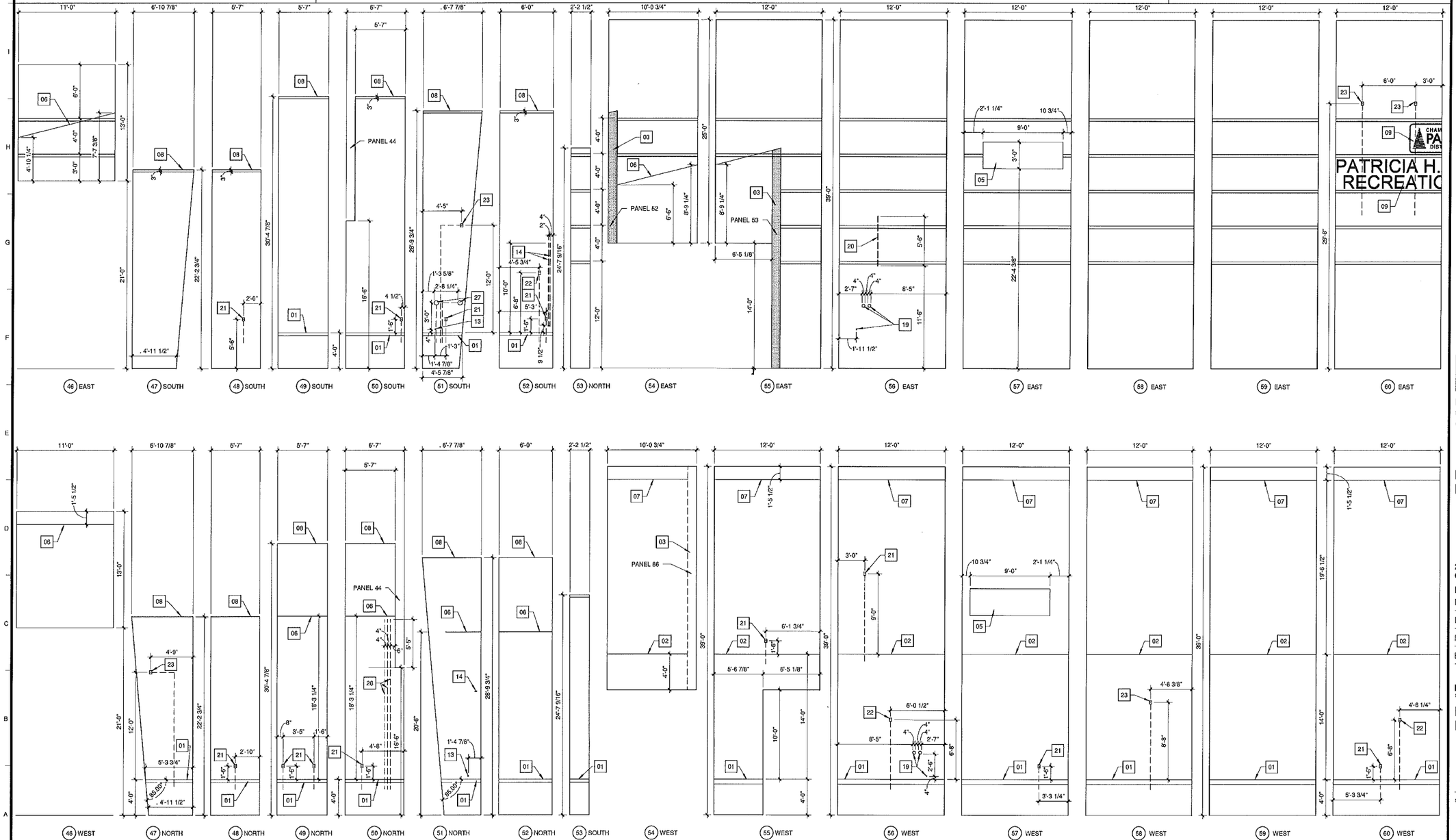
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PROJECT
Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	SCB
Reviewed:	SCB
Book No.:	-

SHEET TITLE
Precast Concrete Panel Elevations

SHEET NUMBER
A1.4.5

Project No.: 0111316.00

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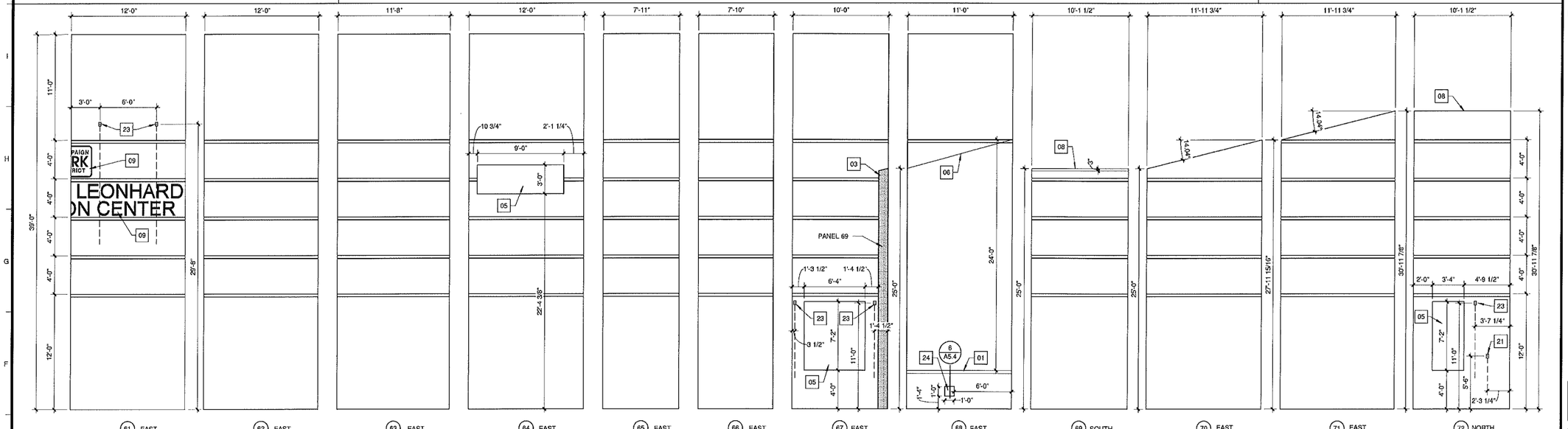
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SHEET TITLE
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SHEET NUMBER
A1.4.6

Project No.: 0111316.00

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05 OPENING FOR DOOR, WINDOW, OR LOUVER.
06 ROOF LINE (JOIST BEARING).
07 ROOF LINE (BOTTOM OF DECK - GYM).
08 TOP OF PANEL SLOPED FOR DEPTH OF PANEL TO ACCOMMODATE STRUCTURE.
09 BUILDING SIGN & CHAMPAIGN PARK DISTRICT LOGO RECESSED INTO PRECAST CONCRETE PANEL 2" - VERTICALLY CENTER BETWEEN CONCRETE REVEALS - HORIZONTALLY CENTER BETWEEN ADJACENT PANELS.
10 DUCT PENETRATION - SEE MECHANICAL.
11 MECHANICAL PIPING PENETRATION - SEE MECHANICAL.
12 EMBEDDED MECHANICAL THERMOSTAT. COORDINATE DEPTH WITH MECHANICAL CONTRACTOR. CONDUIT WITHIN PRECAST WALL SHOWN DASHED TO TERMINATE UNDER SLAB UNLESS OTHERWISE SHOWN.
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14 HEAT PUMP SUPPLY & RETURN LINES - COORDINATE WITH MECHANICAL CONTRACTOR. CONNECTIONS SHALL BE ABOVE ACCESSIBLE CEILING IN MANAGER 117.

Precast Keyed Notes

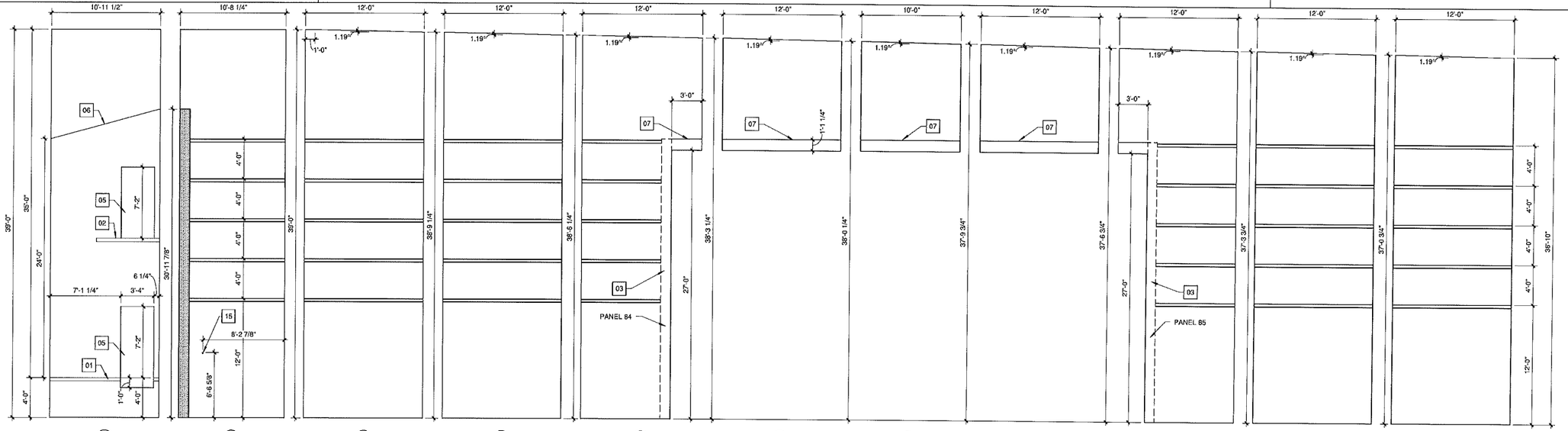
15 PLUMBING PENETRATION - COORDINATE LOCATION & SIZE WITH PLUMBING CONTRACTOR. ALL VOIDS LEFT BELOW GRADE SHALL BE PATCHED ACCORDING TO PRECAST CONCRETE PATCH DETAIL ON SHEET A5.4.
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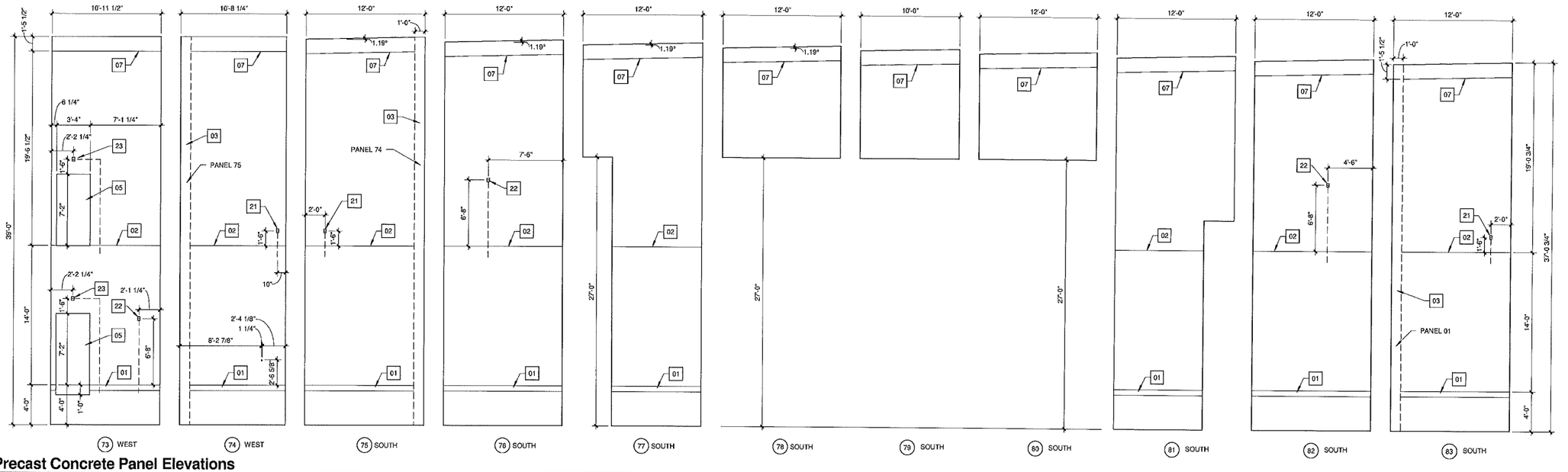
Precast Keyed Notes

22 EMBEDDED ELECTRICAL FIRE ALARM JUNCTION BOX. COORDINATE DEPTH WITH ELECTRICAL CONTRACTOR. CONDUIT WITHIN PRECAST WALL SHOWN DASHED TO TERMINATE UNDER SLAB OR BELOW SECOND FLOOR LINE UNLESS OTHERWISE SHOWN.
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28 PANEL VOID FOR ELECTRICAL METER WIRING. COORDINATE SIZE, DEPTH, & LOCATION WITH ELECTRICAL CONTRACTOR.

General Precast Notes

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2. PRECAST CONCRETE PANEL MANUFACTURER TO RECEIVE ALL ELECTRICAL/DATA BOXES FROM SUBCONTRACTORS FURNISHING THAT PORTION OF THE WORK. COORDINATE ALL RECESSED BOXES AND CONDUIT WITH OTHER TRADES.
3. REFER TO TYPICAL PRECAST CONCRETE DETAILS WITHIN CONTRACT DOCUMENTS FOR TYPICAL DETAILS.
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5. PRECAST CONCRETE WALLS SHALL NOT RELY ON THE SECOND FLOOR TRACK FOR BRACING.
6. ALL OPENINGS IN PRECAST SHALL BE THE RESPONSIBILITY OF THE PRECASTER. SUPPORT FOR PRECAST ABOVE OPENINGS SHALL BE DESIGNED AND SUPPLIED BY THE PRECASTER AS PART OF THE TOTAL PRECAST CONCRETE SYSTEM.
7. ALL PENETRATIONS THROUGH PRECAST CONCRETE PANELS SHALL BE SEALED ON BOTH SIDES OF THE PANEL. FILL ALL EXTERIOR PANEL PENETRATIONS WITH INSULATION PRIOR TO SEALANT.
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Precast Concrete Panel Elevations

Scale: 3/16" = 1'-0"

ENGINEERS
ARCHITECTS
SURVEYORS
SCIENTISTS

Farnsworth GROUP

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ISSUE

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PROJECT:
Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	SCB
Reviewed:	SCB
Book No.:	-

SHEET TITLE:
Precast Concrete Panel Elevations

SHEET NUMBER:
A1.4.7

Project No.: 0111316.00

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Precast Keyed Notes

01 FLOOR LINE (TOP OF SLAB).
02 FLOOR LINE (2ND FLOOR).
03 ADJACENT ABUTTING PRECAST CONCRETE PANEL.
04 SCUPPER OPENING.
05 OPENING FOR DOOR, WINDOW, OR LOUVER.
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Precast Keyed Notes

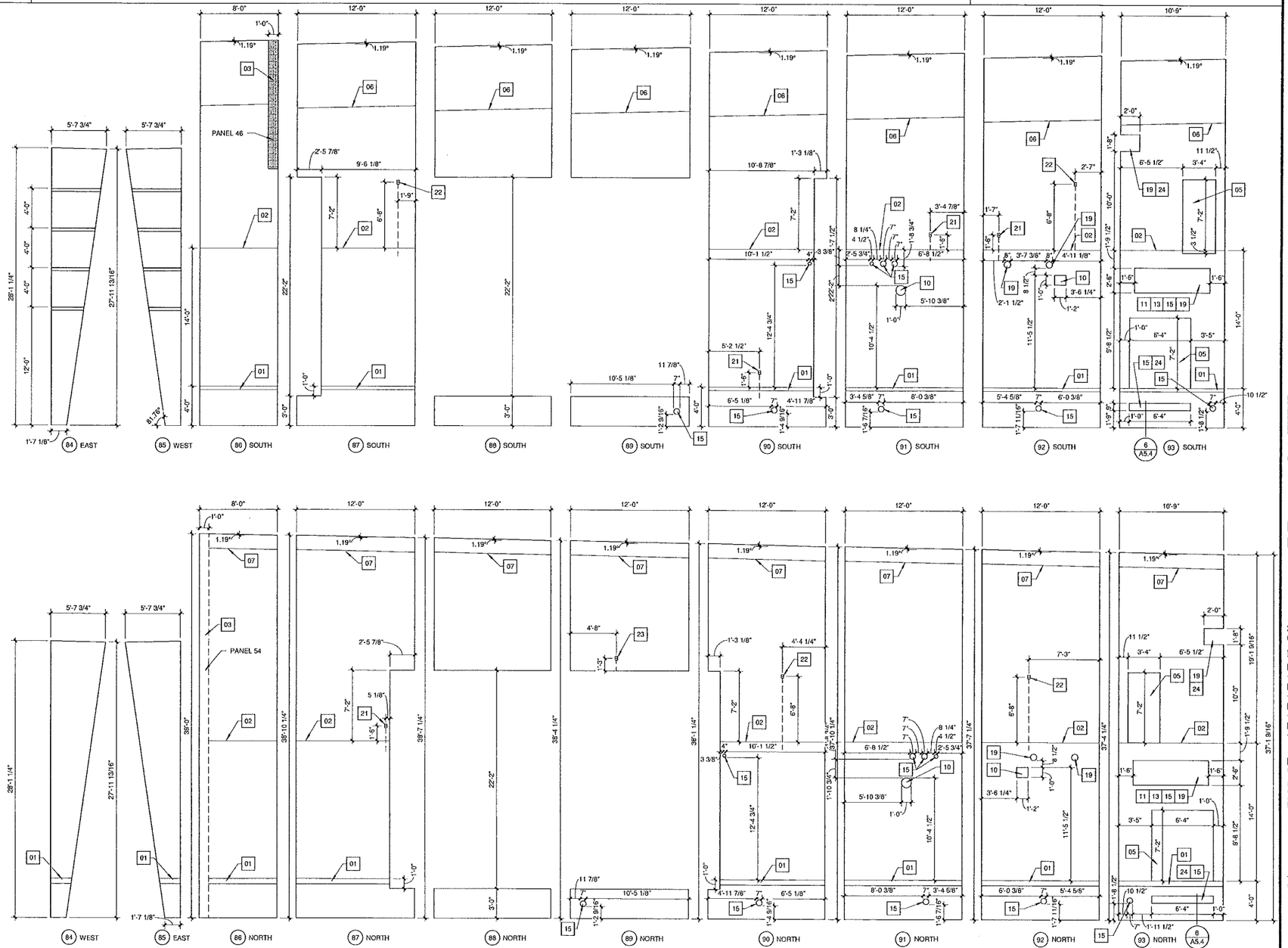
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Precast Concrete Panel Elevations

Scale: 3/16" = 1'-0"

ENGINEERS
ARCHITECTS
SURVEYORS
SCIENTISTS

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Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

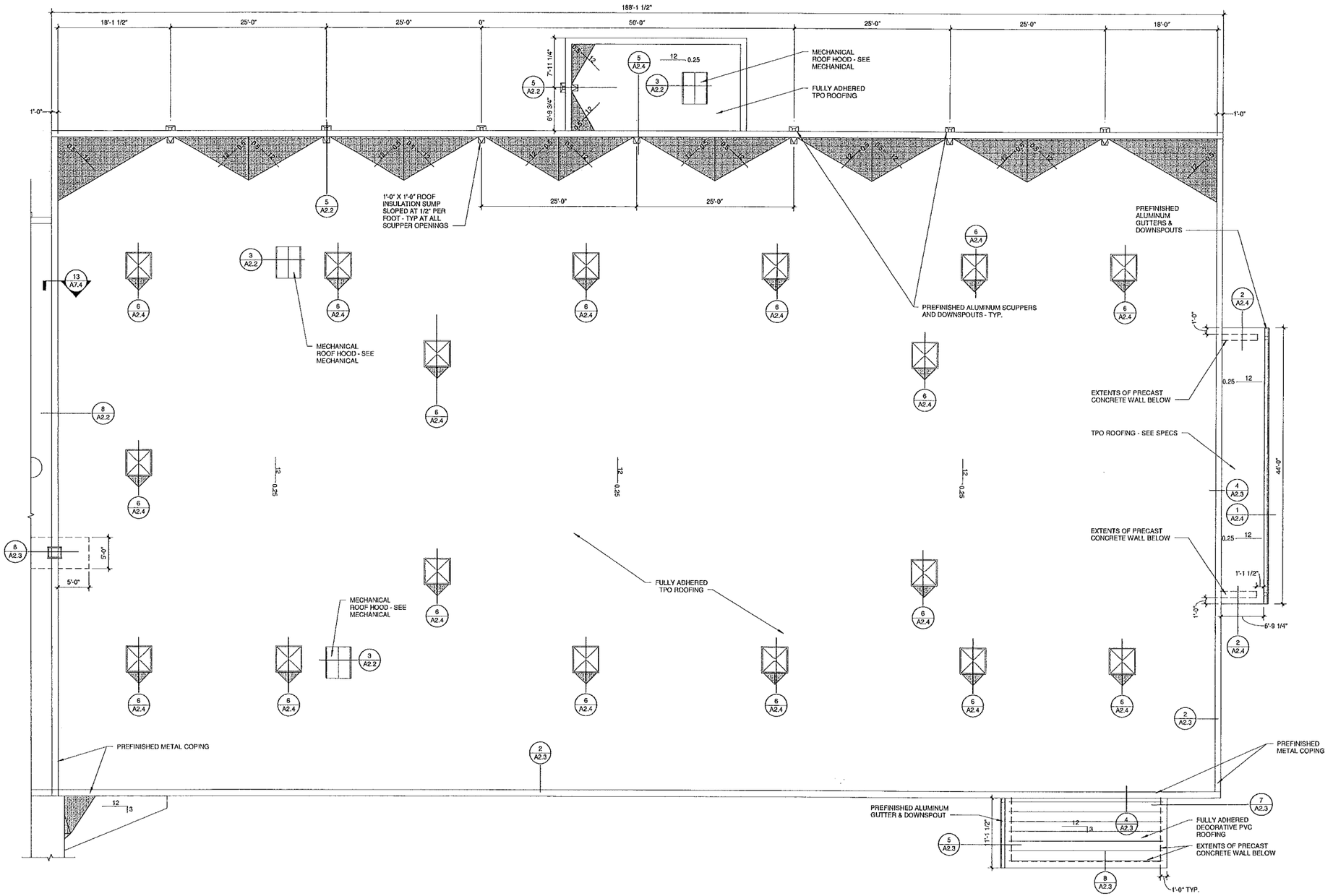
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Design/Drawn:	SCB
Reviewed:	SCB
Book No.:	-

SHEET TITLE
Precast Concrete Panel Elevations

SHEET NUMBER
A1.4.8

Project No.: 0111316.00

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1 Roof Plan - Gym

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

ENGINEERS
ARCHITECTS
SURVEYORS
SCIENTISTS

Farnsworth GROUP

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CHAMPAIGN PARK DISTRICT

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Patricia H. Leonhard Recreation Center

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Champaign, IL 61821

Date:	05/01/13
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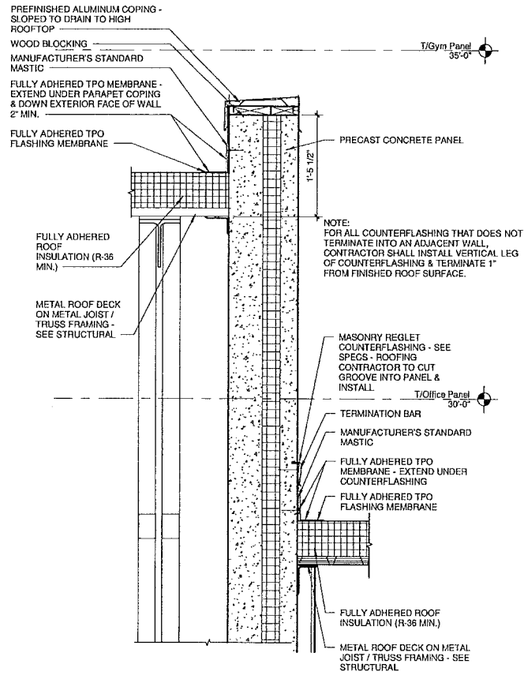
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Roof Plan

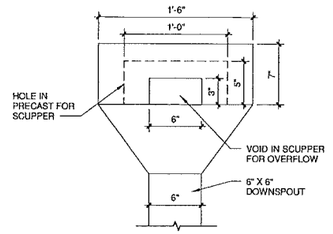
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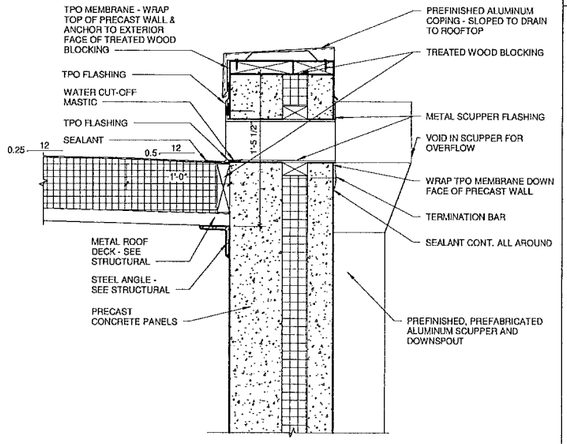
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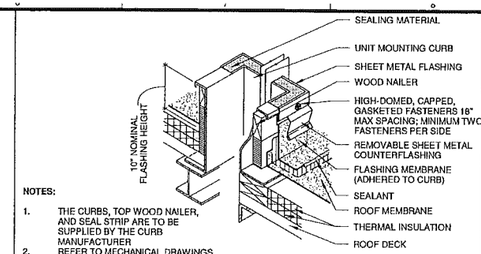
8 **Roof Detail - Typical High-Low**
Scale: 1" = 1'-0"



Scupper Top Detail
Scale: 1 1/2" = 1'-0"

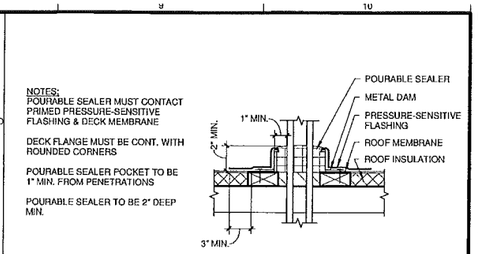


5 **Roof Detail - Typical Gutter**
Scale: 1 1/2" = 1'-0"



NOTES:
1. THE CURBS, TOP WOOD NAILER, AND SEAL STRIP ARE TO BE SUPPLIED BY THE CURB MANUFACTURER
2. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS.

3 **Raised Curb Detail**
Scale: 1 1/2" = 1'-0"



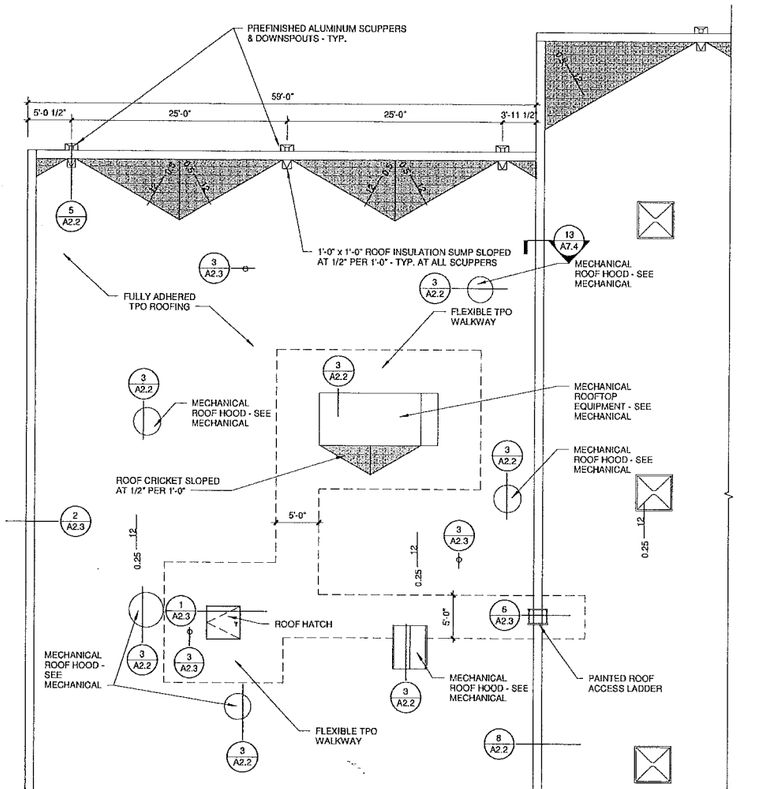
NOTES:
POURABLE SEALER MUST CONTACT PRIMED PRESSURE-SENSITIVE FLASHING & DECK MEMBRANE

DECK FLANGE MUST BE CONT. WITH ROUNDED CORNERS

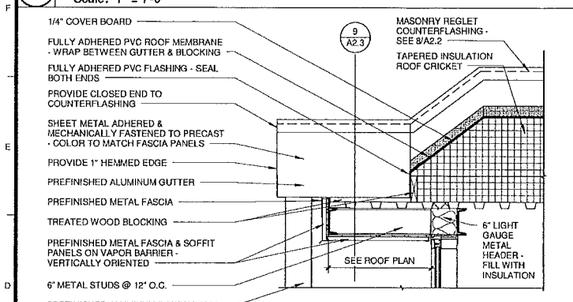
POURABLE SEALER POCKET TO BE 1" MIN. FROM PENETRATIONS

POURABLE SEALER TO BE 2" DEEP MIN.

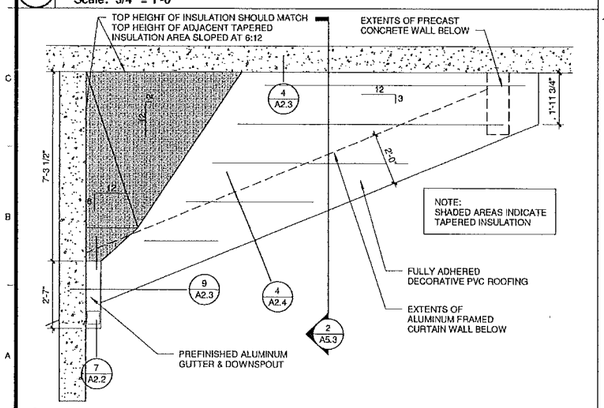
2 **Roof Detail - Conduit Penetration**
Scale: 1 1/2" = 1'-0"



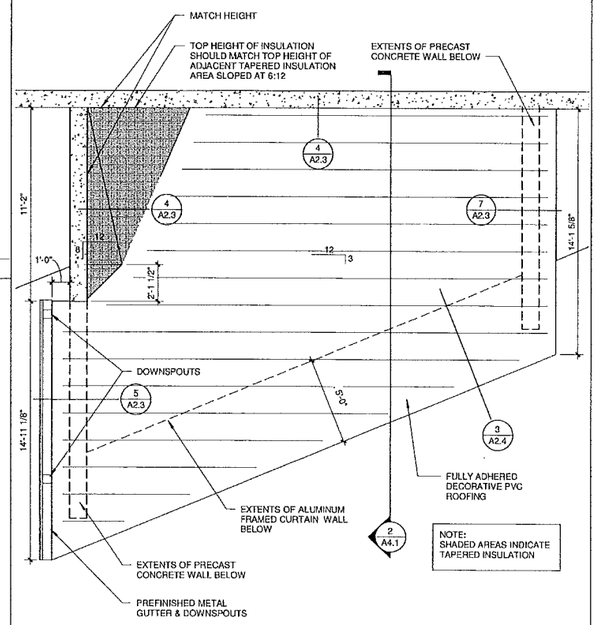
1 **Roof Plan - Offices**
Scale: 1/8" = 1'-0"



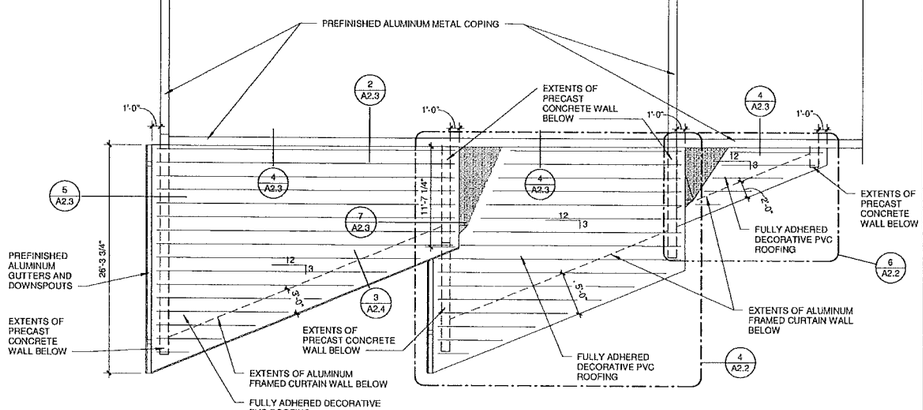
7 **Roof Detail - Manager 117 Gutter**
Scale: 3/4" = 1'-0"



6 **Enlarged Roof Plan - Manager 117**
Scale: 3/8" = 1'-0"



4 **Enlarged Roof Plan - Entry Vestibule**
Scale: 1/4" = 1'-0"



ENGINEERS
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CHAMPAIGN PARK DISTRICT

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PROJECT
Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

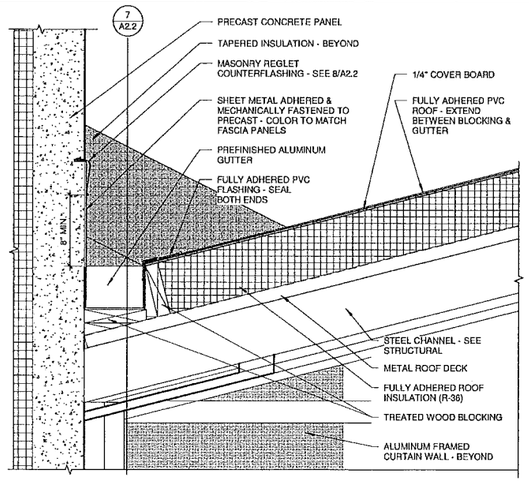
Date:	05/01/13
Design/Drawn:	CJ/KR/SCB
Reviewed:	SCB
Book No.:	-

SHEET TITLE:
Roof Plan & Details

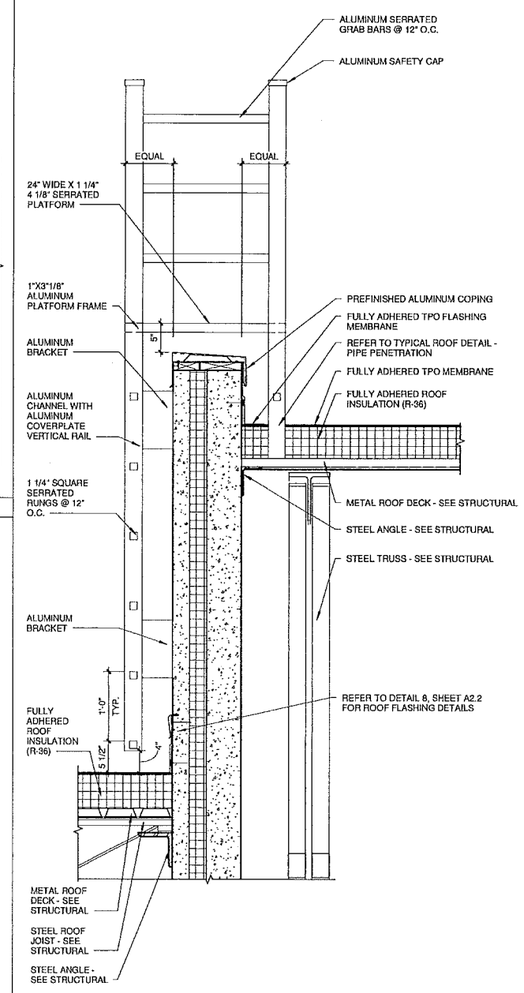
SHEET NUMBER
A2.2

Project No.: 0111316.00

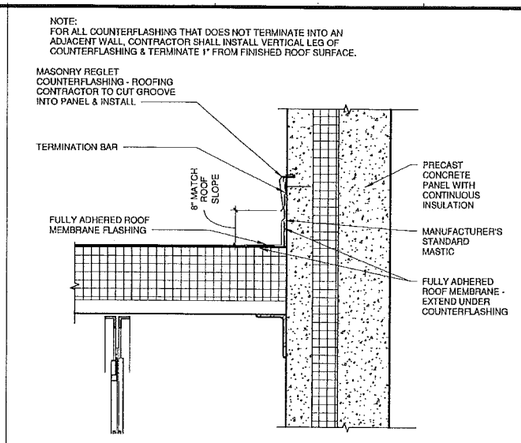
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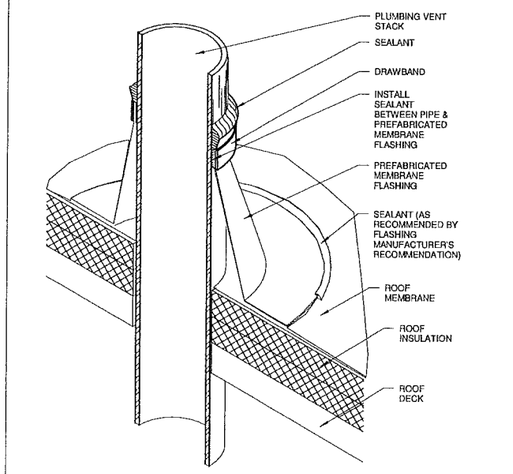
9 Roof Detail - Manager 117
Scale: 1 1/2" = 1'-0"



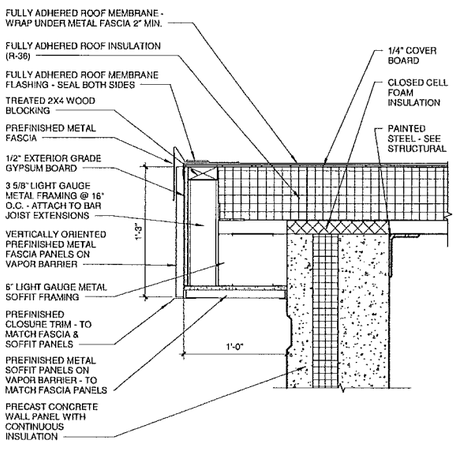
6 Roof Detail - Parapet Ladder
Scale: 1" = 1'-0"



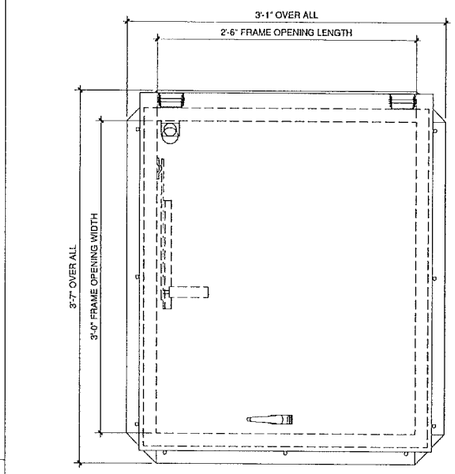
4 Roof Detail - Precast & Membrane Tie-In
Scale: 1 1/2" = 1'-0"



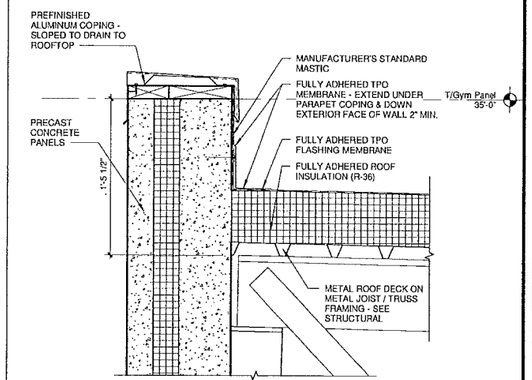
3 Roof Detail - Pipe Penetration
Scale: 3" = 1'-0"



8 Roof Detail - Sloped Rake
Scale: 1 1/2" = 1'-0"



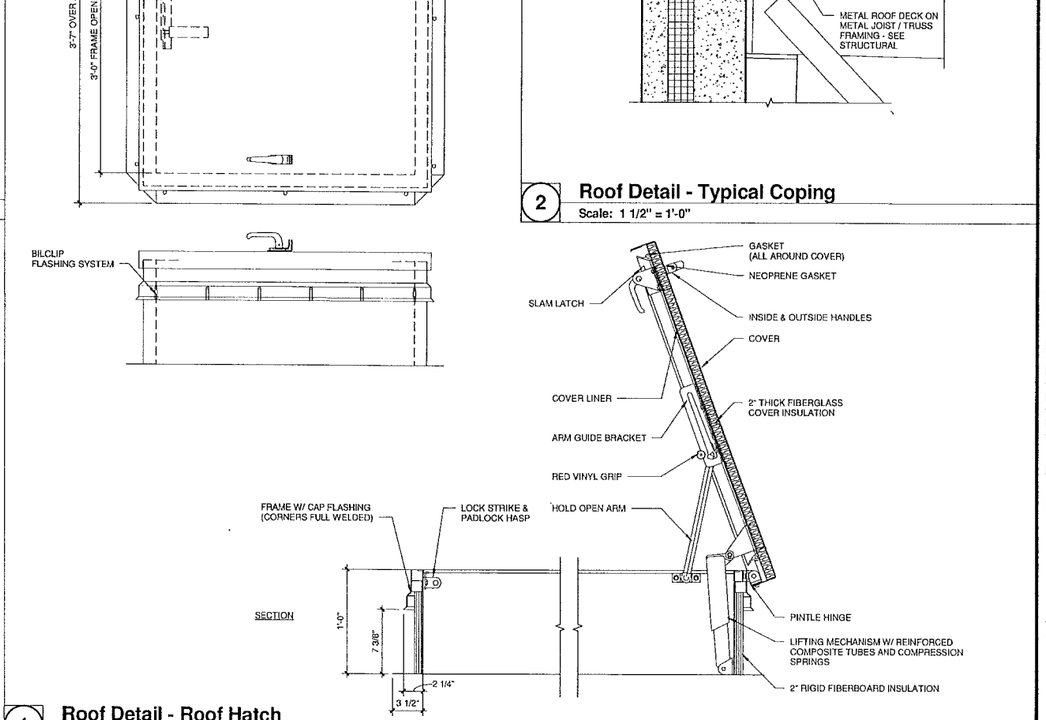
1 Roof Detail - Roof Hatch
Scale: 1 1/2" = 1'-0"



2 Roof Detail - Typical Coping
Scale: 1 1/2" = 1'-0"

7 Roof Detail - Sloped High-Side
Scale: 1 1/2" = 1'-0"

5 Roof Detail - Gutter
Scale: 1 1/2" = 1'-0"



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Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

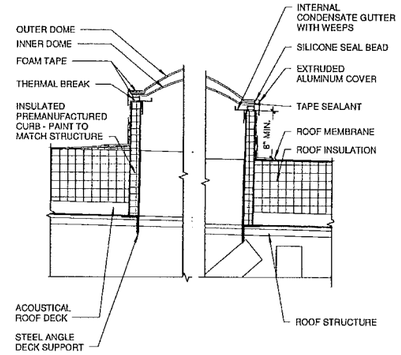
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Design/Drawn:	CJ/KR/SCB
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Book No.:	-

SHEET TITLE:
Roof Details

SHEET NUMBER:
A2.3

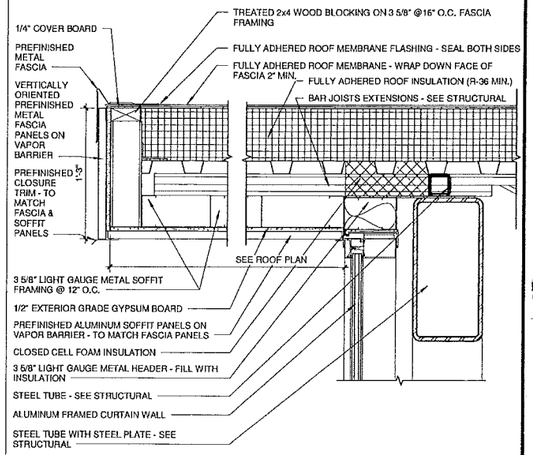
Project No.: 0111316.00

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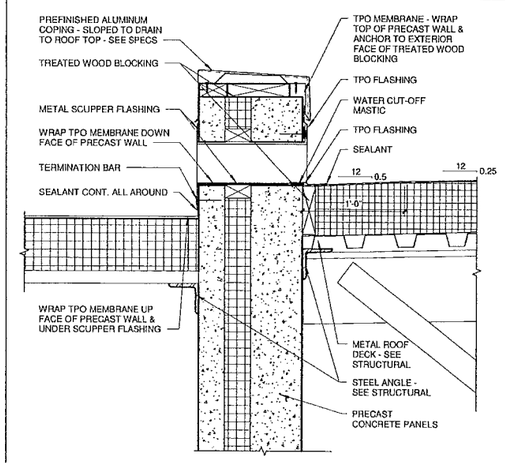
6 Roof Detail - Skylight

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



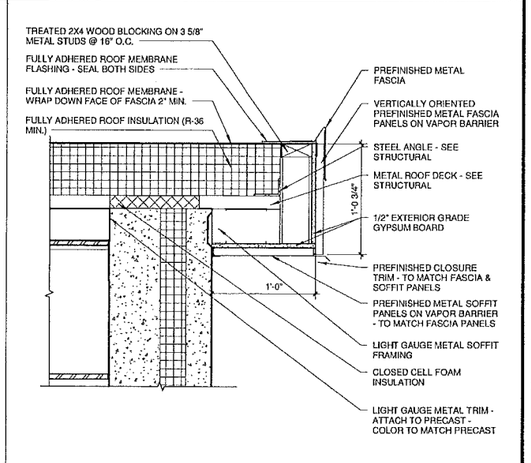
3 Roof Detail - Entry / Indoor Play

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



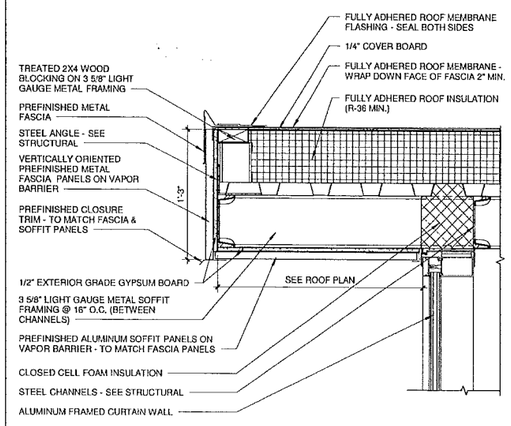
5 Roof Detail - Through-Wall Roof Opening

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



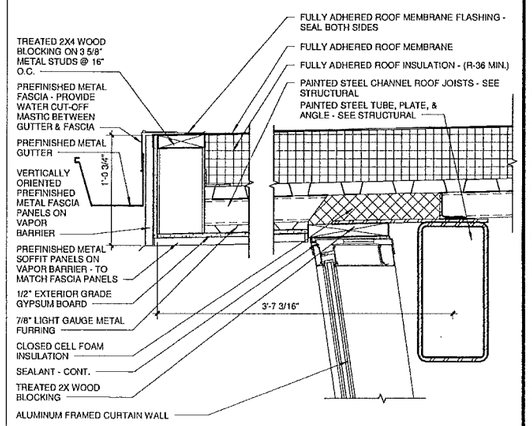
2 Roof Detail - North Curtain Wall

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



4 Roof Detail - Manager 117

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



1 Roof Detail - North Curtain Wall

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

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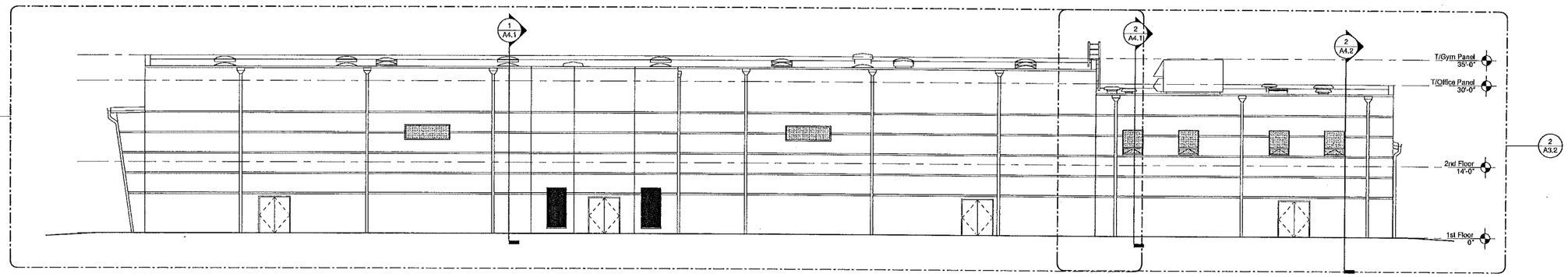
Roof Details

SHEET NUMBER

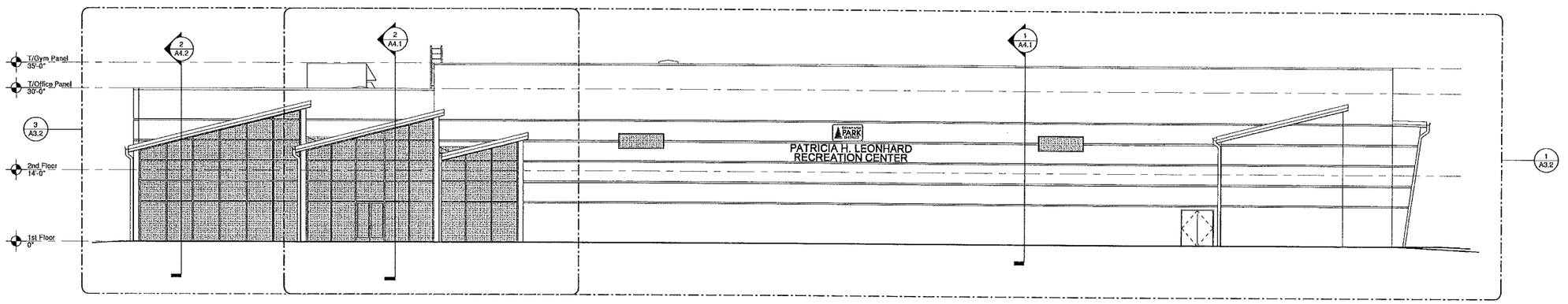
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Project No.: 0111316.00

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2 West Elevation
Scale: 3/32" = 1'-0"



1 East Elevation
Scale: 3/32" = 1'-0"

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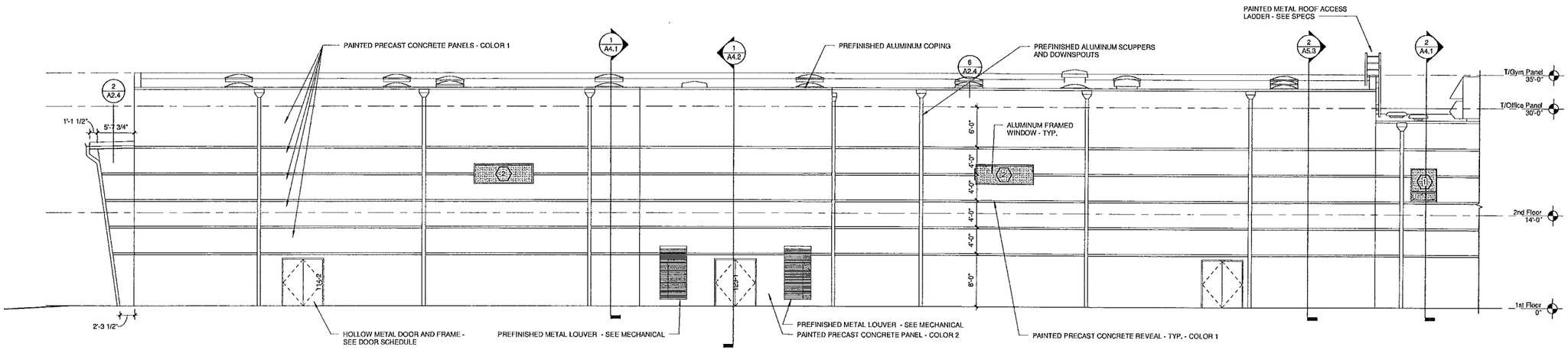
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Design/Drawn:	CJ/KR/SCB
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SHEET TITLE:
Building Elevations

SHEET NUMBER
A3.1

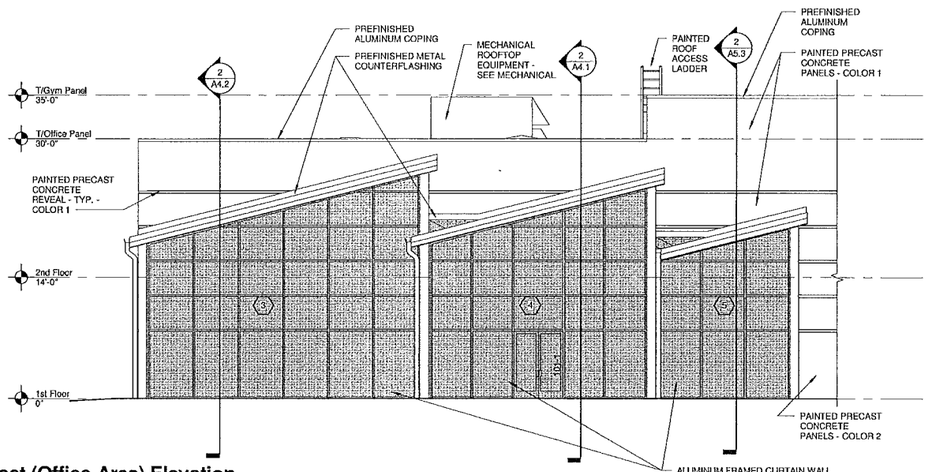
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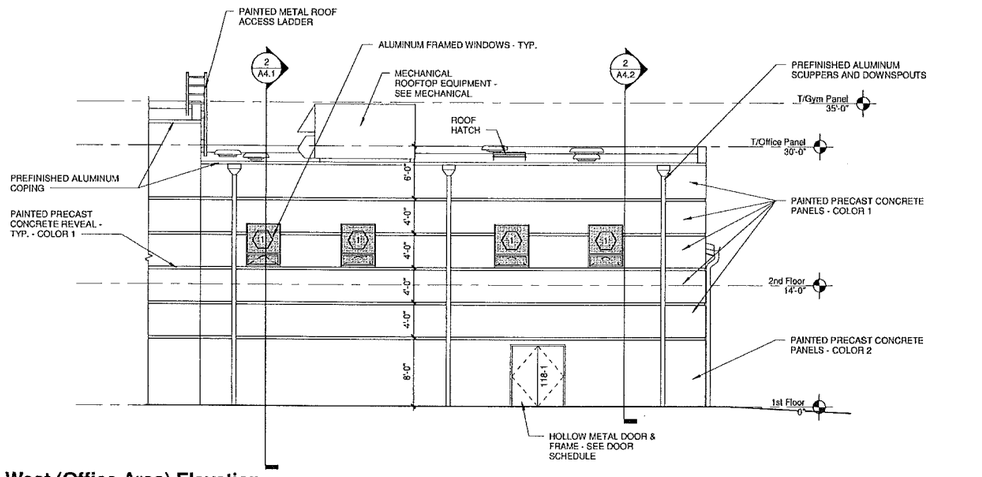
4 West (Gym) Elevation

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



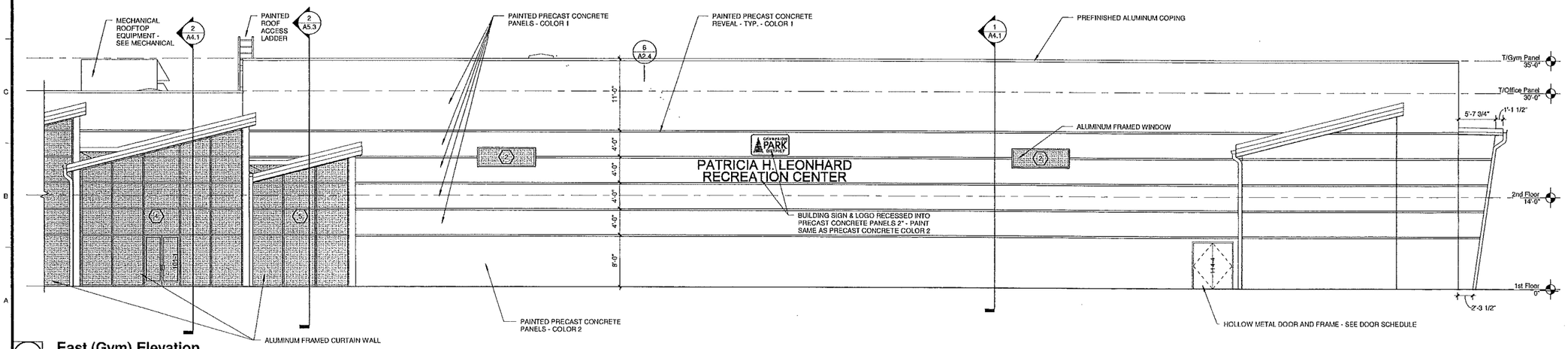
3 East (Office Area) Elevation

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



2 West (Office Area) Elevation

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



1 East (Gym) Elevation

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

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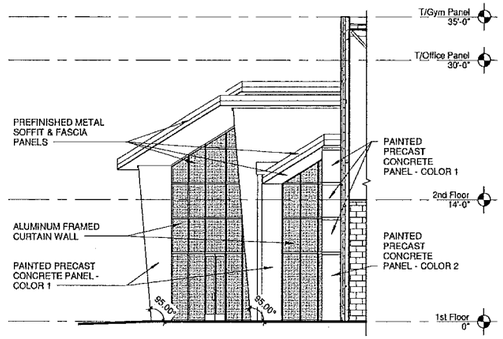
SHEET TITLE:

Building Elevations

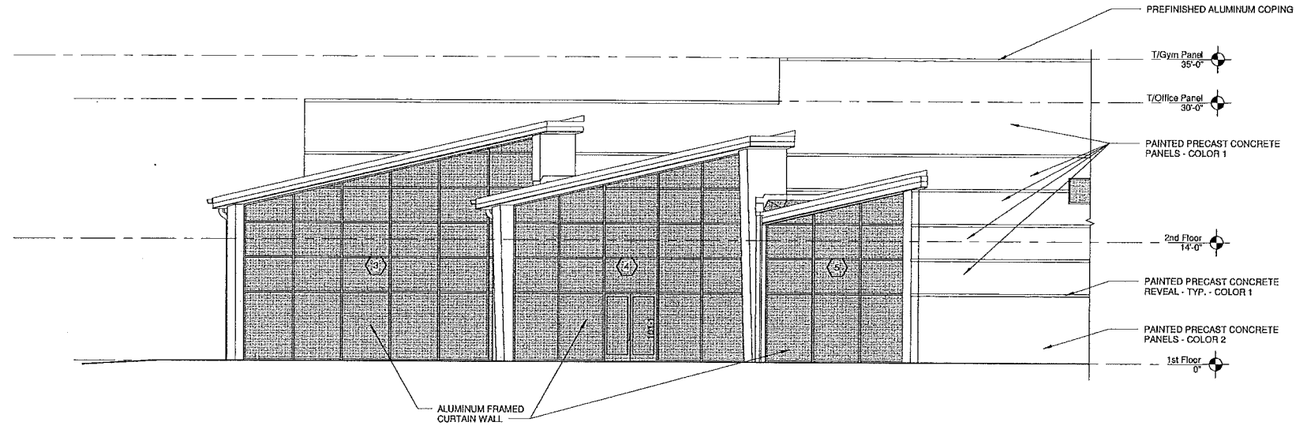
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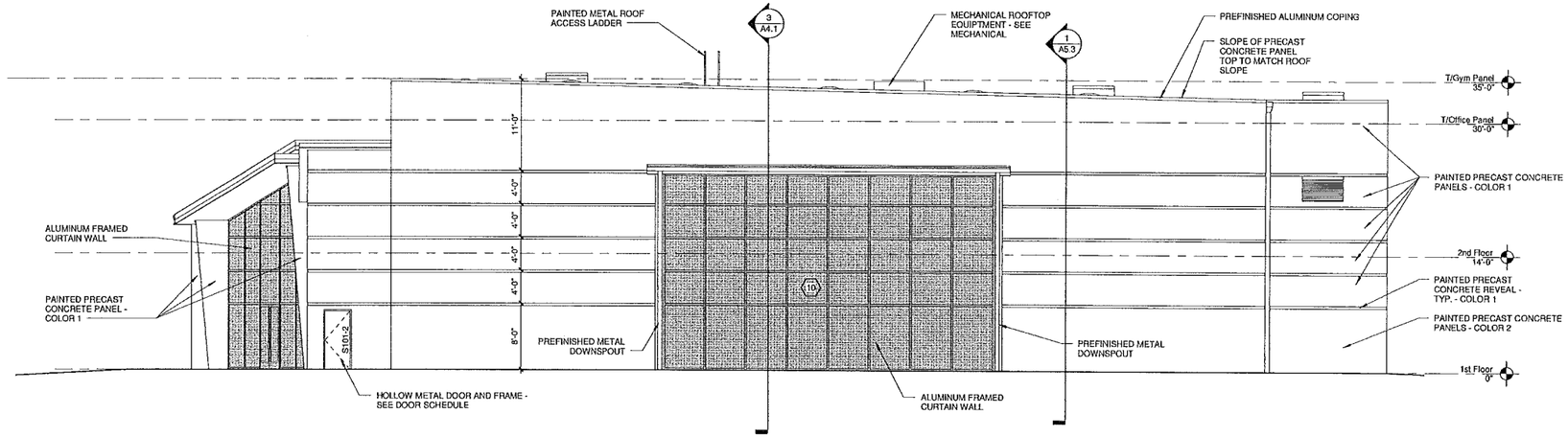
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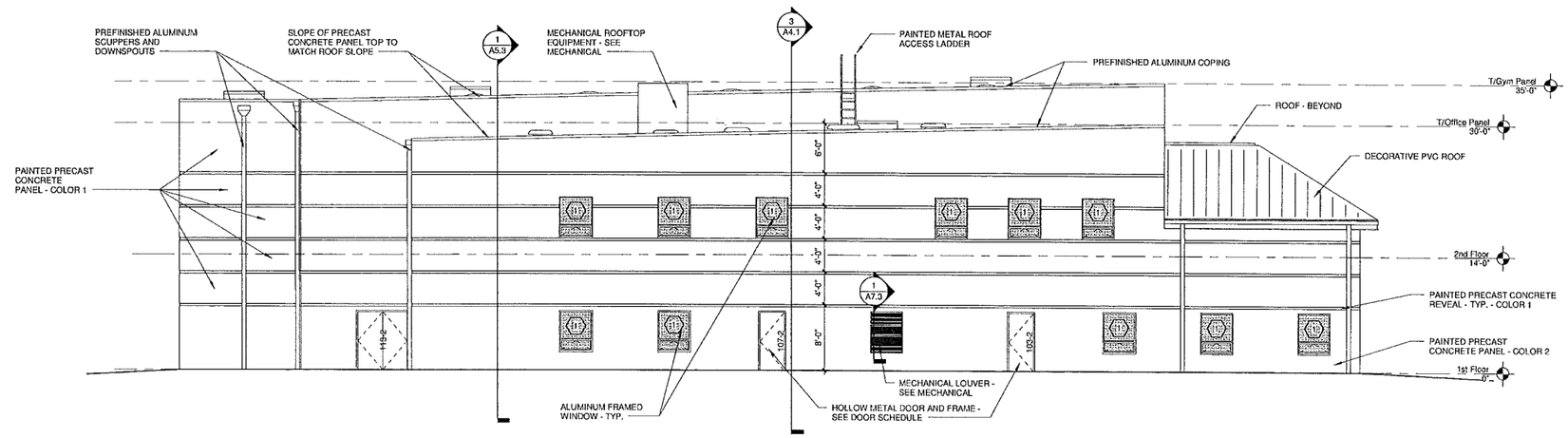
4 Elevation - Front Entry
Scale: 1/8" = 1'-0"



3 Entry Elevation
Scale: 1/8" = 1'-0"



2 North Elevation
Scale: 1/8" = 1'-0"



1 South Elevation
Scale: 1/8" = 1'-0"

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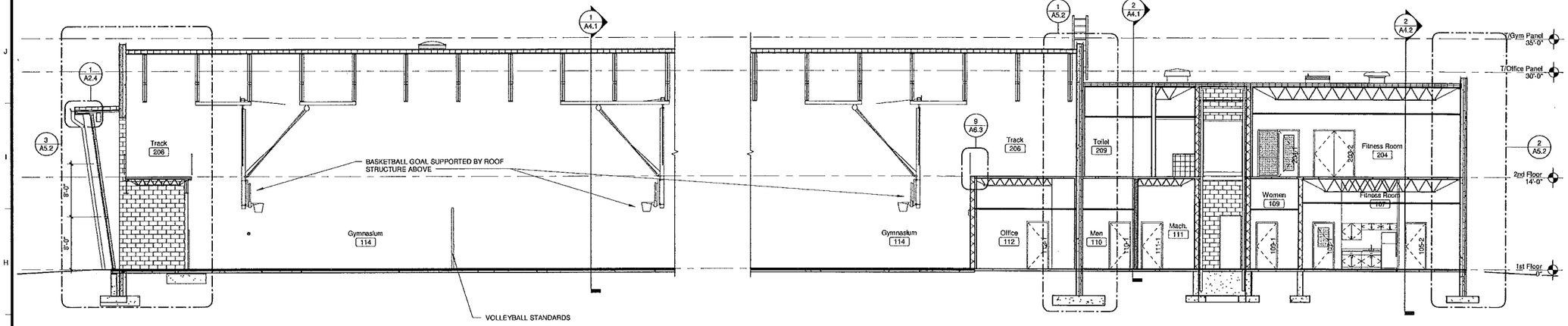
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SHEET TITLE:
Building Elevations

SHEET NUMBER
A3.3

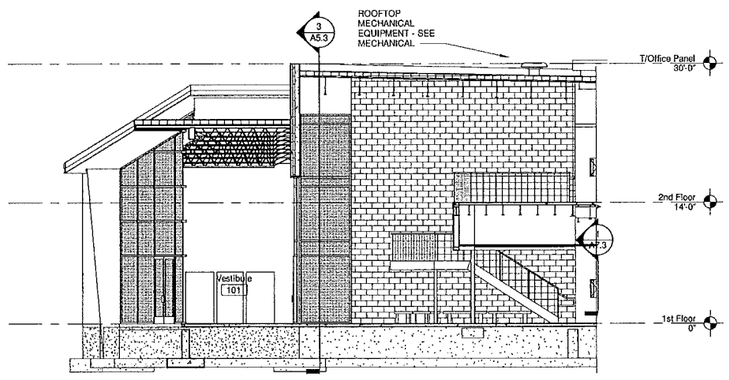
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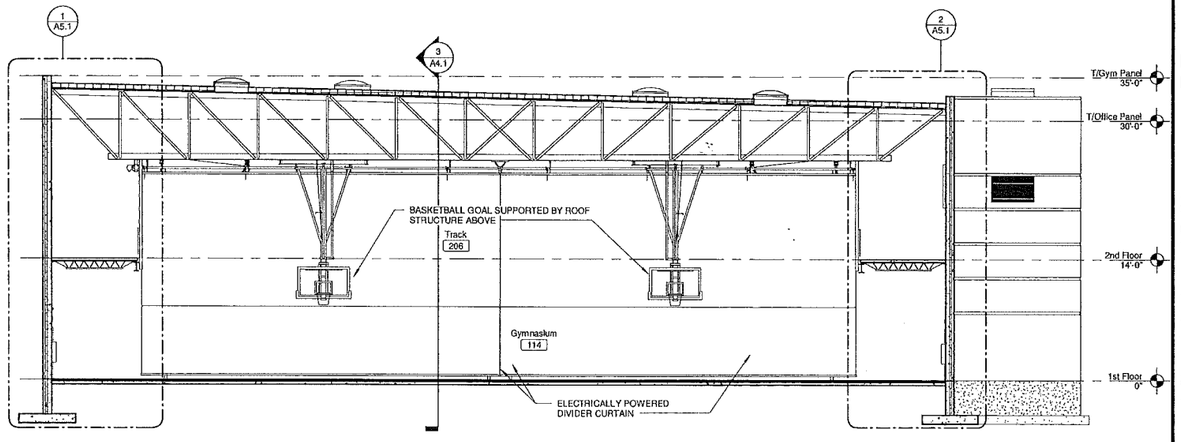
3 Building Section - Longitudinal

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



2 Building Section - Entry

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



1 Building Section - Gym

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

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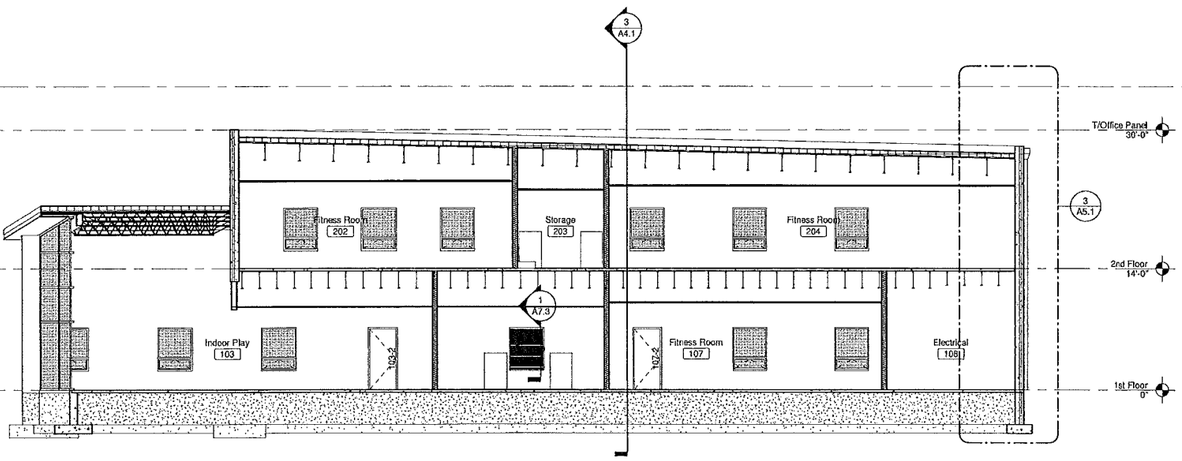
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SHEET TITLE:
Building Sections

SHEET NUMBER
A4.1

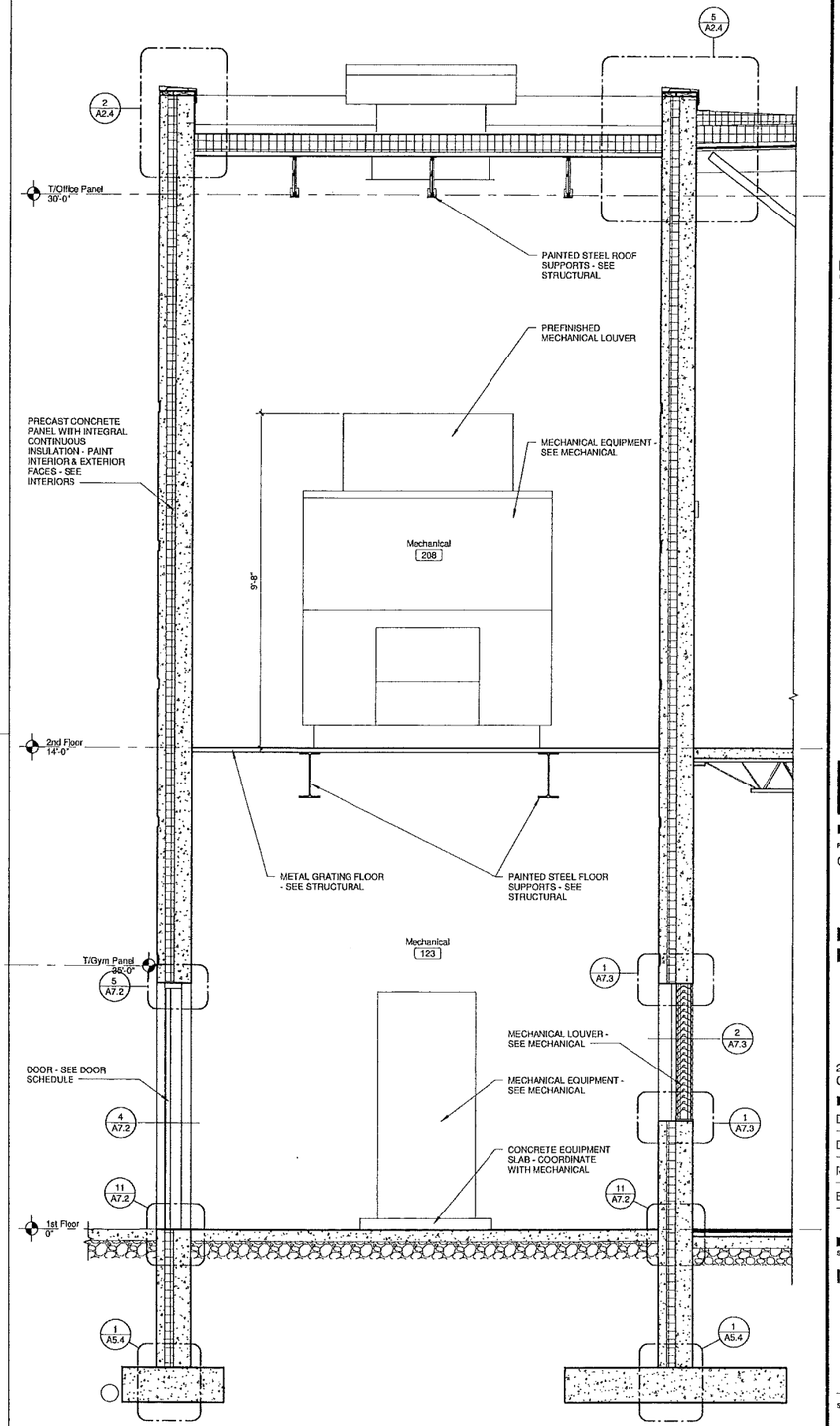
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2 Building Section - Indoor Play

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



1 Building Section - Mechanical

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

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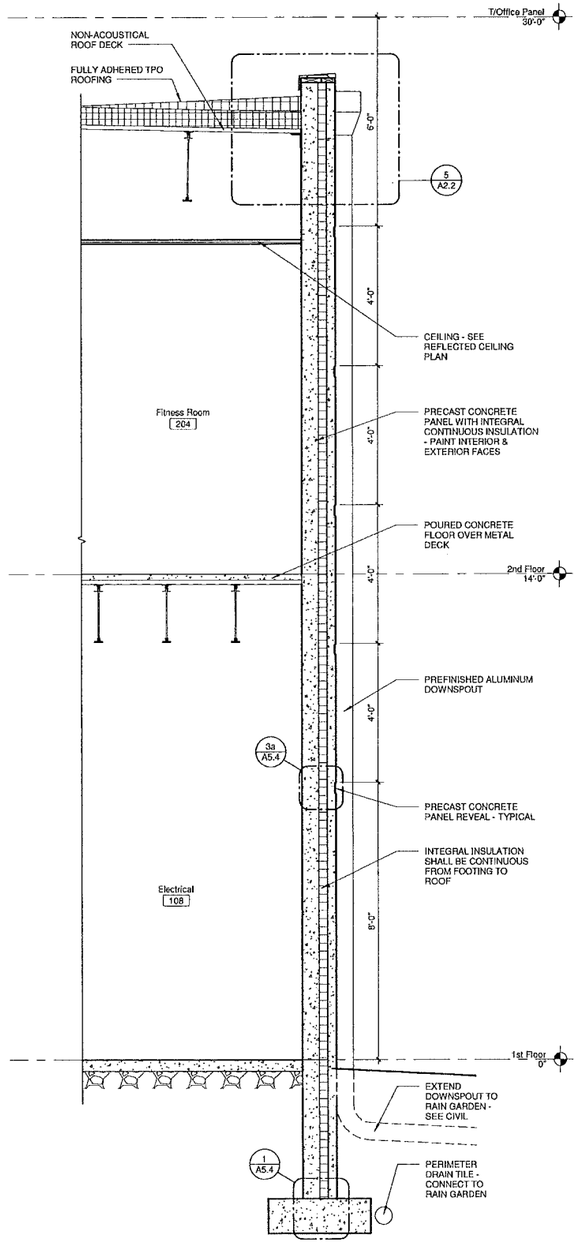
Interior Sections

SHEET NUMBER

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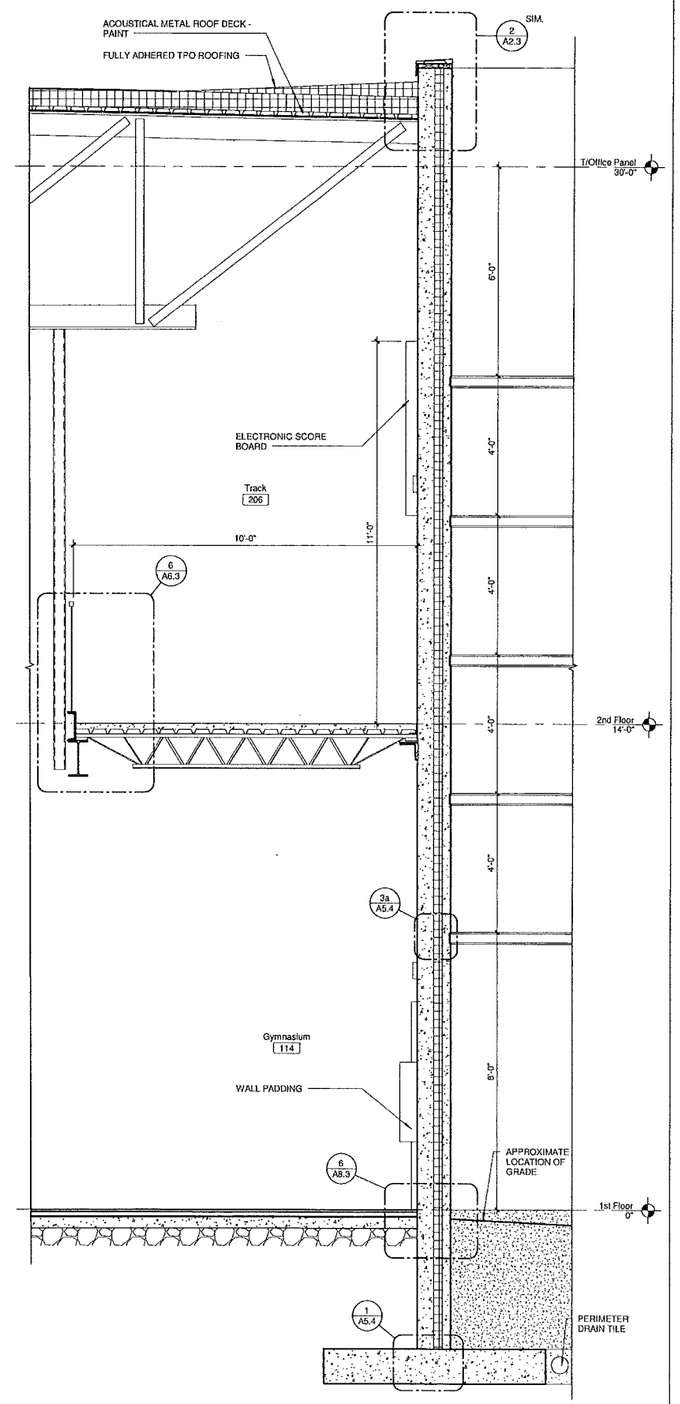
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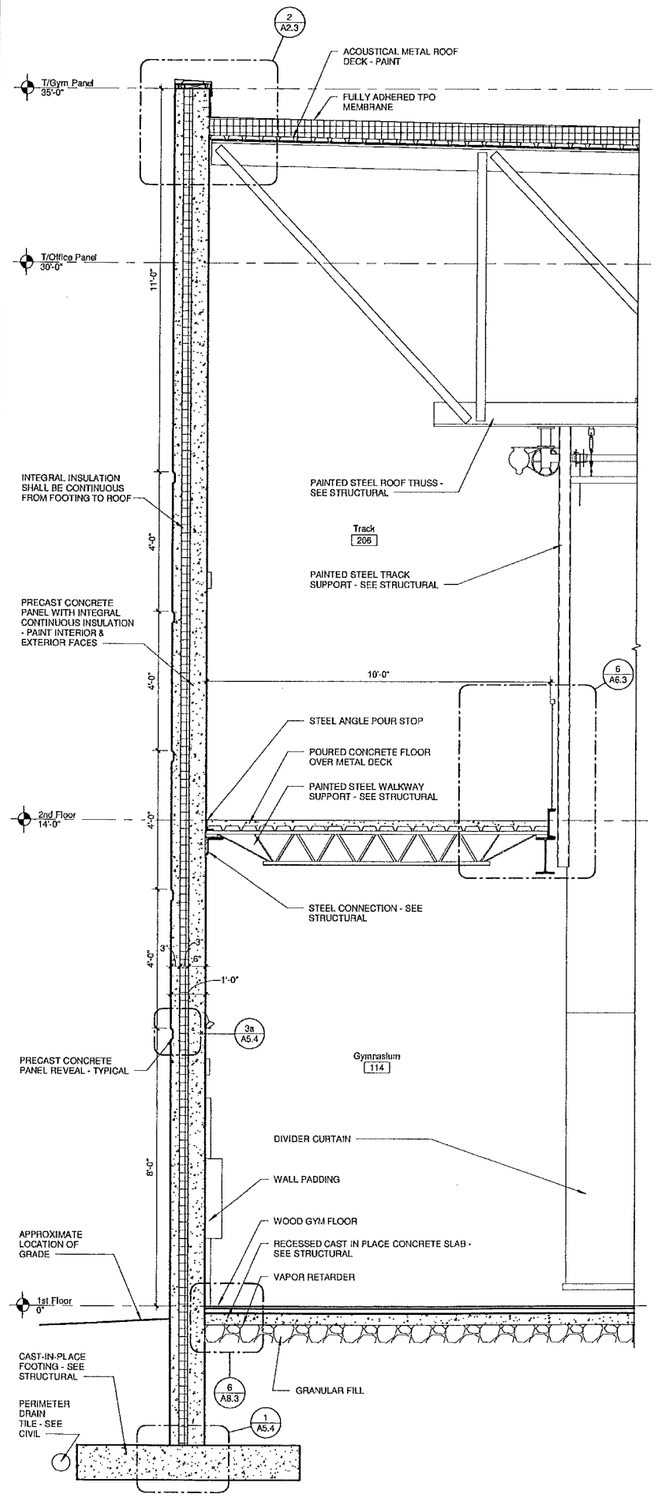


3 **Wall Section - Typical Non-Gym**
Scale: 1/2" = 1'-0"

NOTE:
FOR TYPICAL WALL SECTION NOTES, REFER TO DETAIL 1, THIS SHEET.



2 **Wall Section - Typical Gym (Low)**
Scale: 1/2" = 1'-0"



1 **Wall Section - Typical Gym (High)**
Scale: 1/2" = 1'-0"

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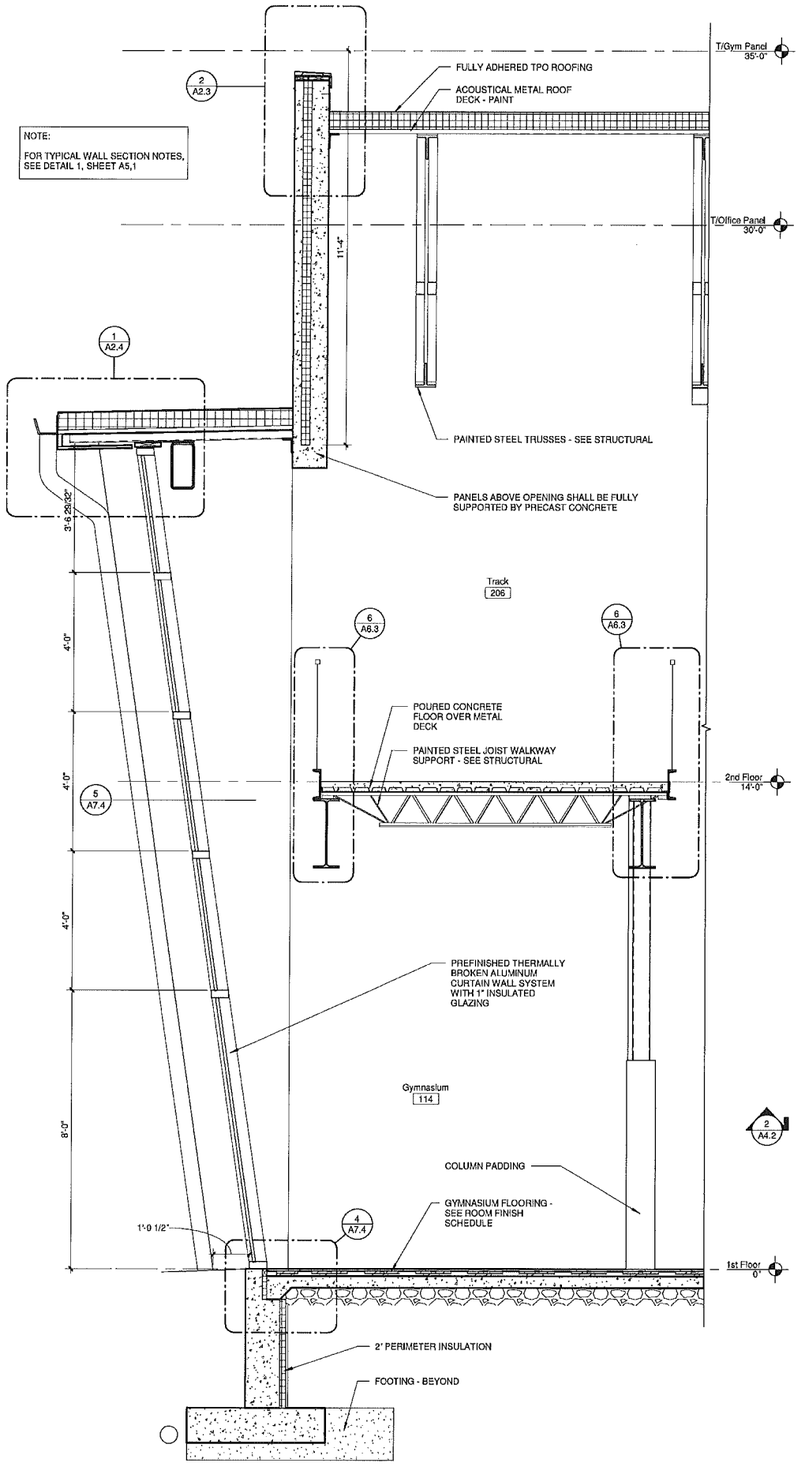
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SHEET TITLE:
Wall Sections

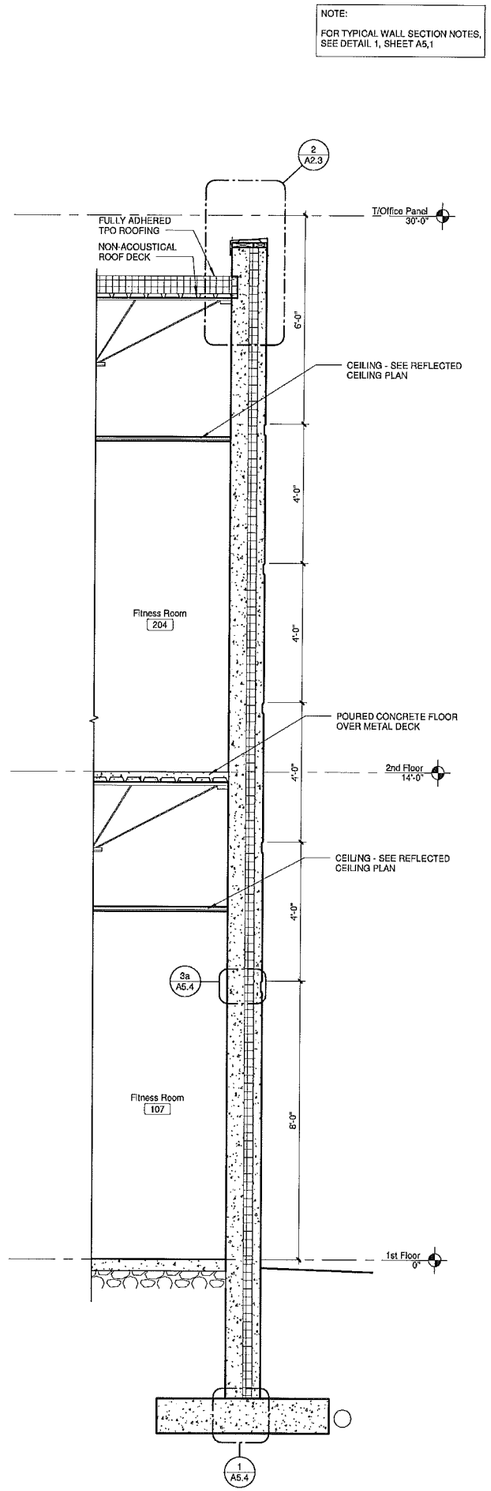
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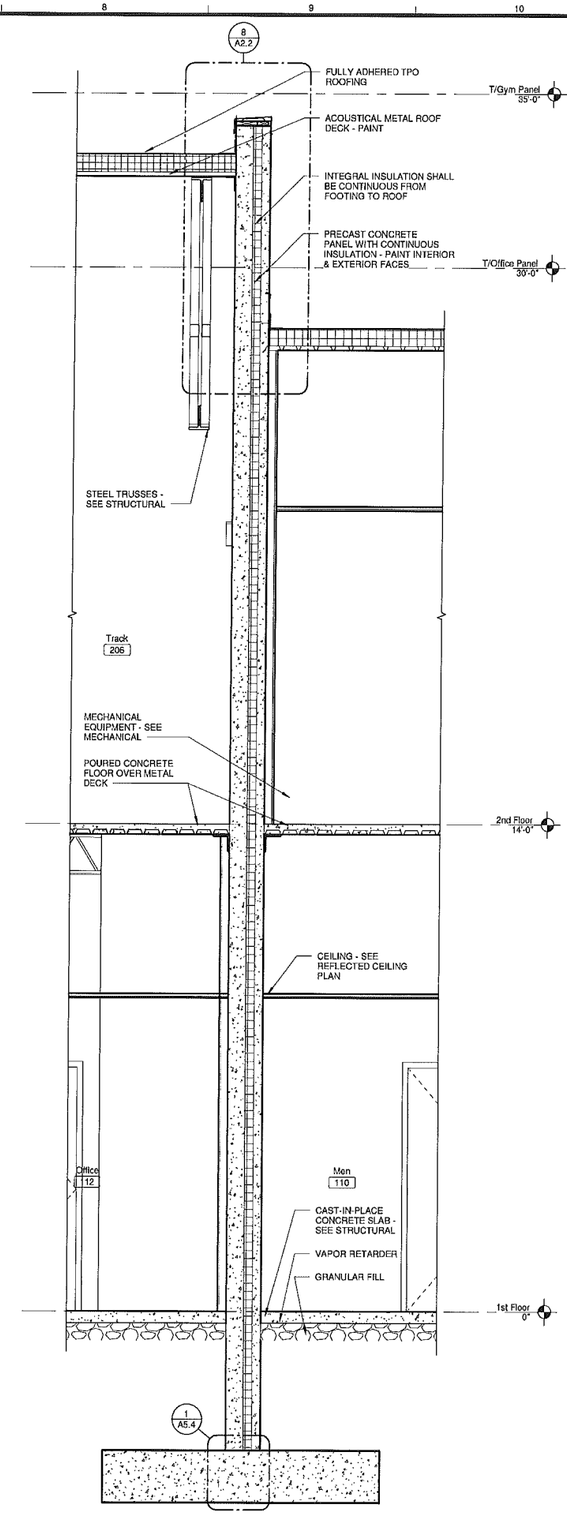
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3 Wall Section - Gym Curtain Wall
Scale: 1/2" = 1'-0"



2 Wall Section - Non-Gym
Scale: 1/2" = 1'-0"



1 Wall Section - Demising Wall
Scale: 1/2" = 1'-0"

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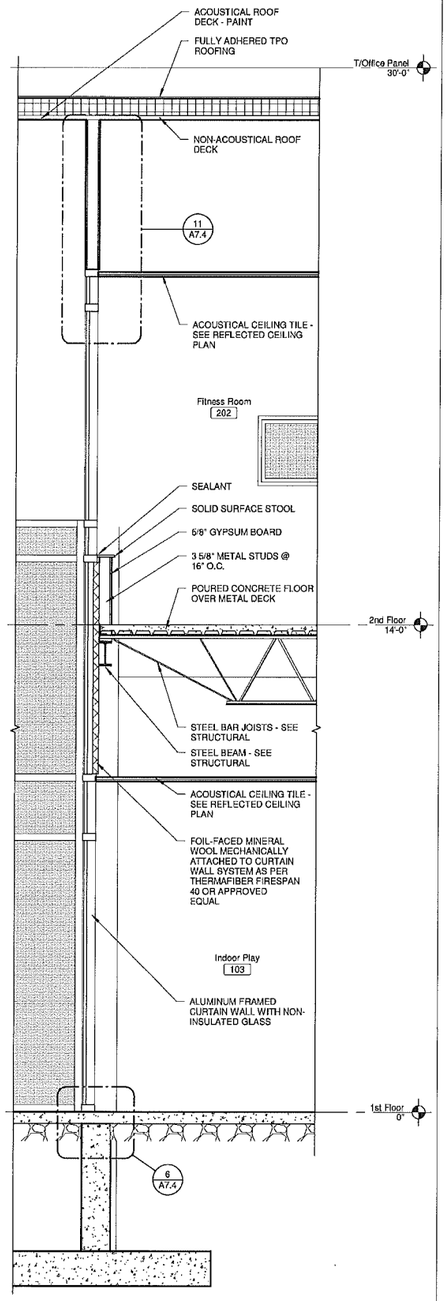
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Book No.:	-

SHEET TITLE:
Wall Sections

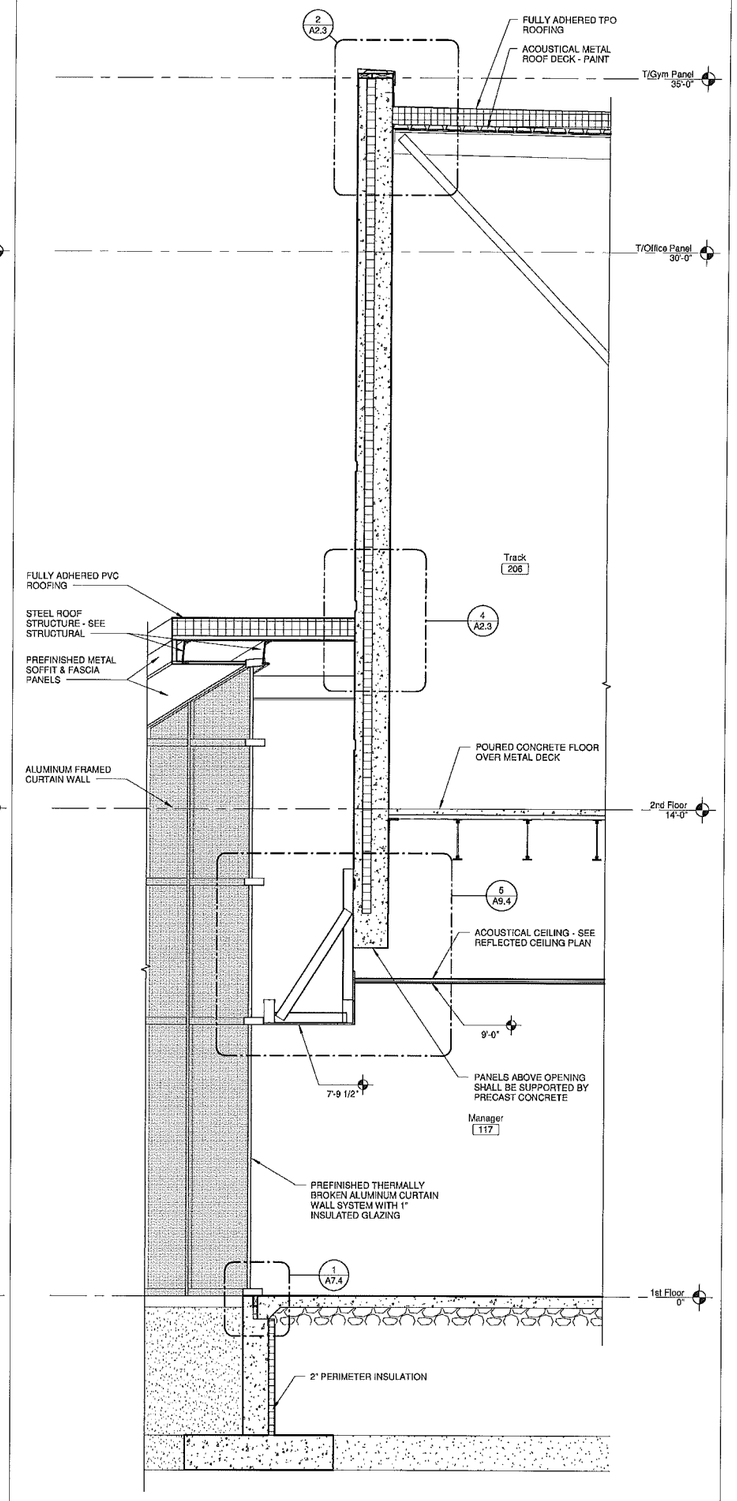
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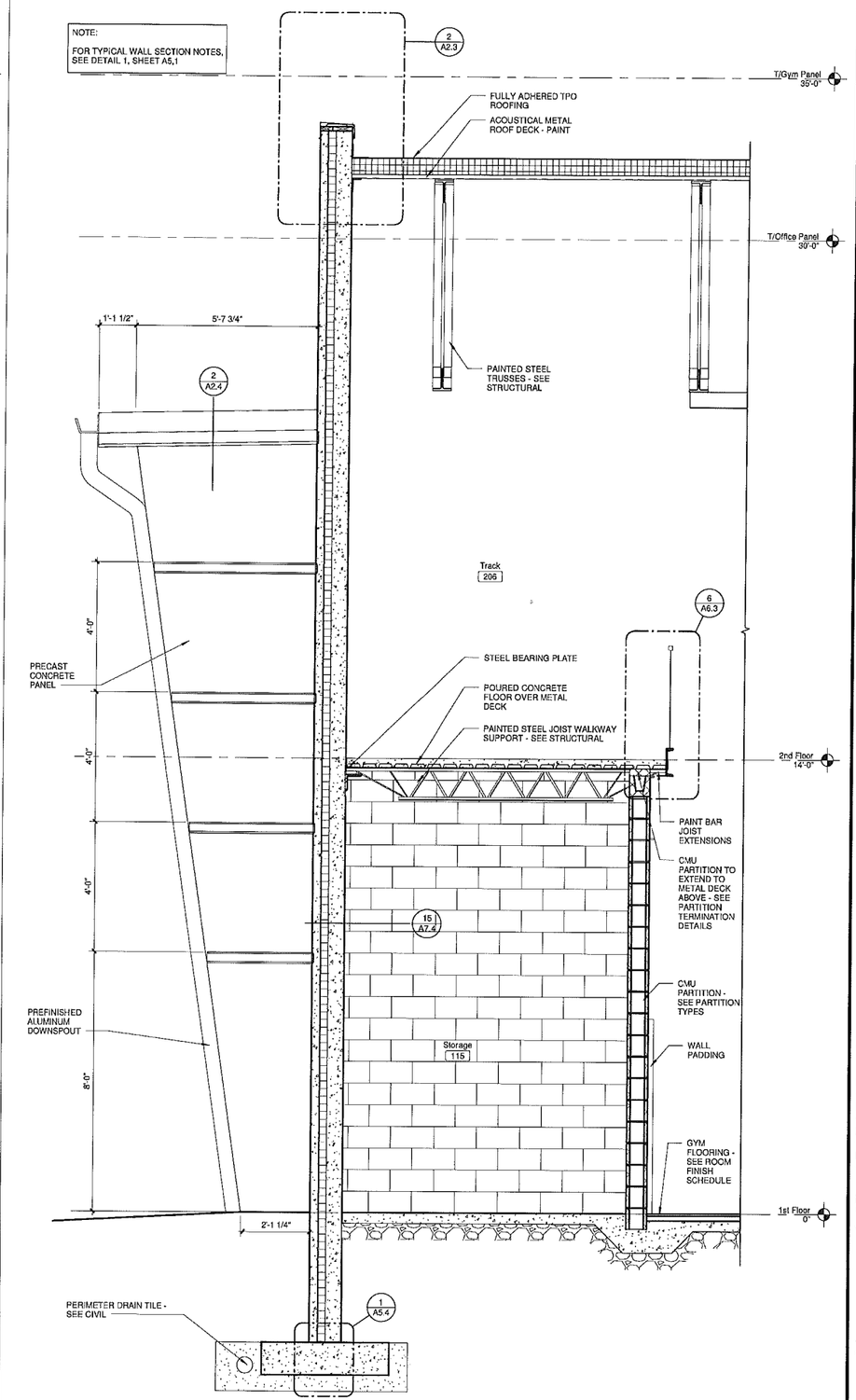
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3 **Building Section - Interior Curtain Wall**
Scale: 1/2" = 1'-0"



2 **Wall Section - Manager 117**
Scale: 1/2" = 1'-0"



1 **Wall Section - Gym Storage**
Scale: 1/2" = 1'-0"

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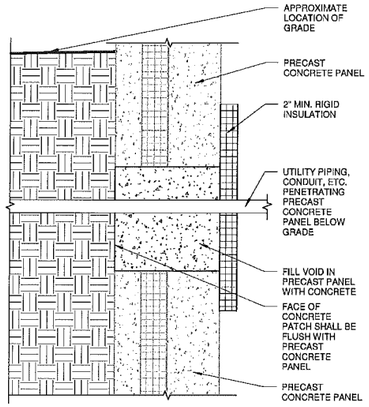
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Wall Sections

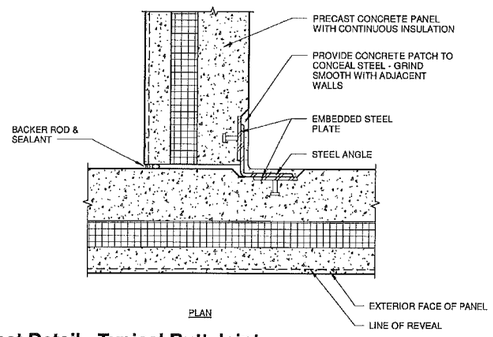
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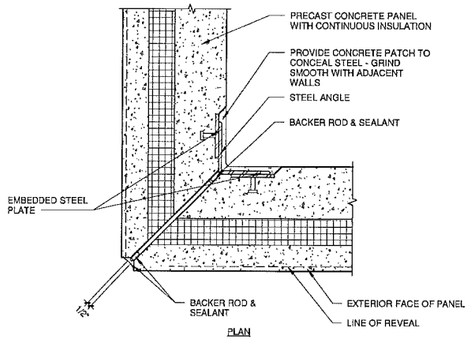
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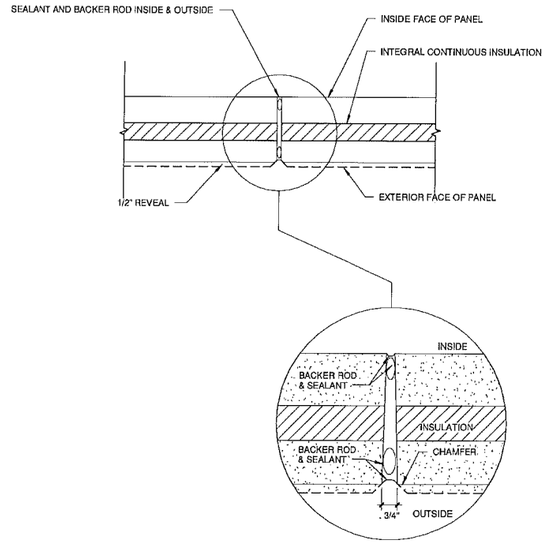
6 Precast Detail - Below Grade Patch
Scale: 1 1/2" = 1'-0"



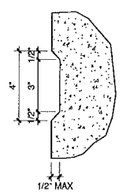
5 Precast Detail - Typical Butt Joint
Scale: 1 1/2" = 1'-0"



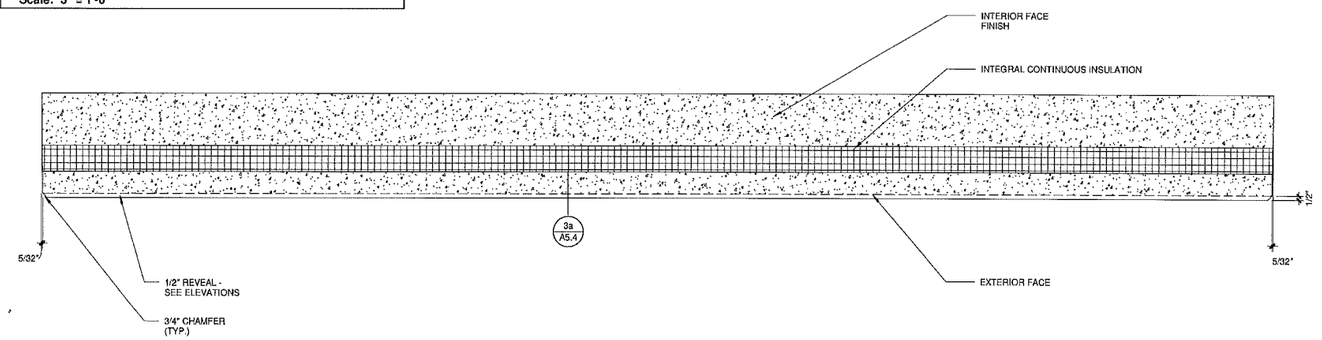
4 Precast Detail - Typical Corner
Scale: 1 1/2" = 1'-0"



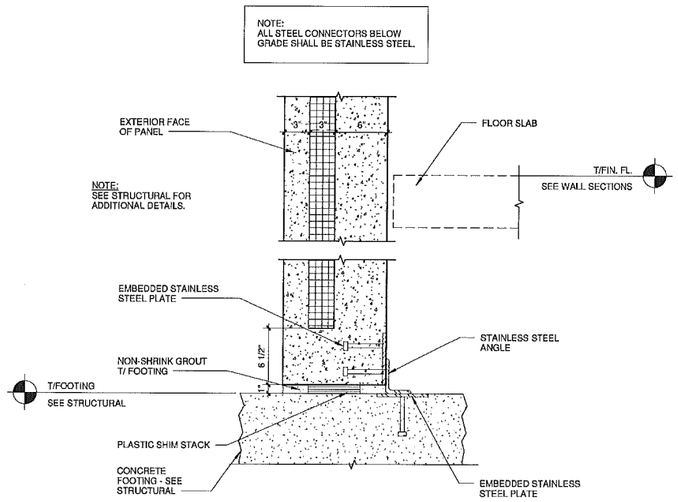
2 Precast Detail - Typical Vertical Panel Joint
Scale: 1 1/2" = 1'-0"



3a Precast Detail - Typical Reveal
Scale: 3" = 1'-0"



3 Precast Detail - Typical Wall Panel Section
Scale: 1 1/2" = 1'-0"



1 Precast Detail - Wall Panel Base Connection
Scale: 1 1/2" = 1'-0"

ENGINEERS
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www.f-w.com

ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

Bid Set

PROJECT:
Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	CJ/KR/SCB
Reviewed:	SCB
Book No.:	-

SHEET TITLE:

Precast Concrete Details

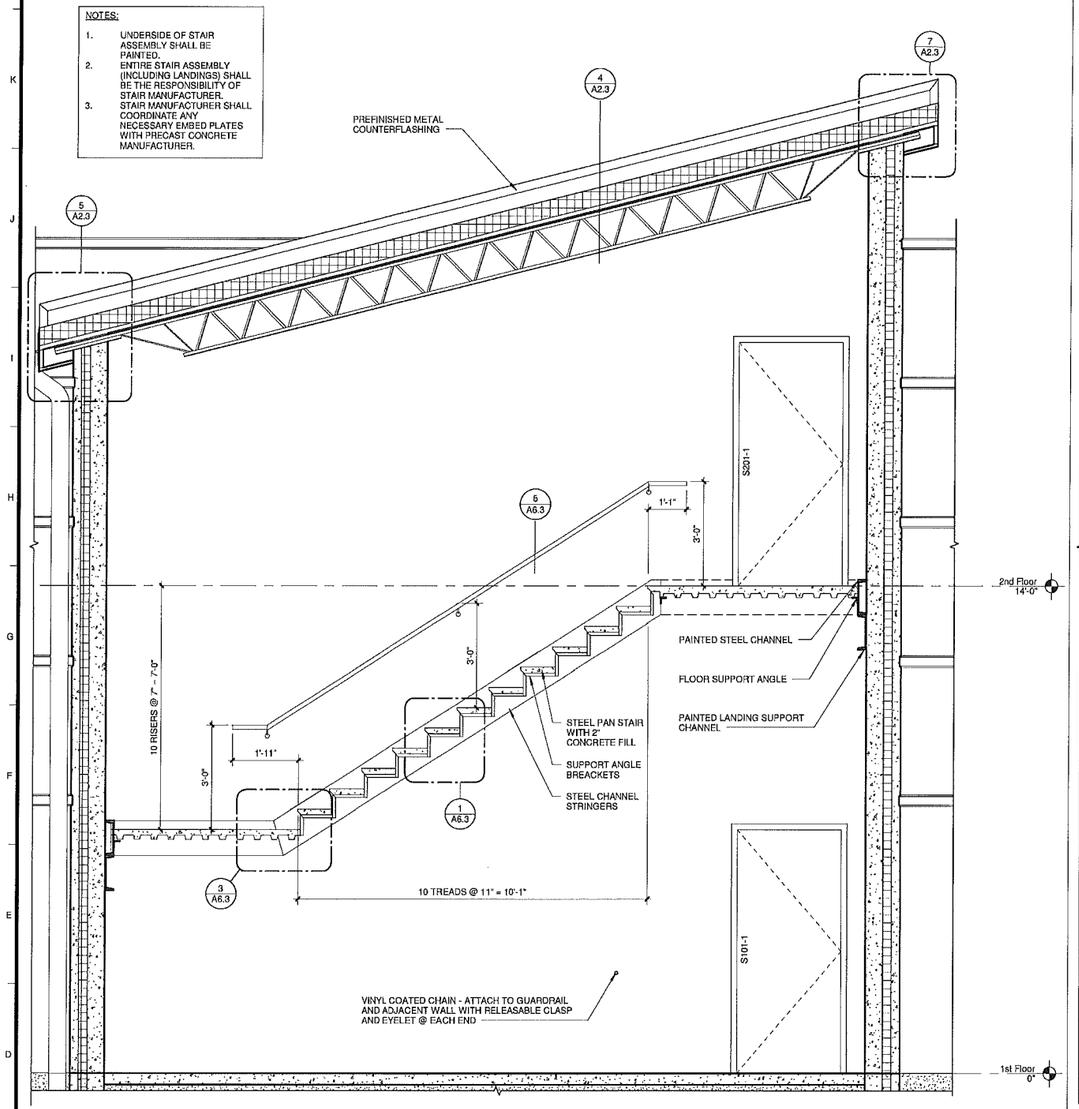
SHEET NUMBER

A5.4

Project No.: 0111316.00

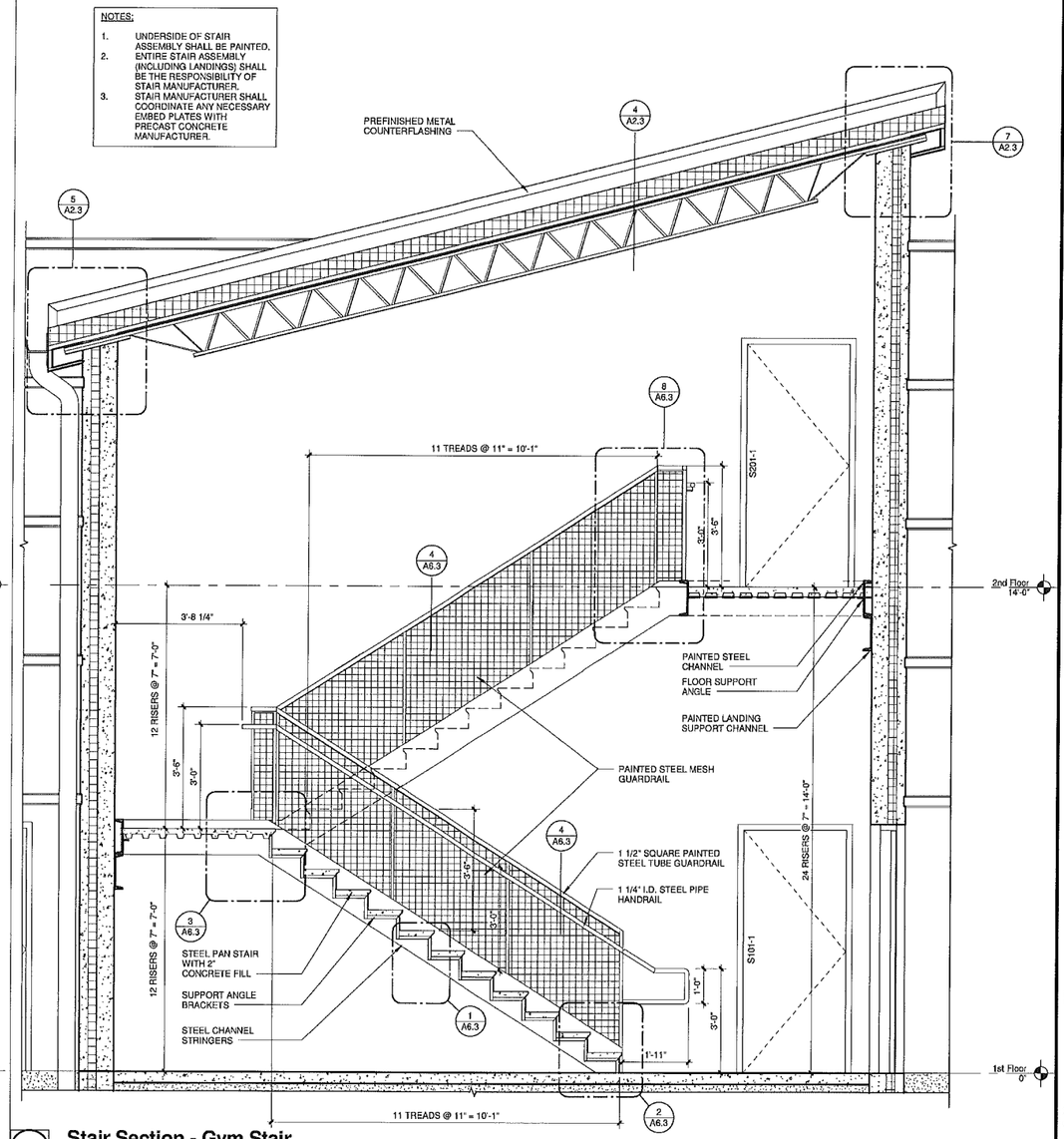
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NOTES:
1. UNDERSIDE OF STAIR ASSEMBLY SHALL BE PAINTED.
2. ENTIRE STAIR ASSEMBLY (INCLUDING LANDINGS) SHALL BE THE RESPONSIBILITY OF STAIR MANUFACTURER.
3. STAIR MANUFACTURER SHALL COORDINATE ANY NECESSARY EMBED PLATES WITH PRECAST CONCRETE MANUFACTURER.

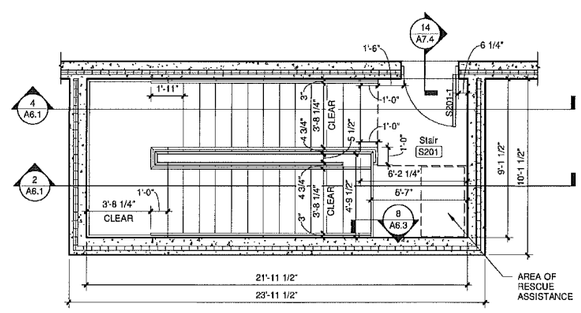


4 Stair Section - Gym Stair
Scale: 1/2" = 1'-0"

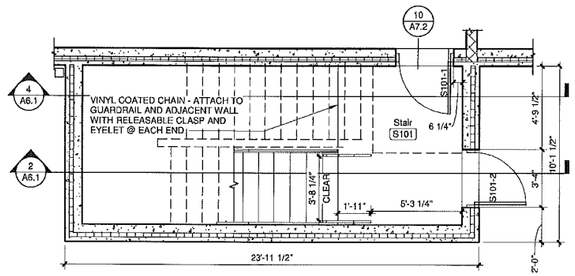
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2. ENTIRE STAIR ASSEMBLY (INCLUDING LANDINGS) SHALL BE THE RESPONSIBILITY OF STAIR MANUFACTURER.
3. STAIR MANUFACTURER SHALL COORDINATE ANY NECESSARY EMBED PLATES WITH PRECAST CONCRETE MANUFACTURER.



2 Stair Section - Gym Stair
Scale: 1/2" = 1'-0"



3 Enlarged Second Floor Plan - Stair
Scale: 1/4" = 1'-0"



1 Enlarged First Floor Plan - Stair
Scale: 1/4" = 1'-0"

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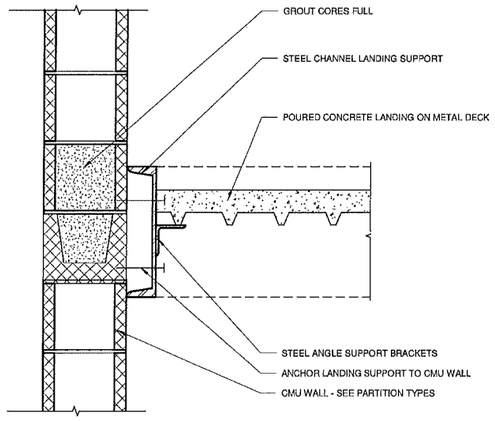
Date:	05/01/13
Design/Drawn:	CJ/KR/SCB
Reviewed:	SCB
Book No.:	-

SHEET TITLE
Enlarged Stair Plans & Details

SHEET NUMBER
A6.1

Project No.: 0111316.00

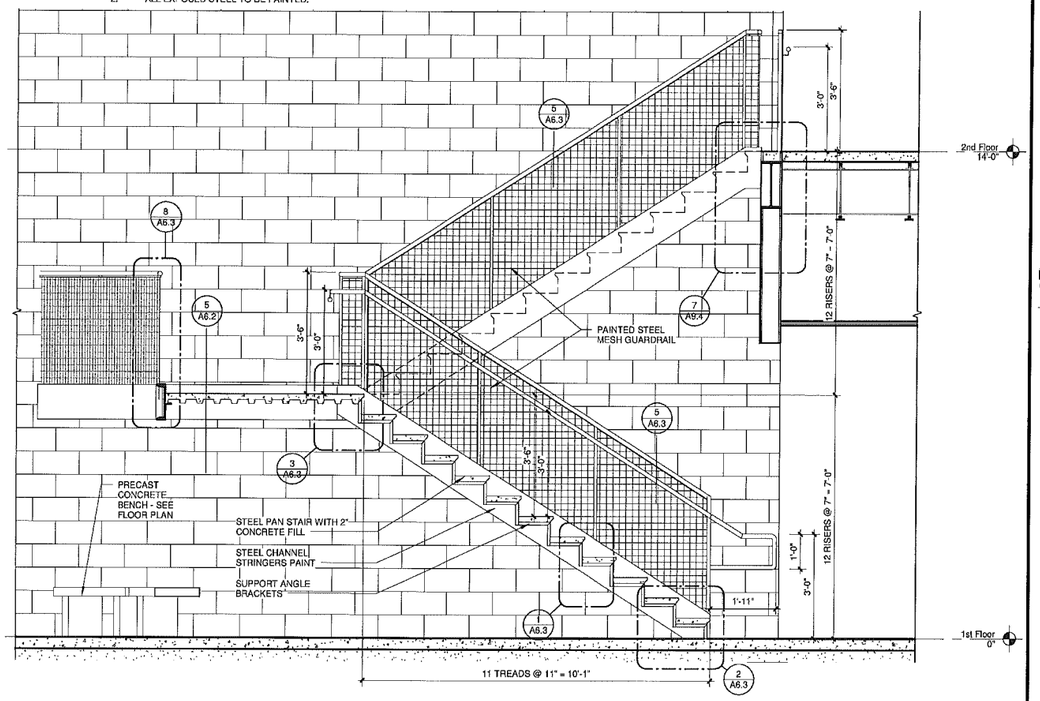
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5 Stair Detail

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

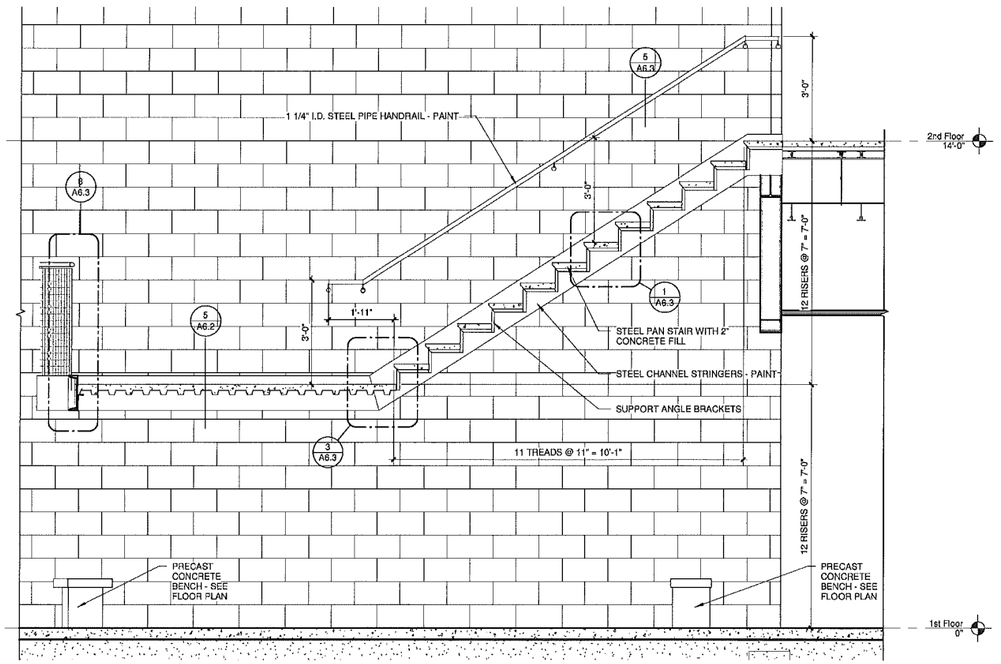
NOTES:
1. UNDERSIDE OF STAIR TO BE PAINTED.
2. ALL EXPOSED STEEL TO BE PAINTED.



3 Stair Section - Main Stair

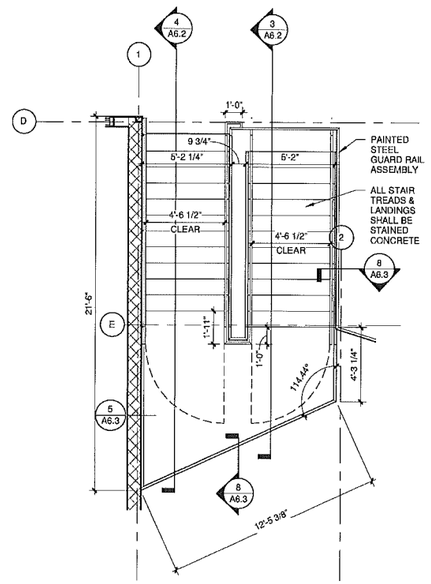
Scale: 1/2" = 1'-0"

NOTES:
1. UNDERSIDE OF STAIR TO BE PAINTED.
2. ALL EXPOSED STEEL TO BE PAINTED.



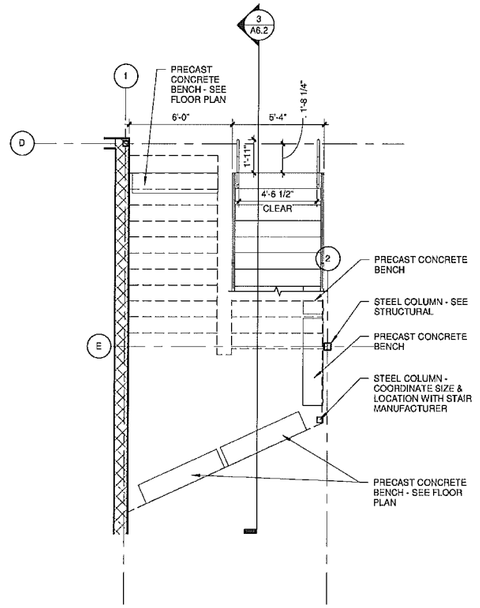
4 Stair Section - Main Stair

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



2 Enlarged Second Floor Plan - Entry Stair

Scale: 1/4" = 1'-0"



1 Enlarged First Floor Plan - Entry Stair

Scale: 1/4" = 1'-0"

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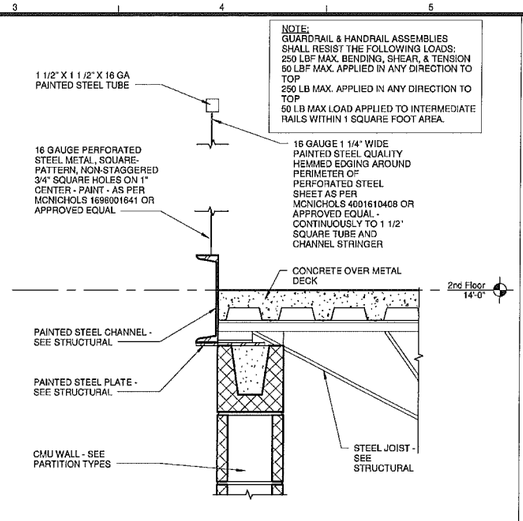
Enlarged Stair Plan & Details

SHEET NUMBER

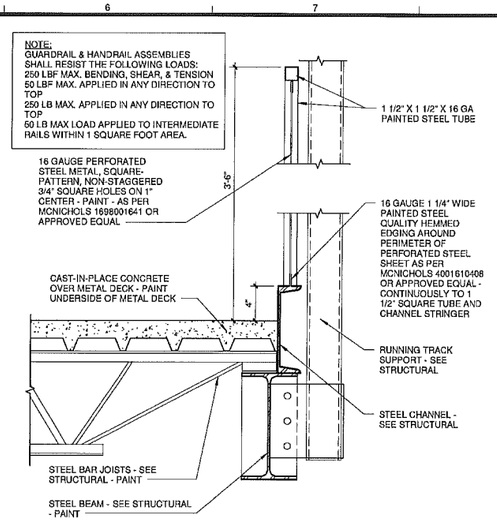
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Project No.: 0111316.00

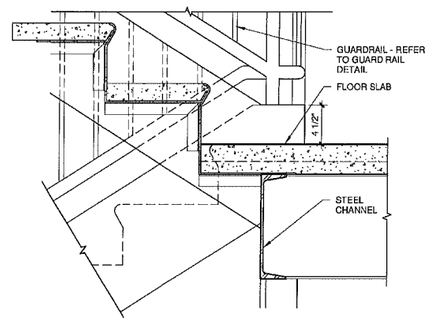
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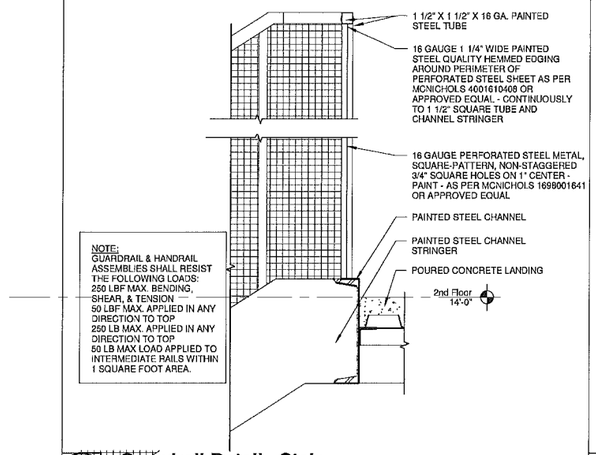
9 **Guardrail Detail - Track**
Scale: 1 1/2" = 1'-0"



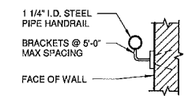
6 **Guardrail Detail - Track**
Scale: 1 1/2" = 1'-0"



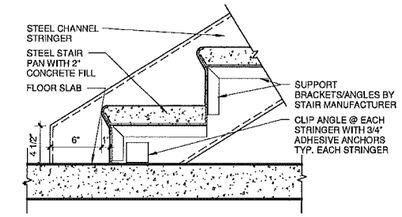
3 **Stair Detail**
Scale: 1 1/2" = 1'-0"



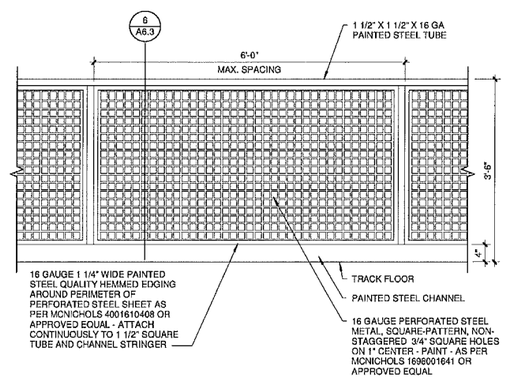
8 **Guardrail Detail - Stair**
Scale: 1 1/2" = 1'-0"



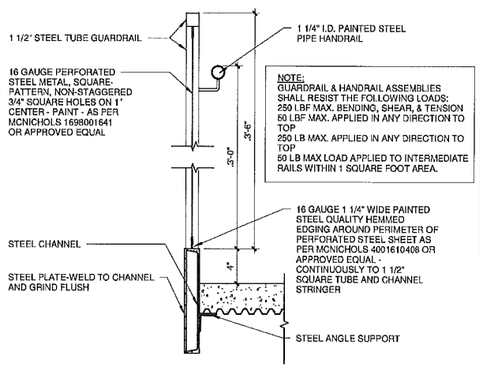
5 **Handrail Detail**
Scale: 1 1/2" = 1'-0"



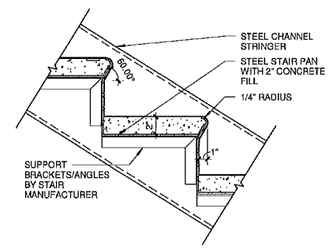
2 **Stair Detail**
Scale: 1 1/2" = 1'-0"



7 **Mesh Guardrail**
Scale: 3/4" = 1'-0"



4 **Guardrail Detail**
Scale: 1 1/2" = 1'-0"



1 **Stair Detail**
Scale: 1 1/2" = 1'-0"

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CHAMPAIGN PARK DISTRICT

Bid Set

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Date:	05/01/13
Design/Drawn:	CJ/KR/SCB
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SHEET TITLE:

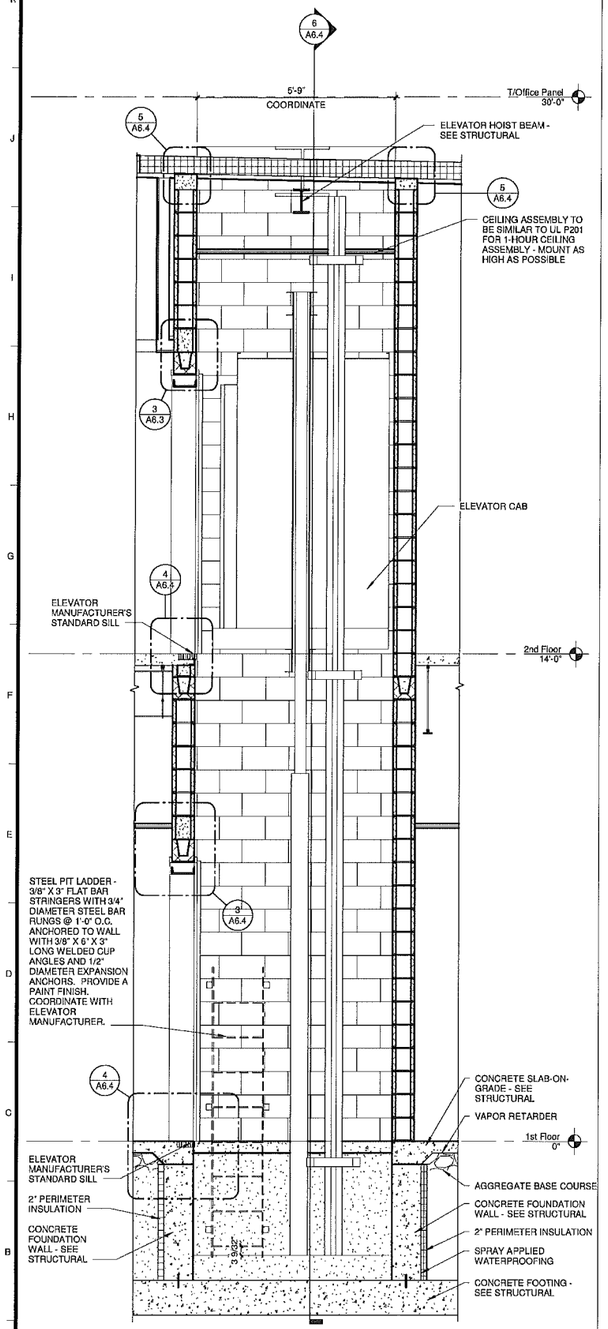
Enlarged Stair Plan & Details

SHEET NUMBER

A6.3

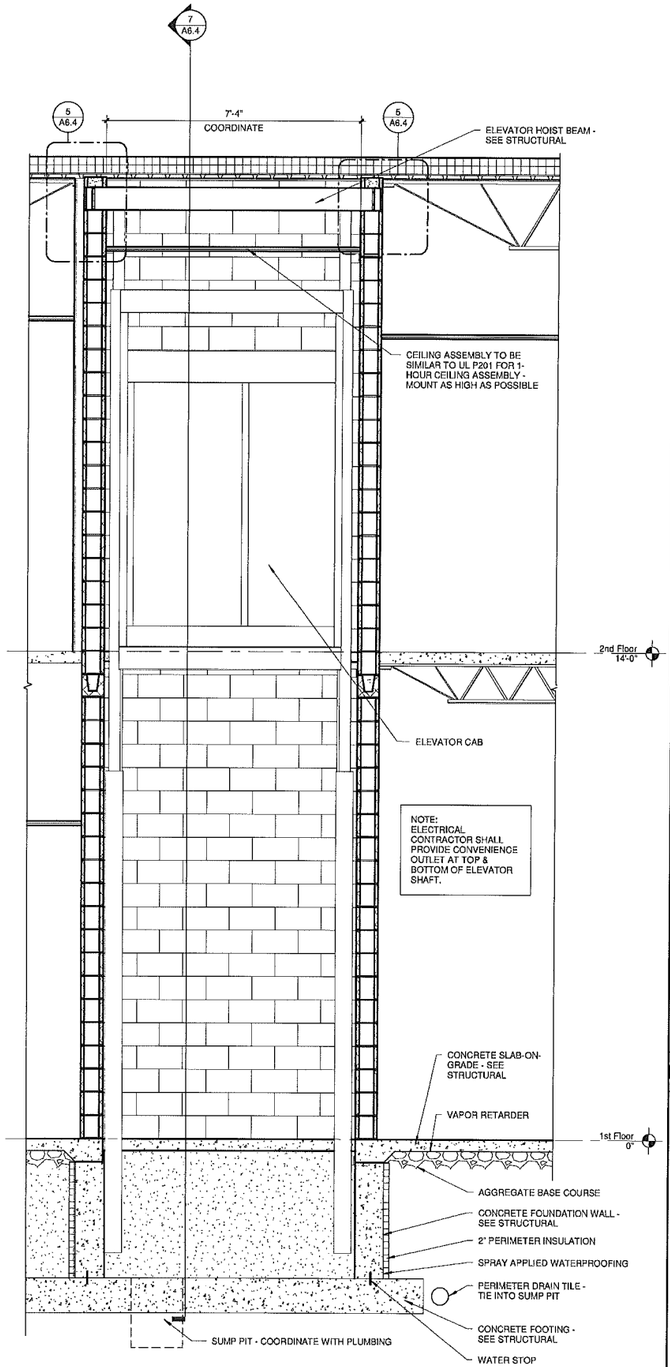
Project No.: 0111316.00

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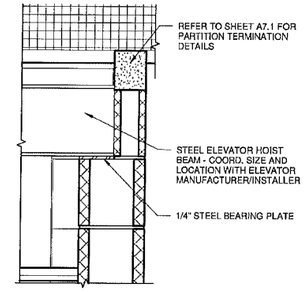
7 Elevator Section - Transverse

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



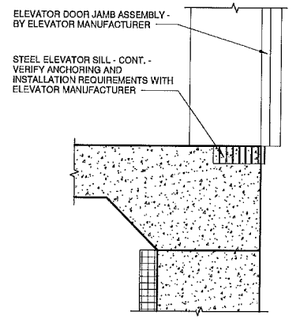
6 Elevator Detail - Longitudinal

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



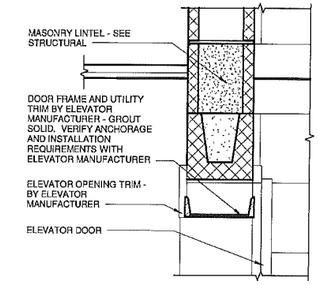
5 Elevator Hoist Beam Detail

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



4 Elevator Sill Detail

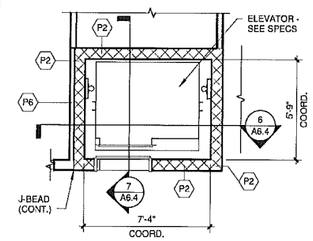
Scale: 1 1/2" = 1'-0"



3 Elevator Head Detail

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

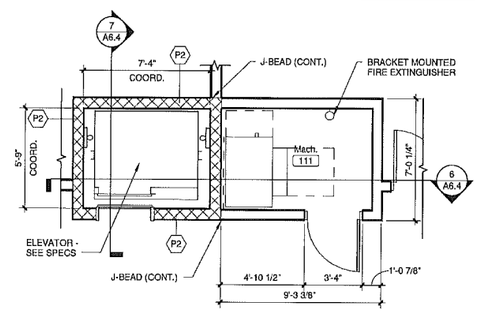
NOTE:
MASON TO COORDINATE HOISTWAY DIMENSIONS WITH ELEVATOR MANUFACTURER



2 Enlarged Second Floor Plan - Elevator

Scale: 1/4" = 1'-0"

NOTE:
MASON TO COORDINATE HOISTWAY DIMENSIONS WITH ELEVATOR MANUFACTURER



1 Enlarged First Floor Plan - Elevator

Scale: 1/4" = 1'-0"

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SHEET TITLE:

Enlarged Elevator Plans & Details

SHEET NUMBER

A6.4

Project No.: 0111316.00

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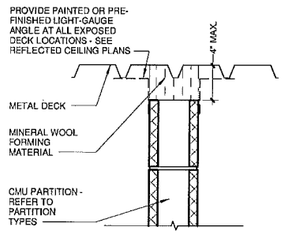
REMARKS:

1. RESILIENT BASE TO BE INSTALLED AT GYPSUM BOARD LOCATIONS - EXTEND TO ADJACENT WALL CONSTRUCTION.
2. CEILING TO BE MOUNTED AS HIGH AS POSSIBLE.
3. PAINT ALL EXPOSED CEILING STRUCTURE, EQUIPMENT, ETC.
4. PAINT ALL STEEL FLOOR GRATING.

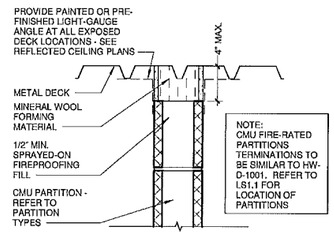
SCHEDULE LEGEND:
STC - STAINED CONCRETE
ALC - ALUMINUM CURTAIN WALL
PF - PREFINISHED
PNT - PAINT
E/S - EXPOSED STRUCTURE
PCC-PRECAST CONCRETE
SC - SEALED CONCRETE
NF - NO FINISH
STL - STEEL (SEE STRUCTURAL)
RAF - RESILIENT ATHLETIC FLOORING
GLZ - GLAZED CURTAIN WALL

Room Finish Schedule

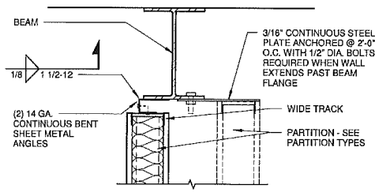
ROOM NO.	NAME	FLOOR	BASE	WALLS NORTH MAT'L	WALLS NORTH FIN	WALLS EAST MAT'L	WALLS EAST FIN	WALLS SOUTH MAT'L	WALLS SOUTH FIN	WALLS WEST MAT'L	WALLS WEST FIN	CEILING MAT'L	CEILING FIN	REMARKS
1st Floor														
101	Vestibule	STC	-	ALC	PF	ALC	PF	ALC	PF	ALC	PF	E/S	PNT	3
102	Reception	STC	RES	PCC	PNT	ALC	PF	CMU/GYP	PNT	CMU/GYP	PNT	E/S/ACT	PNT/PF	1,3
103	Indoor Play	STC	RES	PCC/CMU	PNT	ALC	PF	PCC	PNT	GYP	PNT	E/S/ACT	PNT/PF	1,2,3
104	Kids Restroom	STC	RES	PYP	PNT	GYP	PNT	GYP	PNT	GYP	PNT	ACT	PF	
105	Storage	SC	RES	GYP	PNT	GYP	PNT	PCC	PNT	GYP	PNT	ACT	PF	1
106	Janitor	SC	RES	GYP	PNT	GYP	PNT	PCC	PNT	GYP	PNT	E/S	NF	
107	Fitness Room	RAF	RES	GYP	PNT	GYP	PNT	PCC	PNT	GYP	PNT	ACT	PNT	1,2
108	Electrical	SC	-	GYP	PNT	GYP	PNT	PCC	NF	PCC	NF	E/S	NF	
109	Women	STC	RES	CMU	PNT	CMU/GYP	PNT	GYP	PNT	GYP	PNT	ACT	PF	1
110	Men	STC	RES	PCC	PNT	GYP	PNT	CMU	PNT	GYP	PNT	ACT	PF	1
111	Mech.	SC	-	GYP	PNT	GYP	PNT	CMU	PNT	GYP	PNT	E/S	NF	
112	Office	STC	RES	CMU	PNT	GYP	PNT	GYP	PNT	GYP	PNT	ACT	PF	1
113	Mechanical	SC	-	CMU	PNT	GYP	PNT	PCC	PNT	PCC	PNT	E/S	NF	
114	Gymnasium	WD	STL	CMU	PNT	PCC	PNT	CMU	PNT	PCC	PNT	E/S	PNT	3
115	Storage	SC	-	PCC	PNT	PCC	PNT	CMU	PNT	CMU	PNT	E/S	NF	
116	Storage	SC	-	PCC	PNT	CMU	PNT	CMU	PNT	PCC	PNT	E/S	NF	
117	Manager	STC	RES	CMU	PNT	ALC	PF	GYP	PNT	GYP	PNT	ACT	PF	
118	Mechanical	SC	-	PCC	PNT	GYP	PNT	CMU	PNT	PCC	PNT	E/S	NF	1
119	IT	SC	-	CMU	PNT	GYP	PNT	GYP	PNT	GYP	PNT	E/S	NF	
120	Mech.	STC	RES	CMU	PNT	GYP	PNT	GYP	PNT	GYP	PNT	ACT	PF	
121	Stor.	STC	RES	GYP	PNT	GYP	PNT	GYP	PNT	GYP	PNT	ACT	PF	
123	Mechanical	SC	-	PCC	PNT	PCC	PNT	PCC	PNT	PCC	PNT	E/S	PNT	3
S101	Stair	SC	-	PCC	PNT	PCC	PNT	PCC	PNT	PCC	PNT	E/S	PNT	1,3
2nd Floor														
201	Lounge	STC	RES	PCC	PNT	PCC/GLZ	PNT/PF	CMU	PNT	CMU/GYP	PNT	E/S/ACT	PNT/PF	1,3
202	Fitness Room	RAF	RES	CMU	PNT	PCC	PNT	PCC	PNT	GYP	PNT	ACT	PF	1,2
203	Storage	SC	RES	GYP	PNT	GYP	PNT	PCC	PNT	GYP	PNT	ACT	PF	1,3
204	Fitness Room	RAF	RES	CMU/GYP	PNT	GYP	PNT	PCC	PNT	PCC	PNT	ACT	PF	1,2
205	Fitness Room	RAF	RES	PCC	PNT	GYP	PNT	CMU/GYP	PNT	PCC	PN	ACT	PF	2
206	Track	RAF	-	PCC	PNT	PCC	PNT	PCC	PNT	PCC	PNT	E/S	PNT	3
207	Mech.	SC	RES	PCC	PNT	GYP	PNT	GYP	PNT	GYP	PNT	E/S	PNT	3
208	Mechanical	STL	-	PCC	PNT	PCC	PNT	PCC	PNT	PCC	PNT	E/S	PNT	3,4
209	Toilet	STC	RES	GYP	PNT	GYP	PNT	GYP	PNT	GYP	PNT	ACT	PF	
210	Stor.	STC	RES	GYP	PNT	GYP	PNT	GYP	PNT	GYP	PNT	ACT	PF	
S201	Stair	SC	-	PCC	PNT	PCC	PNT	PCC	PNT	PCC	PNT	E/S	PNT	3



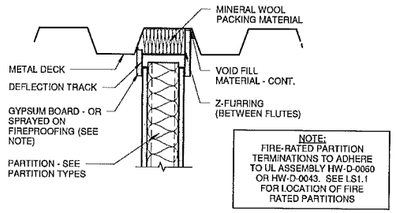
TYPICAL NON FIRE-RATED CMU PARTITION TERMINATION DETAIL



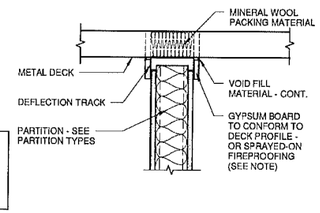
TYPICAL FIRE-RATED CMU PARTITION TERMINATION DETAIL



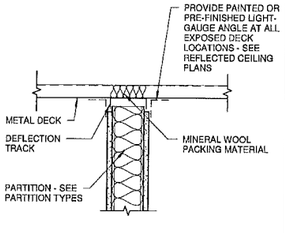
NON-FIRE-RATED PARTITION TERMINATION DETAIL @ BEAM



TYPICAL FIRE-RATED PARTITION TERMINATION DETAIL (PARALLEL TO DECK FLUTES)



TYPICAL FIRE-RATED PARTITION TERMINATION DETAIL (PERPENDICULAR TO DECK FLUTES)



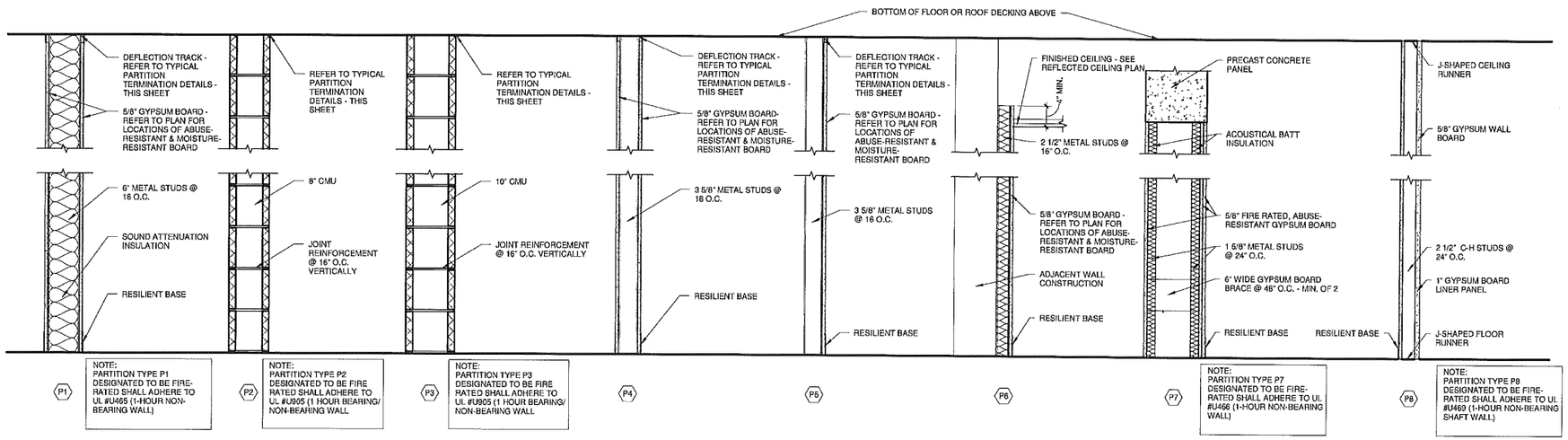
TYPICAL NON FIRE-RATED PARTITION TERMINATION DETAIL (PERPENDICULAR TO DECK FLUTES)

Partition Terimination Detail

Scale: No Scale

Partition Types

Scale: No Scale



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ISSUE

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

Bid Set

FACILITY:
Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	CJ/KR/SCB
Reviewed:	SCB
Book No.:	-

SHEET TITLE:

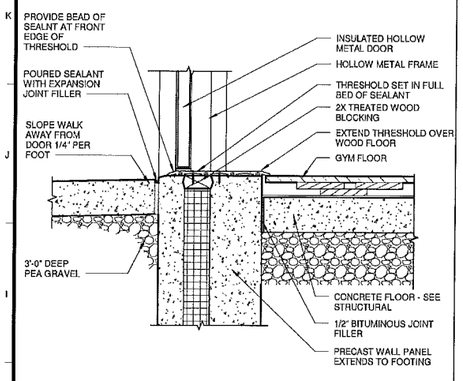
Room Finish Schedule & Partition Details

SHEET NUMBER

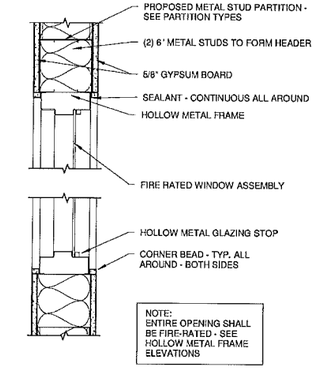
A7.1

Project No.: 0111316.00

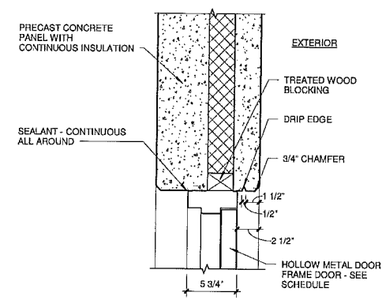
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P:\2011\0111316.00-Leonhard Recreation Center\Arch\0111316.00_CA Leonhard Recreation Center.rvt



11 Door Threshold Detail - Gym
Scale: 1 1/2" = 1'-0"



8 Window Detail - HM Head/Sill
Scale: 1 1/2" = 1'-0"



5 Door Head Detail - Precast Concrete
Scale: 1 1/2" = 1'-0"

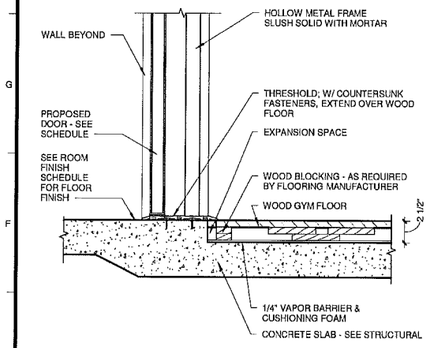
GENERAL NOTES:
1. ALL EXTERIOR HOLLOW METAL DOORS SHALL BE INSULATED.
2. FOR DOOR HARDWARE, REFER TO SPECIFICATION SECTION 087100 - DOOR HARDWARE.
3. FOR WOOD DOOR COLOR & HOLLOW METAL PAINT COLOR, REFER TO INTERIOR FINISHES.

REMARKS:
1. REFER TO SHEET A7.3 FOR ALUMINUM FRAME ELEVATIONS.
2. GLAZING SHALL BE INSULATED GLASS - SEE SPECS.

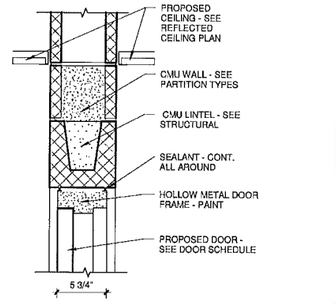
SCHEDULE LEGEND:
ALUM - ALUMINUM
HM - HOLLOW METAL
PF - PREFINISHED
PNT - PAINT

Door Schedule

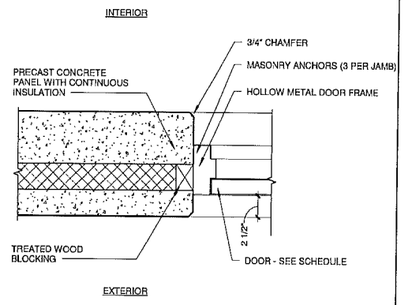
NO.	DOOR WIDTH	DOOR HEIGHT	DOOR THICK	DOOR MAT'L	DOOR FINISH	DOOR ELEV	FRAME MAT'L	FRAME FINISH	FRAME ELEV	HEAD DETAIL NO.	JAMB DETAIL NO.	THRESH. DETAIL NO.	LBL	Hardware Set	REMARKS
1st Floor															
101-1	6'-0"	7'-9 1/2"	1 3/4"	ALUM	PF	C	ALUM	PF	-	-	-	1/A7.4		X04	1,2
101-2	6'-0"	7'-9 1/2"	1 3/4"	ALUM	PF	C	ALUM	PF	-	-	-	1/A7.4		K04	1
103-1	3'-0"	7'-0"	1 3/4"	WD	PF	C	HM	PNT	HM-7	2/A7.2	1/A7.2	-	-	C03-R	
103-2	3'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	5/A7.2	4/A7.2	3/A7.2	-	C03-E	
104-1	3'-0"	7'-0"	1 3/4"	WD	PF	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	T01	
105-1	3'-0"	7'-0"	1 3/4"	WD	PF	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	S01	
105-2	3'-0"	7'-0"	1 3/4"	WD	PF	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	S01	
106-1	3'-0"	7'-0"	1 3/4"	WD	PF	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	S02-R	
107-1	3'-0"	7'-0"	1 3/4"	WD	PF	C	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	C03-R	
107-2	3'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	5/A7.2	4/A7.2	3/A7.2	-	C03-E	
108-1	6'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	X04-R	
109-1	3'-0"	7'-0"	1 3/4"	WD	PF	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	P02-R	
110-1	3'-0"	7'-0"	1 3/4"	WD	PF	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	P02-R	
111-1	3'-0"	7'-0"	1 3/4"	WD	PF	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	0.75	S03-R	
112-1	3'-0"	7'-0"	1 3/4"	WD	PF	B	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	E02-S	
113-1	6'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-2	7/A7.2	6/A7.2	10/A7.2	-	S04-S	
113-2	6'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	5/A7.2	4/A7.2	3/A7.2	-	S04-E	
114-1	6'-0"	7'-0"	1 3/4"	HM	PNT	D	HM	PNT	HM-3	7/A7.2	6/A7.2	10/A7.2	-	X03-R	
114-2	6'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	5/A7.2	4/A7.2	11/A7.2	-	X05	
114-3	6'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	5/A7.2	4/A7.2	11/A7.2	-	X05	
114-4	6'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	5/A7.2	4/A7.2	11/A7.2	-	X05	
115-1	6'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-2	7/A7.2	6/A7.2	10/A7.2	-	S04-S	
116-1	6'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-2	7/A7.2	6/A7.2	10/A7.2	-	S04-S	
117-1	3'-0"	7'-0"	1 3/4"	WD	PF	B	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	E02-R	
118-1	6'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	5/A7.2	4/A7.2	3/A7.2	-	X05-R	
119-1	3'-6"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	S03	
120-1	2'-8"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	S01-R	
121-1	2'-8"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	S01-R	
123-1	6'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	5/A7.2	4/A7.2	11/A7.2	-	S04-E	
123-2	6'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	5/A7.2	4/A7.2	10/A7.2	-	S04-S	
S101-1	3'-0"	7'-0"	1 3/4"	HM	PNT	B	HM	PNT	HM-1	5/A7.2	4/A7.2	10/A7.2	1.00	X02-R	
S101-2	3'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	5/A7.2	4/A7.2	3/A7.2	-	X01	
2nd Floor															
202-1	3'-0"	7'-0"	1 3/4"	WD	PF	C	HM	PNT	HM-5	2/A7.2	1/A7.2	-	-	C03-R	
203-1	6'-0"	7'-0"	1 3/4"	WD	PF	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	S04	
203-2	6'-0"	7'-0"	1 3/4"	WD	PF	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	S04	
204-1	3'-0"	7'-0"	1 3/4"	WD	PF	C	HM	PNT	HM-5	2/A7.2	1/A7.2	-	-	C03-R	
205-1	3'-0"	7'-0"	1 3/4"	WD	PF	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	C03	
205-2	3'-0"	7'-0"	1 3/4"	WD	PF	C	HM	PNT	HM-4	2/A7.2	1/A7.2	-	-	C03-R	
205-3	3'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	5/A7.2	4/A7.2	14/A7.4	-	C03-S	
206-1	6'-0"	7'-0"	1 3/4"	HM	PNT	D	HM	PNT	HM-3	5/A7.2	1/A7.2	-	-	X03-R	
207-1	3'-0"	7'-0"	1 3/4"	WD	PF	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	S02	
208-1	6'-0"	7'-0"	1 3/4"	HM	PNT	A	HM	PNT	HM-1	5/A7.2	4/A7.2	13/A7.4	-	S04-S	
209-1	3'-0"	7'-0"	1 3/4"	WD	PF	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	T02	
210-1	6'-0"	7'-0"	1 3/4"	WD	PF	A	HM	PNT	HM-1	2/A7.2	1/A7.2	-	-	S04	
S201-1	3'-0"	7'-0"	1 3/4"	HM	PNT	B	HM	PNT	HM-1	5/A7.2	4/A7.2	13/A7.4	1.00	X02-R	



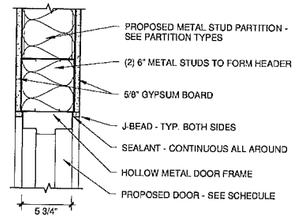
10 Floor Detail - Threshold
Scale: 1 1/2" = 1'-0"



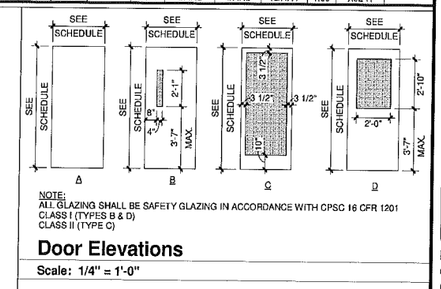
7 Door Head Detail - Masonry Wall
Scale: 1 1/2" = 1'-0"



4 Door Jamb Detail - Precast Concrete
Scale: 1 1/2" = 1'-0"

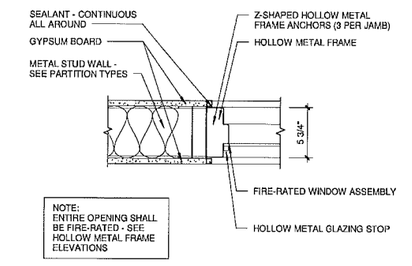


2 Door Head Detail
Scale: 1 1/2" = 1'-0"

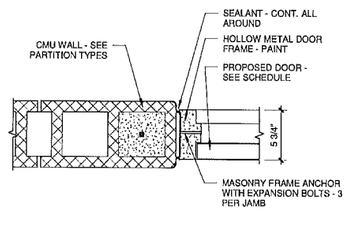


Door Elevations
Scale: 1/4" = 1'-0"

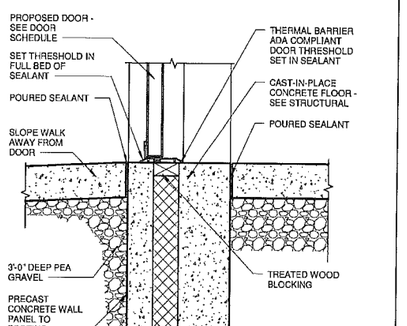
10 Floor Detail - Threshold
Scale: 1 1/2" = 1'-0"



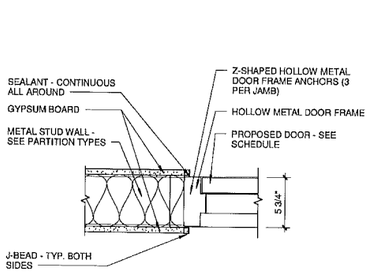
9 Window Detail - HM Jamb
Scale: 1 1/2" = 1'-0"



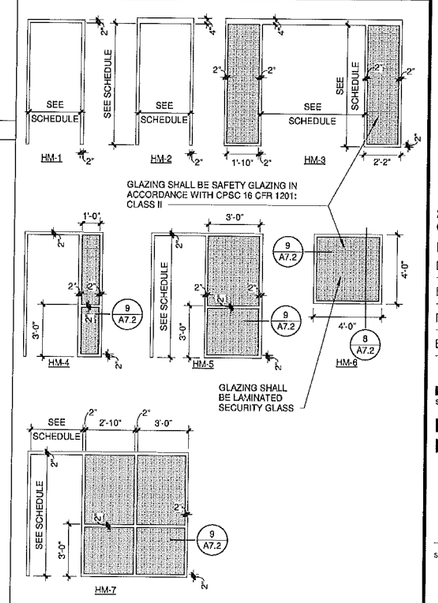
6 Door Jamb Detail - Masonry Wall
Scale: 1 1/2" = 1'-0"



3 Door Threshold Detail
Scale: 1 1/2" = 1'-0"



1 Door Jamb Detail
Scale: 1 1/2" = 1'-0"



Hollow Metal Frame Elevations
Scale: 1/4" = 1'-0"

ENGINEERS
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www.f-w.com

ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

Bid Set

PROJECT
Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

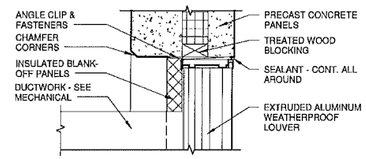
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Design/Drawn:	CJ/KR/SCB
Reviewed:	SCB
Book No.:	-

SHEET TITLE
Door Schedule & Details

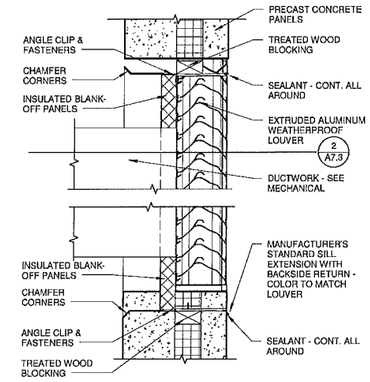
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A7.2

Project No.: 0111316.00

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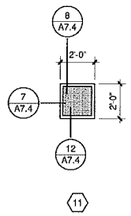


2 Louver Detail - Jamb
Scale: 1 1/2" = 1'-0"



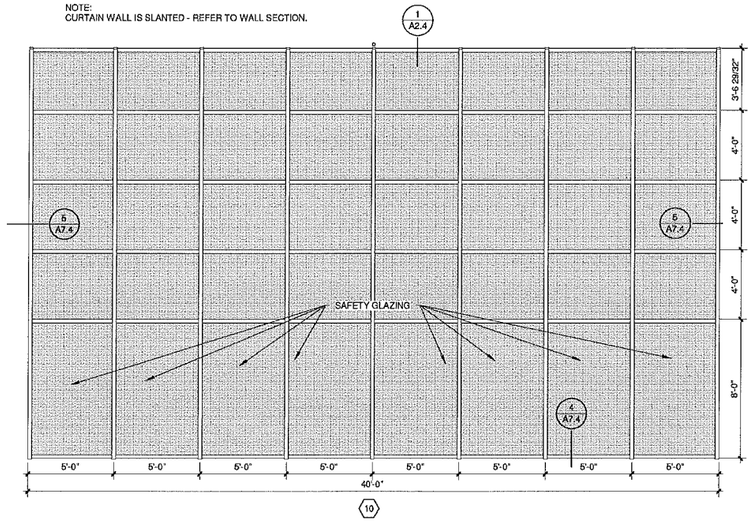
1 Louver Detail - Head-Sill
Scale: 1 1/2" = 1'-0"

NOTE:
ALL GLAZING NOTED AS 'SAFETY GLAZING' SHALL BE SAFETY GLAZING IN ACCORDANCE WITH CPSC 16 CFR 1201 CLASS II

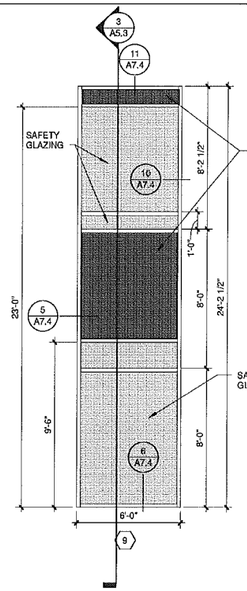


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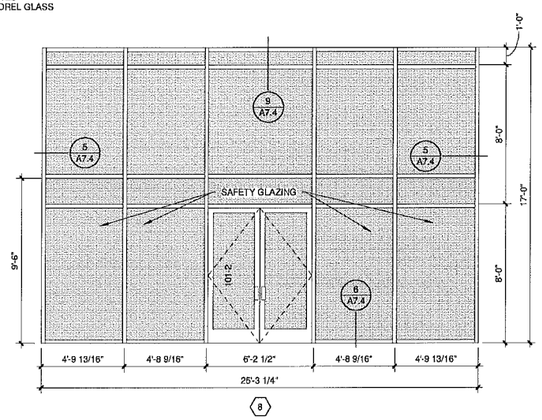
NOTE:
CURTAIN WALL IS SLANTED - REFER TO WALL SECTION.



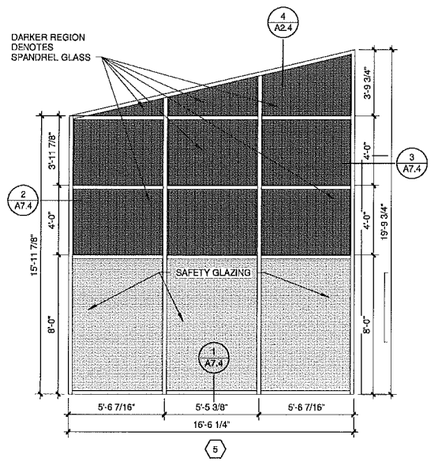
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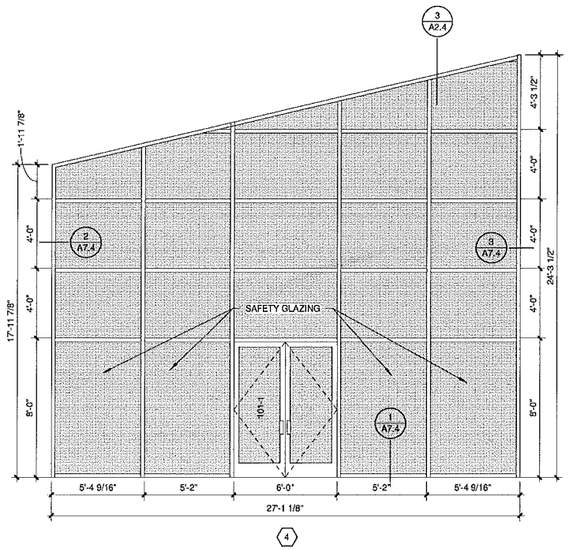
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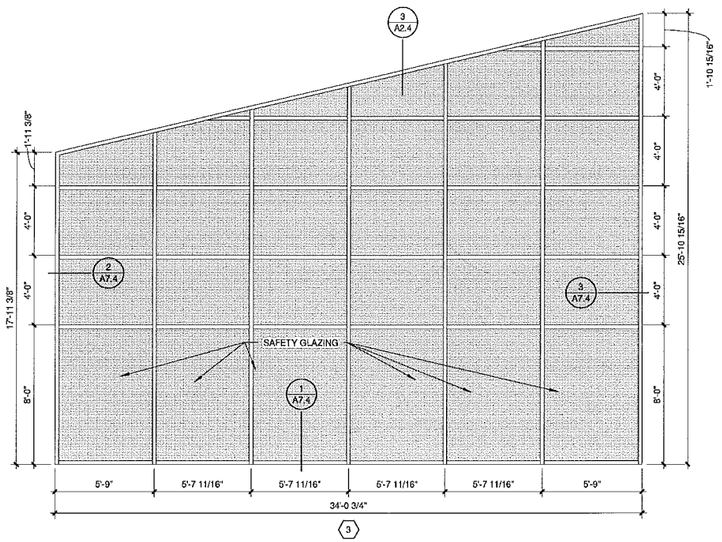
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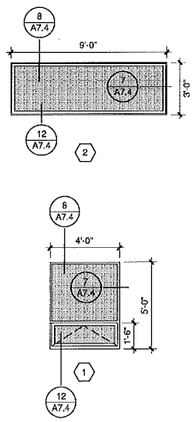
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4



3



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ARCHITECTS
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ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

Bid Set

PROJECT:
Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	CJ/KR/SCB
Reviewed:	SCB
Book No.:	-

SHEET TITLE:

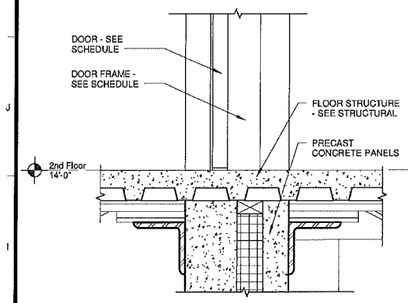
Aluminum Framed Opening Details

SHEET NUMBER

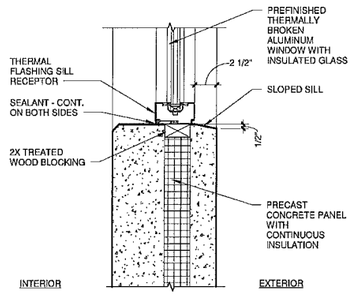
A7.3

Project No.: 0111316.00

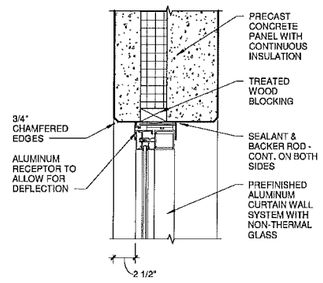
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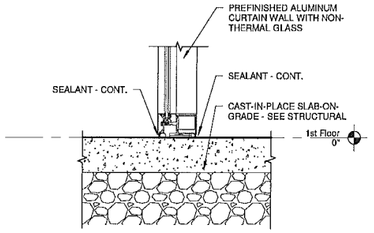
13 **Door Detail - 205-3**
Scale: 1 1/2" = 1'-0"



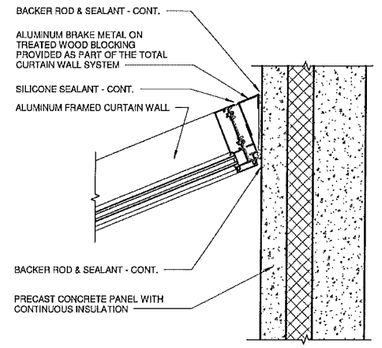
12 **Aluminum Window Detail - Sill**
Scale: 1 1/2" = 1'-0"



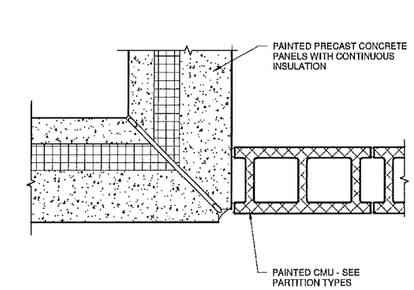
9 **Interior Curtain Wall Detail - Head**
Scale: 1 1/2" = 1'-0"



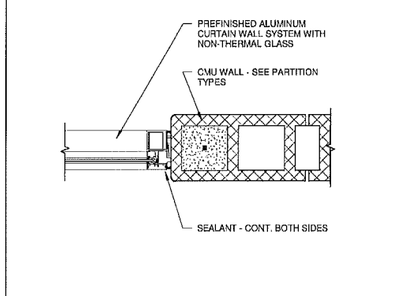
6 **Interior Curtain Wall Detail - Sill**
Scale: 1 1/2" = 1'-0"



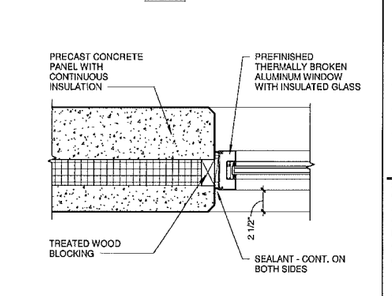
3 **Curtain Wall Detail - Front Entry Jamb**
Scale: 1 1/2" = 1'-0"



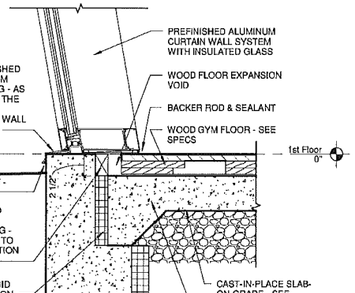
14 **Door Detail - 2nd Floor**
Scale: 1 1/2" = 1'-0"



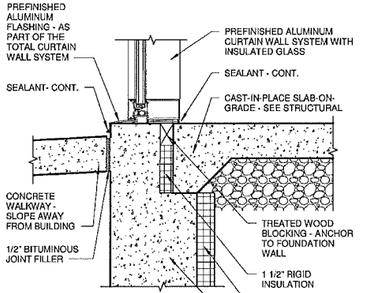
11 **Interior Curtain Wall Detail - Head**
Scale: 1 1/2" = 1'-0"



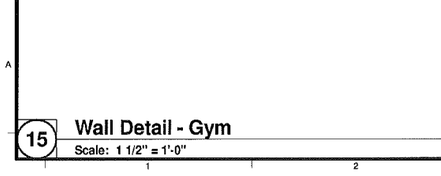
8 **Aluminum Window Detail - Head**
Scale: 1 1/2" = 1'-0"



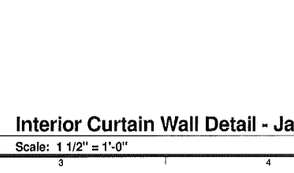
5 **Curtain Wall Detail - Gym Jamb**
Scale: 1 1/2" = 1'-0"



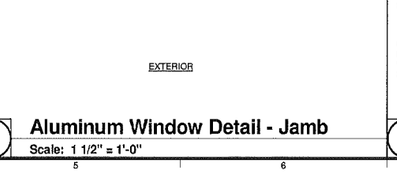
2 **Curtain Wall Detail - Front Entry Jamb**
Scale: 1 1/2" = 1'-0"



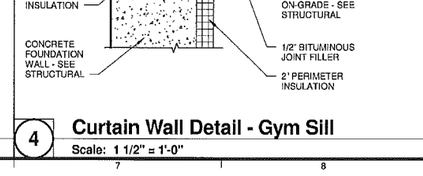
15 **Wall Detail - Gym**
Scale: 1 1/2" = 1'-0"



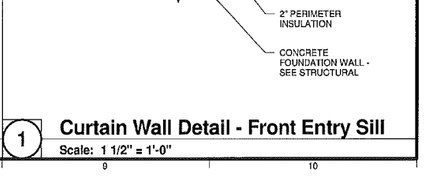
10 **Interior Curtain Wall Detail - Jamb**
Scale: 1 1/2" = 1'-0"



7 **Aluminum Window Detail - Jamb**
Scale: 1 1/2" = 1'-0"



4 **Curtain Wall Detail - Gym Sill**
Scale: 1 1/2" = 1'-0"



1 **Curtain Wall Detail - Front Entry Sill**
Scale: 1 1/2" = 1'-0"

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ISSUE

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CHAMPAIGN PARK DISTRICT

Bid Set

PROJECT
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Date:	05/01/13
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SHEET TITLE.

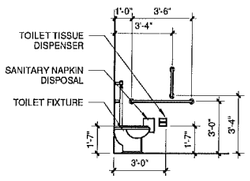
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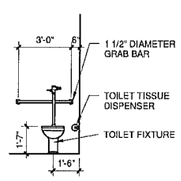
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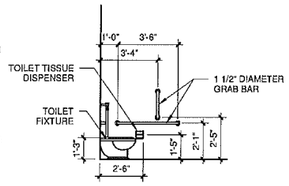
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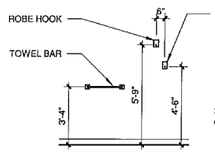
ACCESSIBLE TOILET



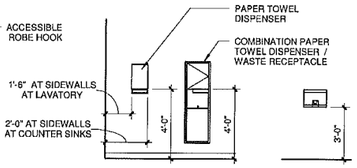
ACCESSIBLE TOILET



ACCESSIBLE K-3 TOILET

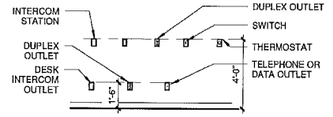


TOILET ACCESSORIES

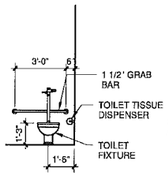


PAPER TOWEL DISPENSERS

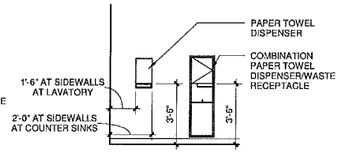
HAND DRYER



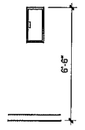
MISCELLANEOUS WALL DEVICES



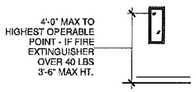
ACCESSIBLE K-3 TOILET



STUDENT HEIGHT PAPER TOWEL DISPENSERS



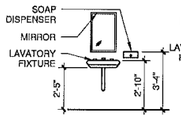
ELECTRICAL CABINET



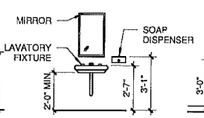
FIRE EXTINGUISHER CABINET



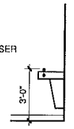
STANDARD URINAL



ACCESSIBLE LAVATORY



ACCESSIBLE STUDENT LAVATORY



DRINKING FOUNTAIN



SANITARY NAPKIN VENDOR

General Notes:

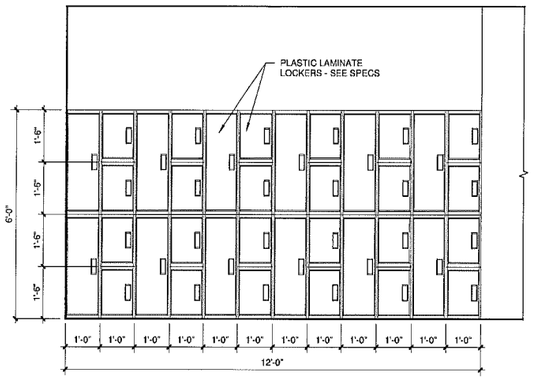
1. FIXTURES SHOWN ARE FOR REFERENCE ONLY AND ARE NOT PROJECT SPECIFIC. SEE PLUMBING DRAWINGS AND SCHEDULES FOR FIXTURE TYPES.
2. MOUNTING HEIGHTS ARE TO BE COMPLIANT WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) - 1999, ADAAG; ICC/ANSI A117.1-2009 BUILDING ELEMENTS DESIGNED FOR CHILDRENS USE - 1998, AND THE ILLINOIS ACCESSIBILTY CODE - 1997.

Toilet Accessory Schedule

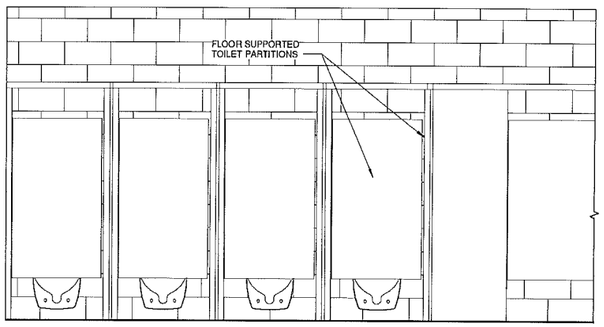
T1	GRAB BAR (42" LONG)
T2	GRAB BAR (36" LONG)
T3	GRAB BAR (18" LONG)
T4	TOILET TISSUE DISPENSER
T5	SANITARY NAPKIN DISPOSAL
T6	TOILET (SEE PLUMBING)
T7	LAVATORY (SEE PLUMBING)
T8	SOAP DISPENSER
T10	MIRROR
T11	UNDERLAVATORY GUARD
T12	URINAL (SEE PLUMBING)
T13	PAPER TOWEL DISPENSER

Standard Mounting Heights

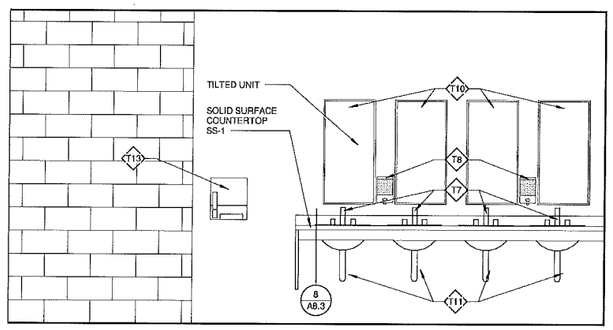
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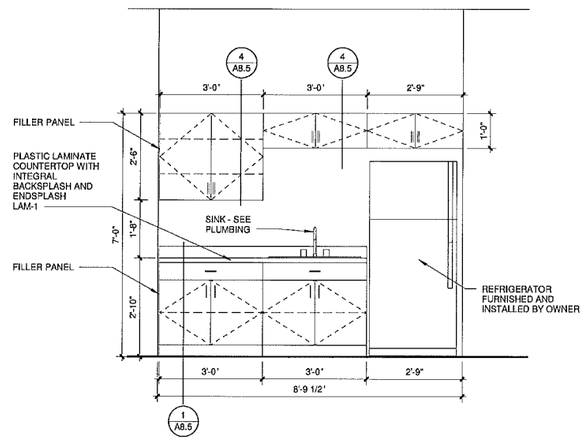
5 **Interior Elevation - Lockers**
Scale: 1/2" = 1'-0"



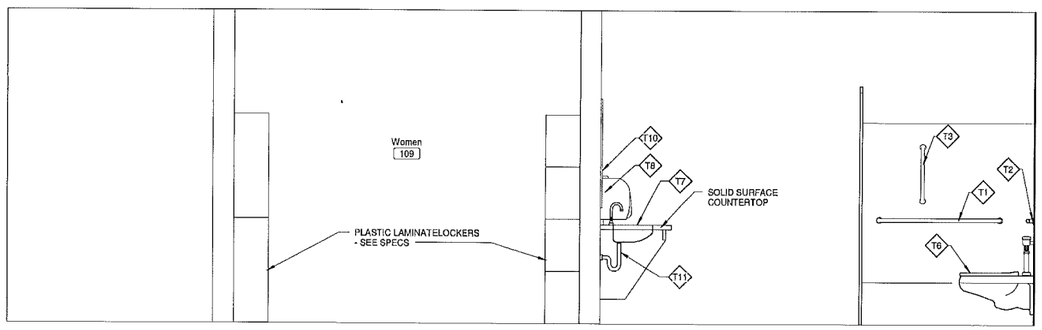
4 **Interior Elevation - Women 109**
Scale: 1/2" = 1'-0"



3 **Interior Elevation - Women 109**
Scale: 1/2" = 1'-0"



2 **Interior Elevation - Classroom**
Scale: 1/2" = 1'-0"



1 **Interior Elevation - Women 109**
Scale: 1/2" = 1'-0"

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ISSUE: #	Date:	Description:

CHAMPAIGN PARK DISTRICT

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Patricia H. Leonhard Recreation Center

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Champaign, IL 61821

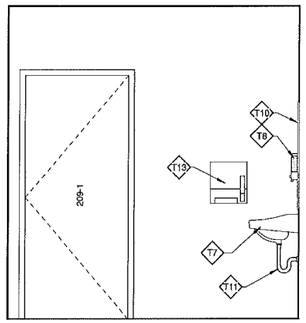
Date:	05/01/13
Design/Drawn:	CJ/KR/SCB
Reviewed:	SCB
Book No.:	-

SHEET TITLE:
Interior Elevations

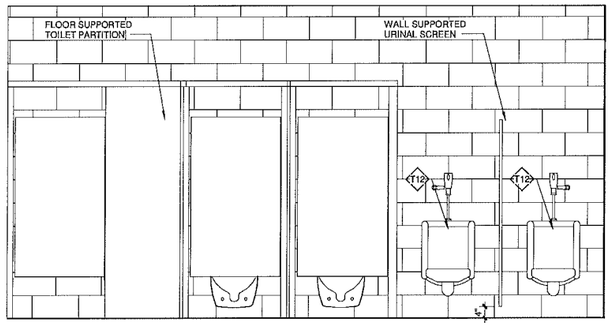
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Project No.: 0111316.00

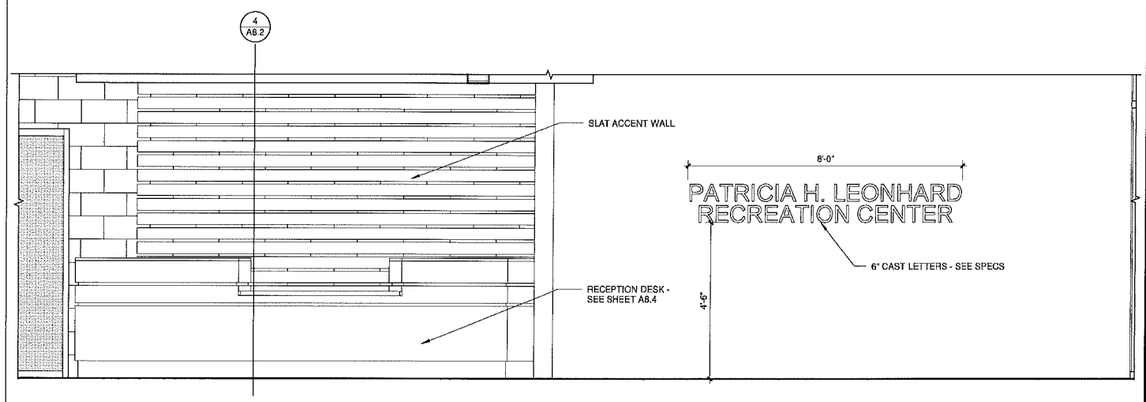
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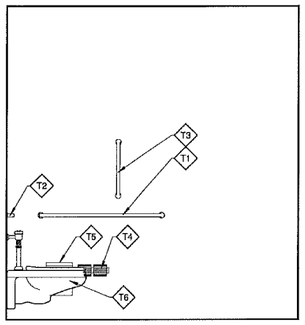
8 **Interior Elevation - Toilet 209**
Scale: 1/2" = 1'-0"



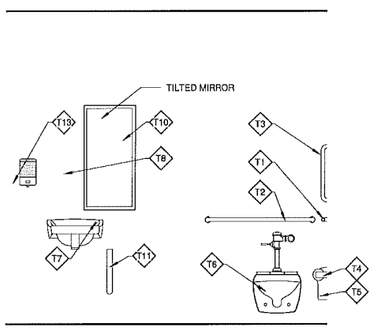
5 **Interior Elevation - Men 110**
Scale: 1/2" = 1'-0"



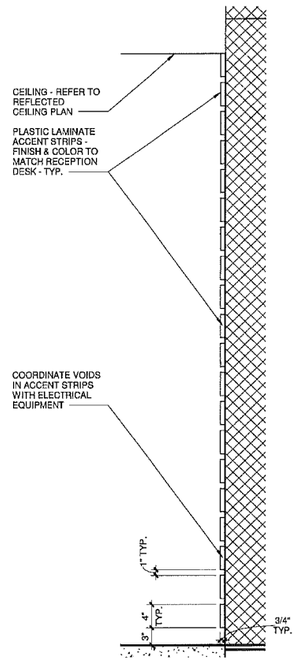
3 **Interior Elevation - Main Entry**
Scale: 1/2" = 1'-0"



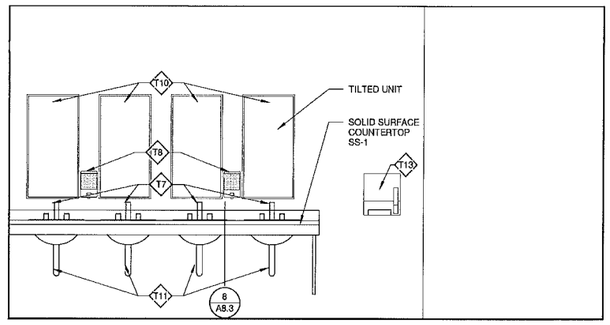
7 **Interior Elevation - Toilet 209**
Scale: 1/2" = 1'-0"



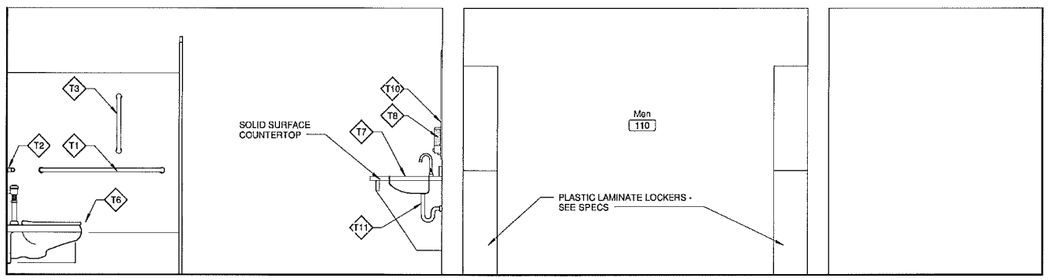
6 **Interior Elevation - Toilet 209**
Scale: 1/2" = 1'-0"



4 **Slat Wall Section**
Scale: 1" = 1'-0"



2 **Interior Elevation - Men 110**
Scale: 1/2" = 1'-0"



1 **Interior Elevation - Men 110**
Scale: 1/2" = 1'-0"

Toilet Accessory Schedule

T1	GRAB BAR (42" LONG)
T2	GRAB BAR (36" LONG)
T3	GRAB BAR (18" LONG)
T4	TOILET TISSUE DISPENSER
T5	SANITARY NAPKIN DISPOSAL
T6	TOILET (SEE PLUMBING)
T7	LAVATORY (SEE PLUMBING)
T8	SOAP DISPENSER
T10	MIRROR
T11	UNDERLAVATORY GUARD
T12	URINAL (SEE PLUMBING)
T13	PAPER TOWEL DISPENSER

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CHAMPAIGN PARK DISTRICT

Bid Set

PROJECT:
Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	CJ/KR/SCB
Reviewed:	SCB
Book No.:	-

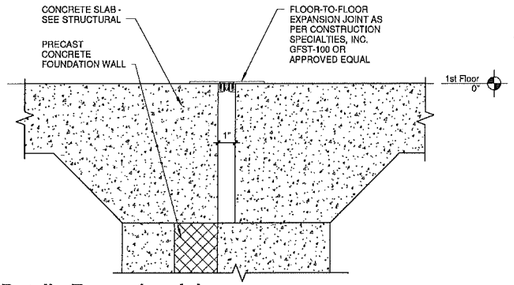
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Interior Elevations

SHEET NUMBER:
A8.2

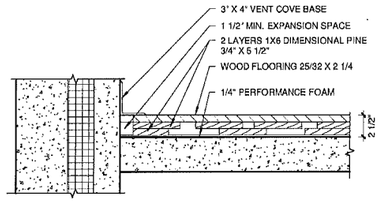
Project No.: 0111316.00

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PLOTTED BY: Chris Jones

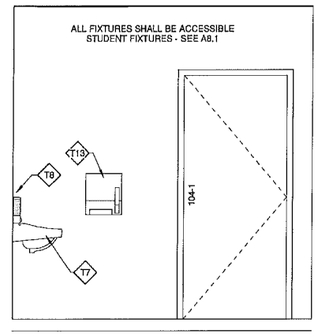
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T1	GRAB BAR (42" LONG)
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T7	LAVATORY (SEE PLUMBING)
T9	SOAP DISPENSER
T10	MIRROR
T11	UNDERLAVATORY GUARD
T12	URINAL (SEE PLUMBING)
T13	PAPER TOWEL DISPENSER



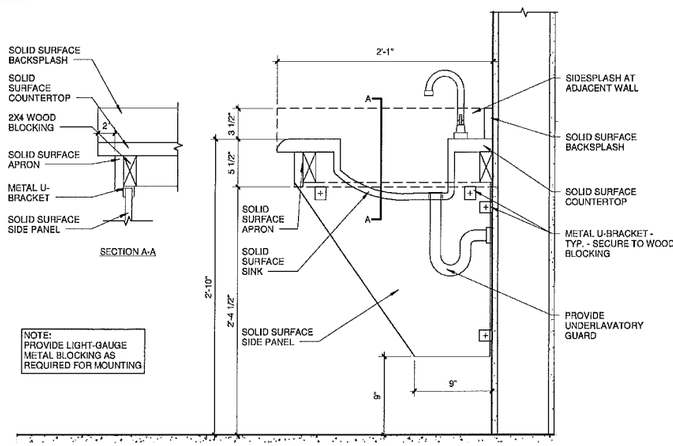
9 Interior Detail - Expansion Joint
Scale: 3" = 1'-0"



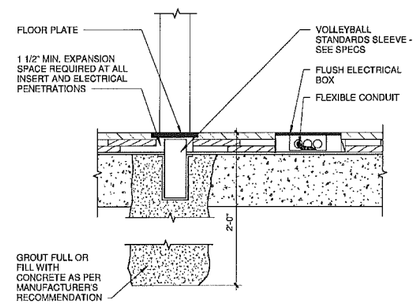
6 Floor Detail - Gym
Scale: 1 1/2" = 1'-0"



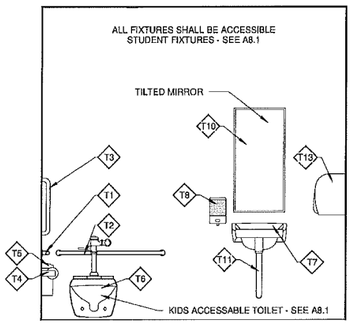
3 Interior Elevation - Kid's Restroom
Scale: 1/2" = 1'-0"



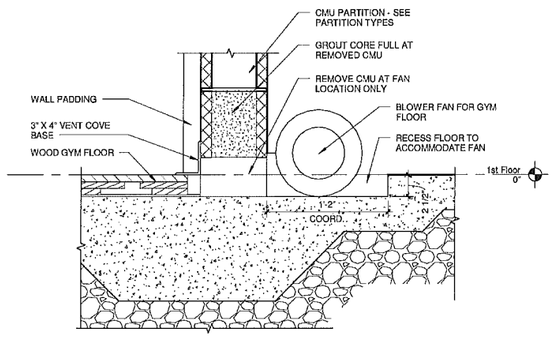
8 Vanity Detail
Scale: 1 1/2" = 1'-0"



5 Floor Detail - Gym Volleyball Standards
Scale: 1 1/2" = 1'-0"

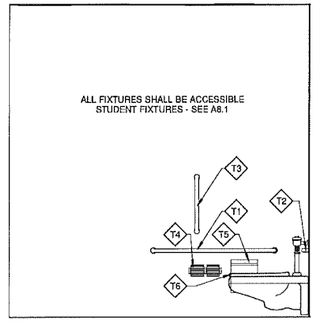


2 Interior Elevation - Kid's Restroom
Scale: 1/2" = 1'-0"



7 Floor Detail - Gym Floor Ventilation
Scale: 1 1/2" = 1'-0"

4 Interior Elevation - Kid's Restroom
Scale: 1/2" = 1'-0"



1 Interior Elevation - Kid's Restroom
Scale: 1/2" = 1'-0"

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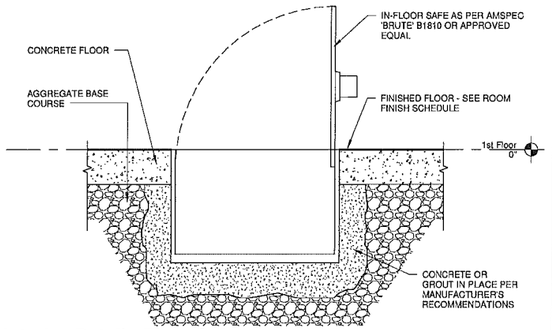
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Reviewed:	SCB
Book No.:	-

SHEET TITLE:
Interior Elevations

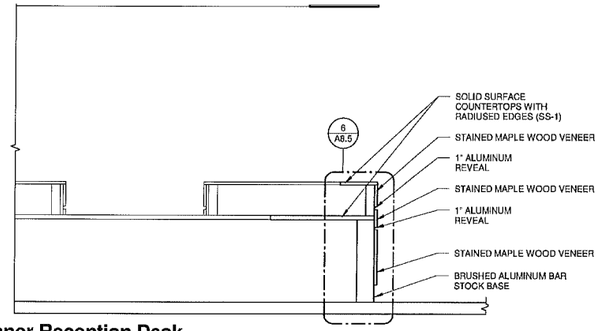
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A8.3

Project No.: 0111316.00

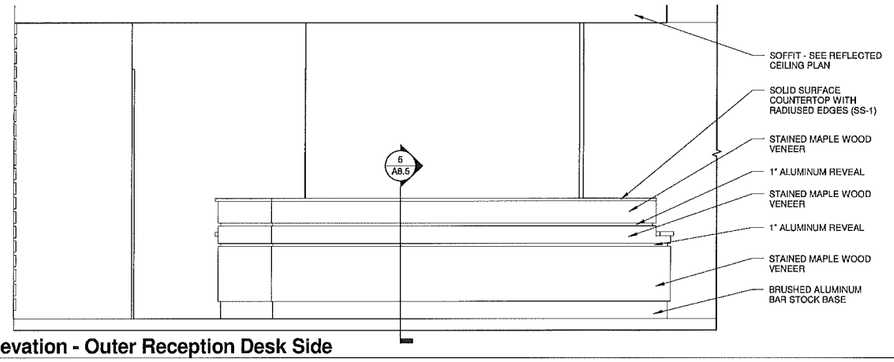
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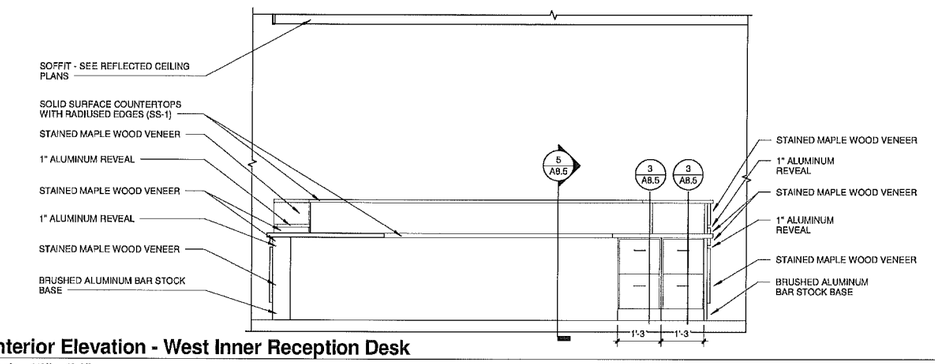
7 Interior Detail - Floor Safe
Scale: 1 1/2" = 1'-0"



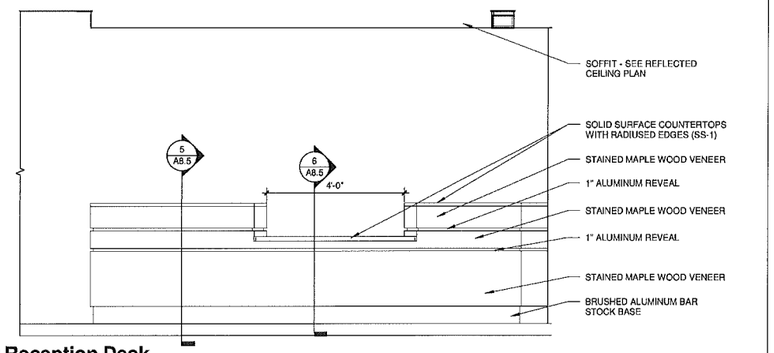
3 Interior Elevation - South Inner Reception Desk
Scale: 1/2" = 1'-0"



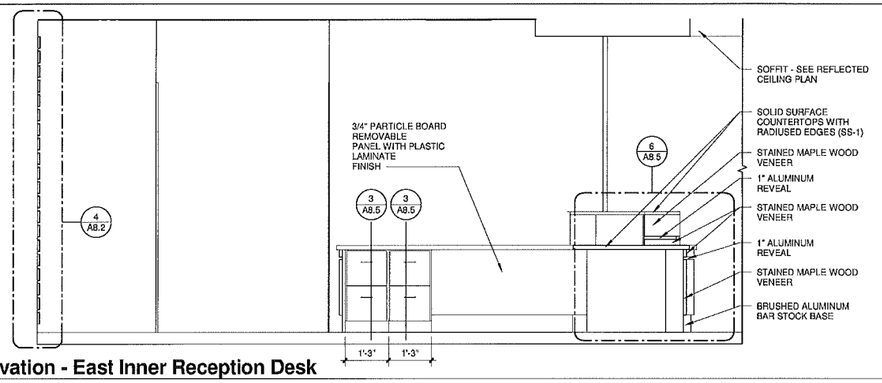
6 Interior Elevation - Outer Reception Desk Side
Scale: 1/2" = 1'-0"



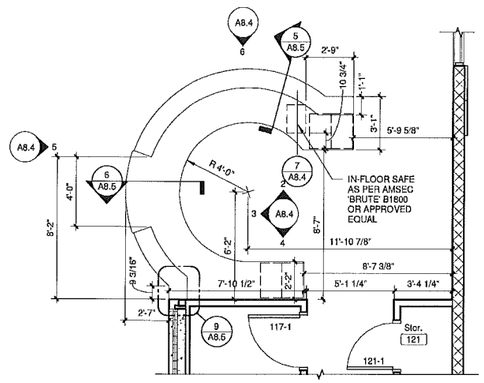
2 Interior Elevation - West Inner Reception Desk
Scale: 1/2" = 1'-0"



5 Interior Elevation - Outer Reception Desk
Scale: 1/2" = 1'-0"



4 Interior Elevation - East Inner Reception Desk
Scale: 1/2" = 1'-0"



1 Interior Elevation - Reception Desk
Scale: 1/4" = 1'-0"

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Champaign, IL 61821

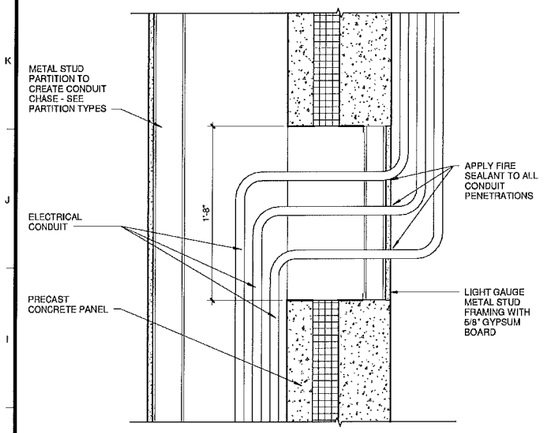
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Reviewed:	SCB
Book No.:	-

SHEET TITLE:
Interior Elevations

SHEET NUMBER
A8.4

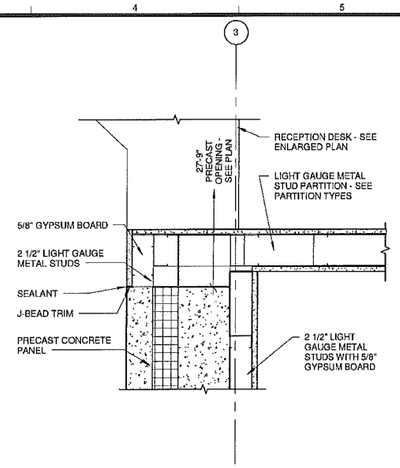
Project No.: 0111316.00

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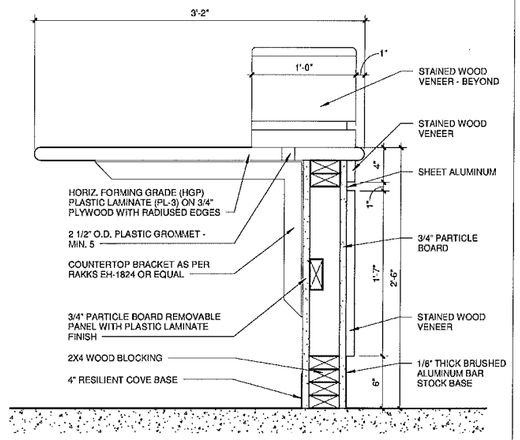
12 Interior Detail - Precast Void for Conduit

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



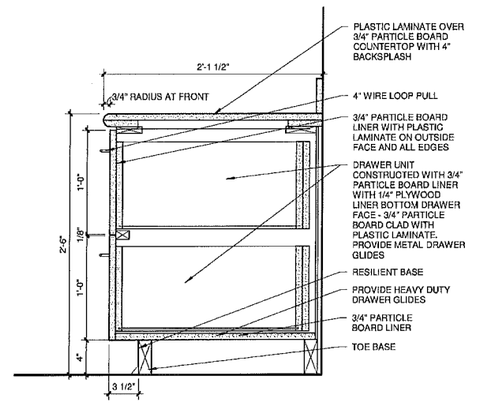
9 Column Wrap Detail - Reception

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



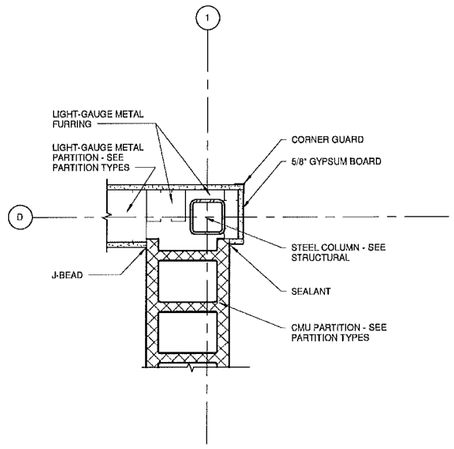
6 Section - Reception Desk Typical Casework

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



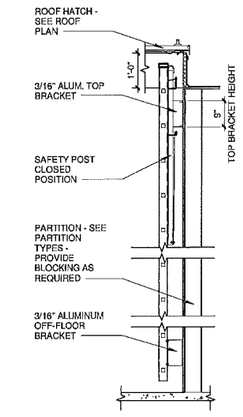
3 File Drawer Base Cabinet

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



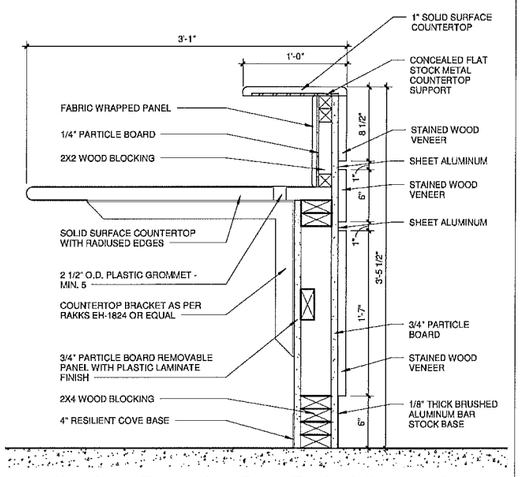
11 Column Wrap Detail - Entry Stair

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



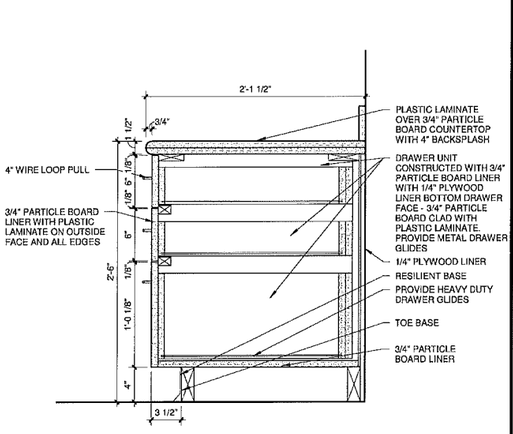
8 Roof Access Ladder - Side

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



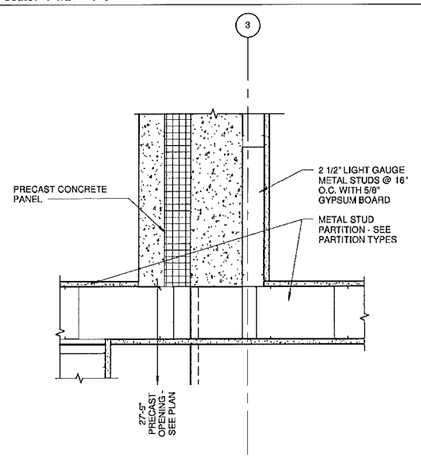
5 Section - Reception Desk Typical Casework

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



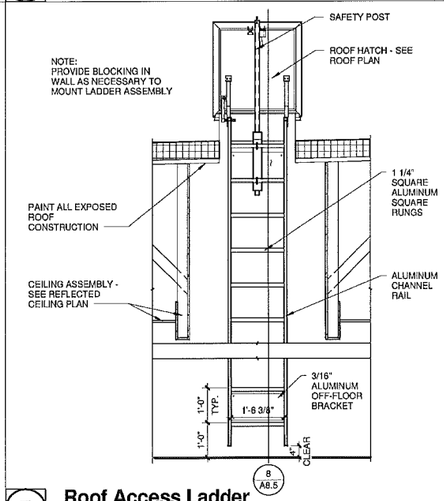
2 Drawer Base Cabinet

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



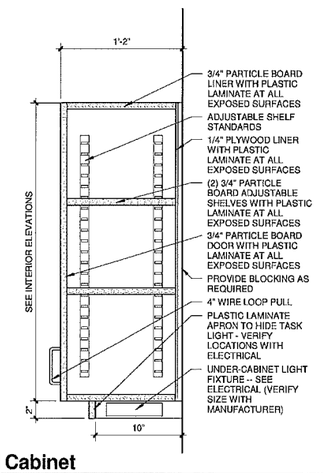
10 Column Wrap Detail - Locker Room

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



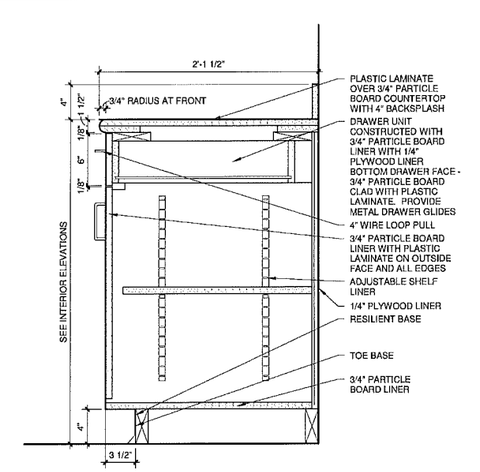
7 Roof Access Ladder

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



4 Wall Cabinet

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



1 Base Cabinet

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

ENGINEERS
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CHAMPAIGN PARK DISTRICT

Bid Set

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Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	CJ/KR/SCB
Reviewed:	SCB
Book No.:	-

SHEET TITLE:

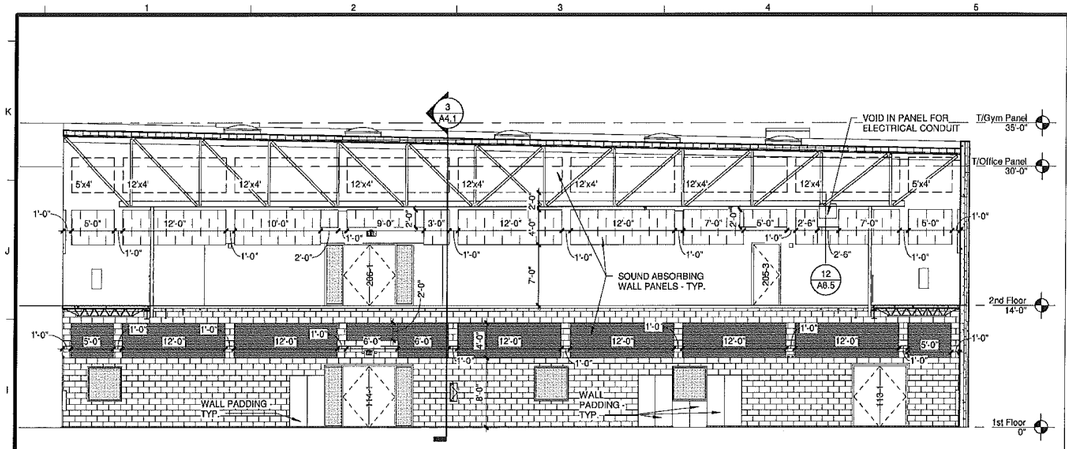
Interior Elevations

SHEET NUMBER

A8.5

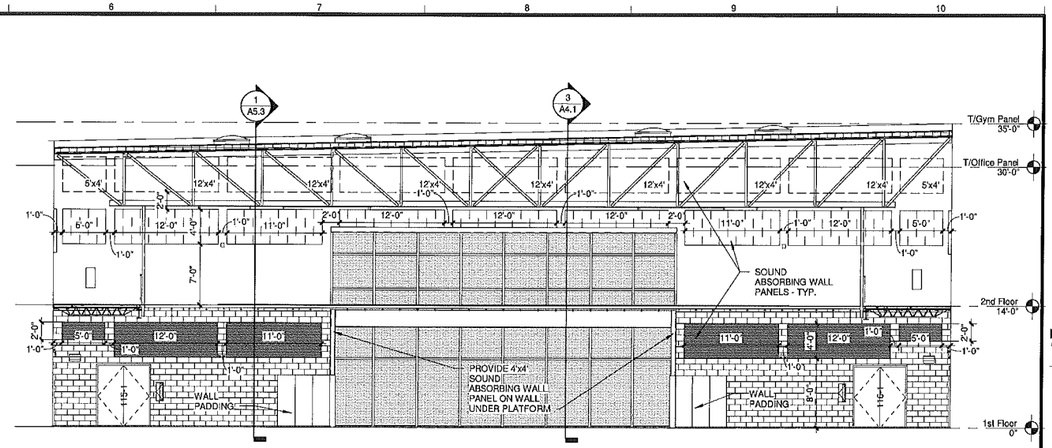
Project No.: 0111316.00

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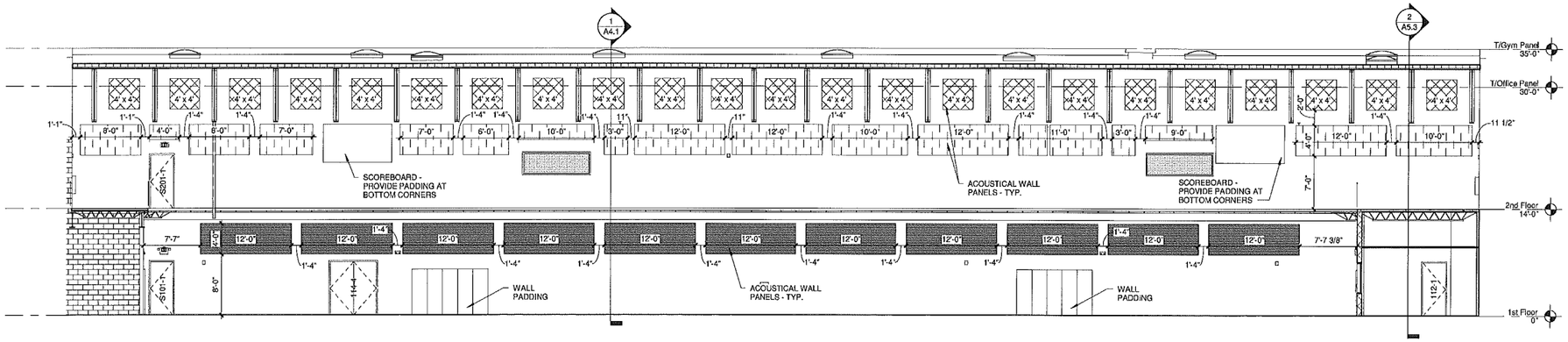
4 Interior Elevation - Gym (South)

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



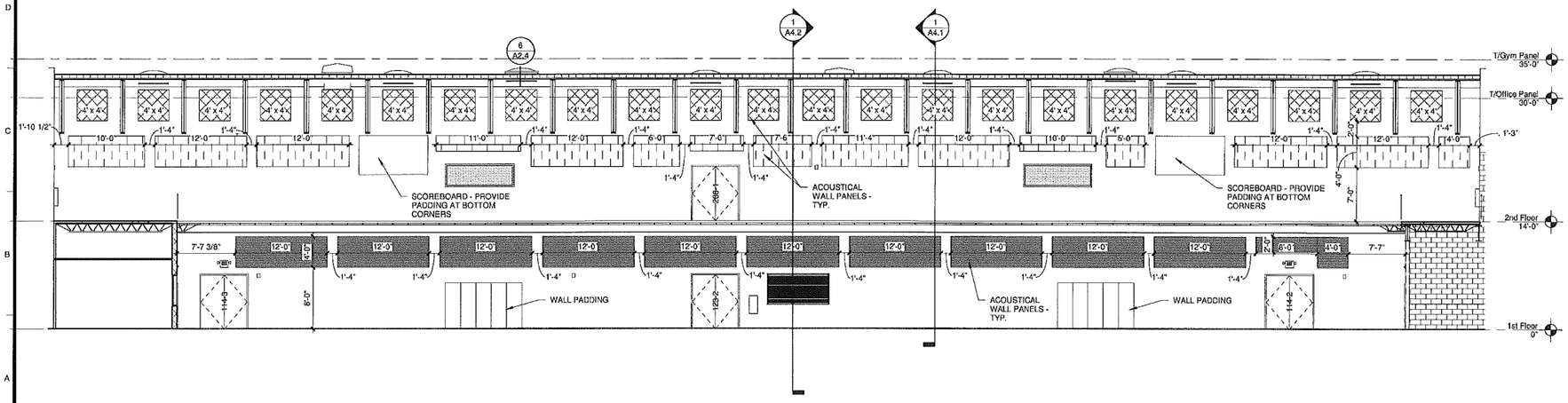
3 Interior Elevation - Gym (North)

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



2 Interior Elevation - Gym (East)

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



1 Interior Elevation - Gym (West)

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

SOUND ABSORBING PANEL SCHEDULE

- SOUND ABSORBING PANEL TO BE PAINTED PNT-5 - SEE INTERIOR FINISH SCHEDULE
- SOUND ABSORBING PANEL TO BE PAINTED PNT-1 - SEE INTERIOR FINISH SCHEDULE
- SOUND ABSORBING PANEL TO BE PAINTED PNT-7 - SEE INTERIOR FINISH SCHEDULE
- SOUND ABSORBING PANEL TO BE PAINTED PNT-7 - SEE INTERIOR FINISH SCHEDULE

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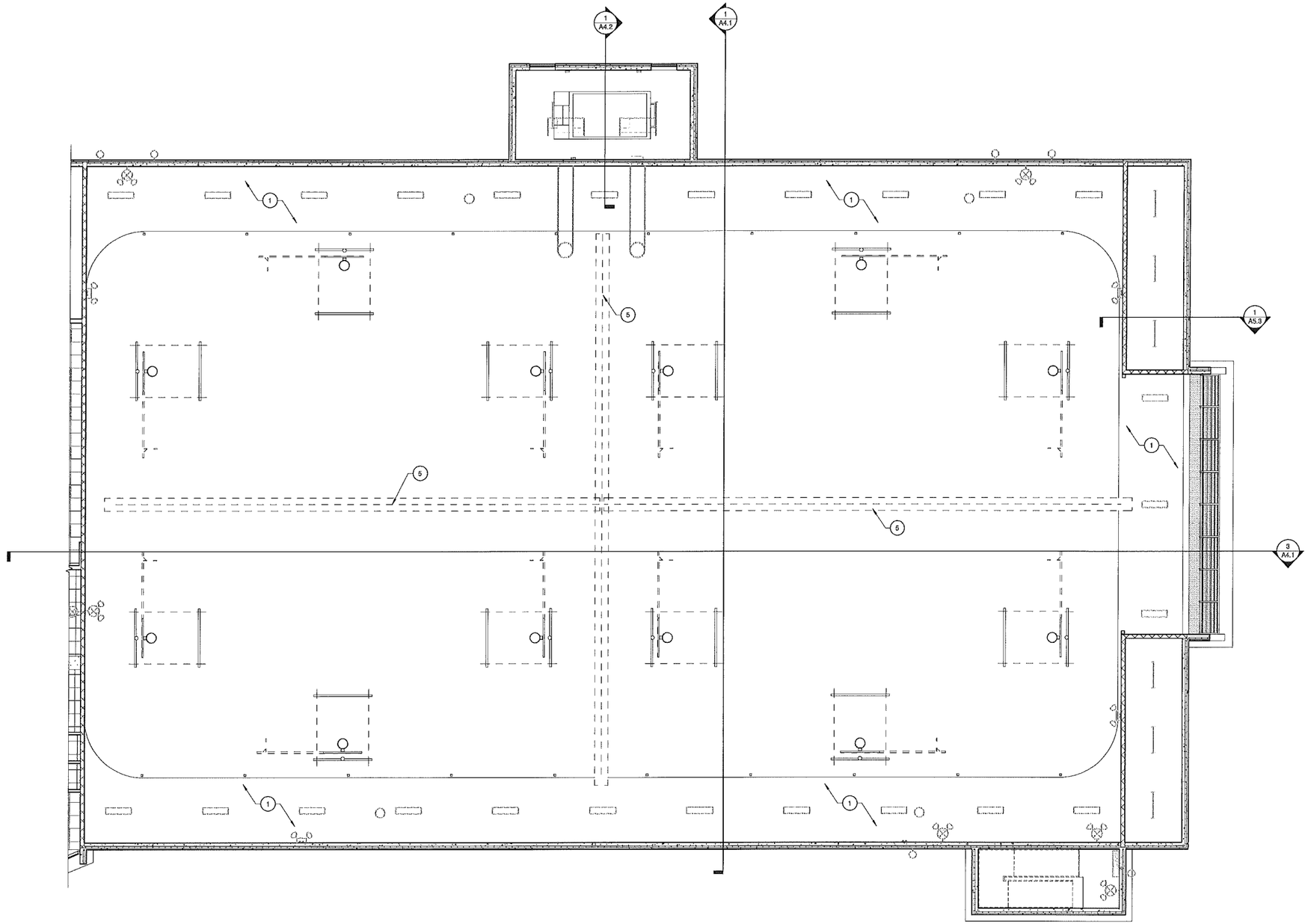
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Book No.:	-

SHEET TITLE:
Interior Elevations - Gym

SHEET NUMBER:
A8.6

Project No.: 0111316.00

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Reflected Ceiling Plan Keynotes

1. ROOF DECK, EXPOSED STRUCTURE, EXPOSED MECHANICAL, & EXPOSED EQUIPMENT SHALL BE PAINTED PNT-8. REFER TO INTERIOR FINISH PLANS FOR COLOR DETAILS.
2. GYPSUM BOARD BULKHEAD / SOFFIT VERTICAL & UNDERSIDE SHALL BE PAINTED PNT-8. SEE INTERIOR FINISH PLANS FOR COLOR DETAILS.
3. GYPSUM BOARD CEILING VERTICAL & UNDERSIDE SHALL BE PAINTED PNT-8. SEE INTERIOR FINISH PLANS FOR COLOR DETAILS.
4. GYPSUM BOARD BULKHEAD VERTICAL & UNDERSIDE SHALL BE PAINTED PNT-7. SEE INTERIOR FINISH PLAN FOR COLOR DETAILS.
5. GYM DIVIDER CURTAIN.
6. UNIT SKYLIGHT
7. ROOFTOP MECHANICAL EQUIPMENT - SEE SPECS.

1 **First Floor Reflected Ceiling Plan - Gym**
Scale: 1/8" = 1'-0"

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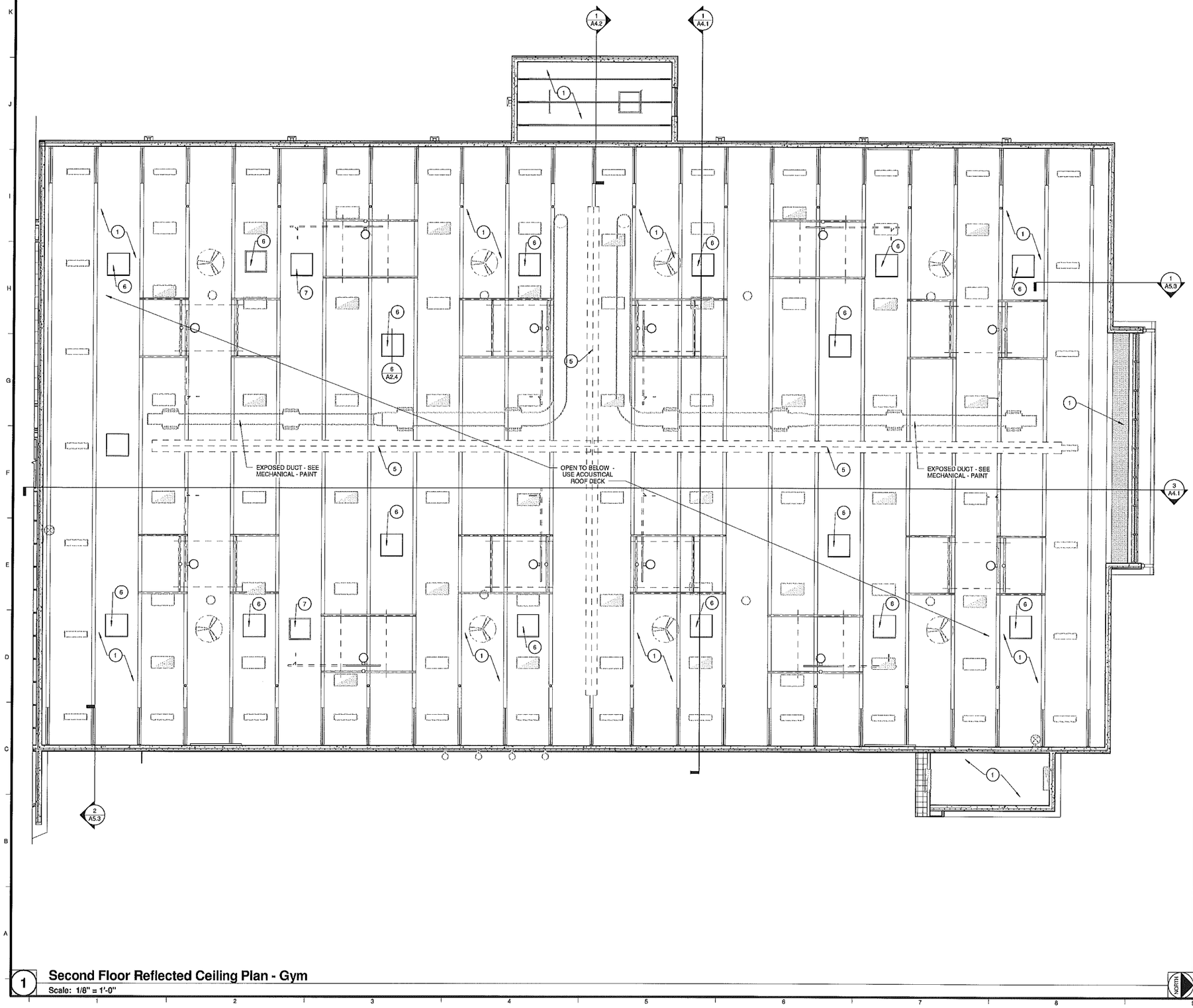
Reflected Ceiling Plan - Gym First Floor

SHEET NUMBER

A9.1

Project No.: 0111316.00

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1 **Second Floor Reflected Ceiling Plan - Gym**
Scale: 1/6" = 1'-0"

Reflected Ceiling Plan Keynotes

1. ROOF DECK, EXPOSED STRUCTURE, EXPOSED MECHANICAL, & EXPOSED EQUIPMENT SHALL BE PAINTED PNT-8. REFER TO INTERIOR FINISH PLANS FOR COLOR DETAILS.
2. GYPSUM BOARD BULKHEAD / SOFFIT VERTICAL & UNDERSIDE SHALL BE PAINTED PNT-5. SEE INTERIOR FINISH PLANS FOR COLOR DETAILS.
3. GYPSUM BOARD CEILING VERTICAL & UNDERSIDE SHALL BE PAINTED PNT-8. SEE INTERIOR FINISH PLANS FOR COLOR DETAILS.
4. GYPSUM BOARD BULKHEAD VERTICAL & UNDERSIDE SHALL BE PAINTED PNT-7. SEE INTERIOR FINISH PLAN FOR COLOR DETAILS.
5. GYM DIVIDER CURTAIN.
6. UNIT SKYLIGHT
7. ROOFTOP MECHANICAL EQUIPMENT - SEE SPECS.

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Bid Set

PROJECT
Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

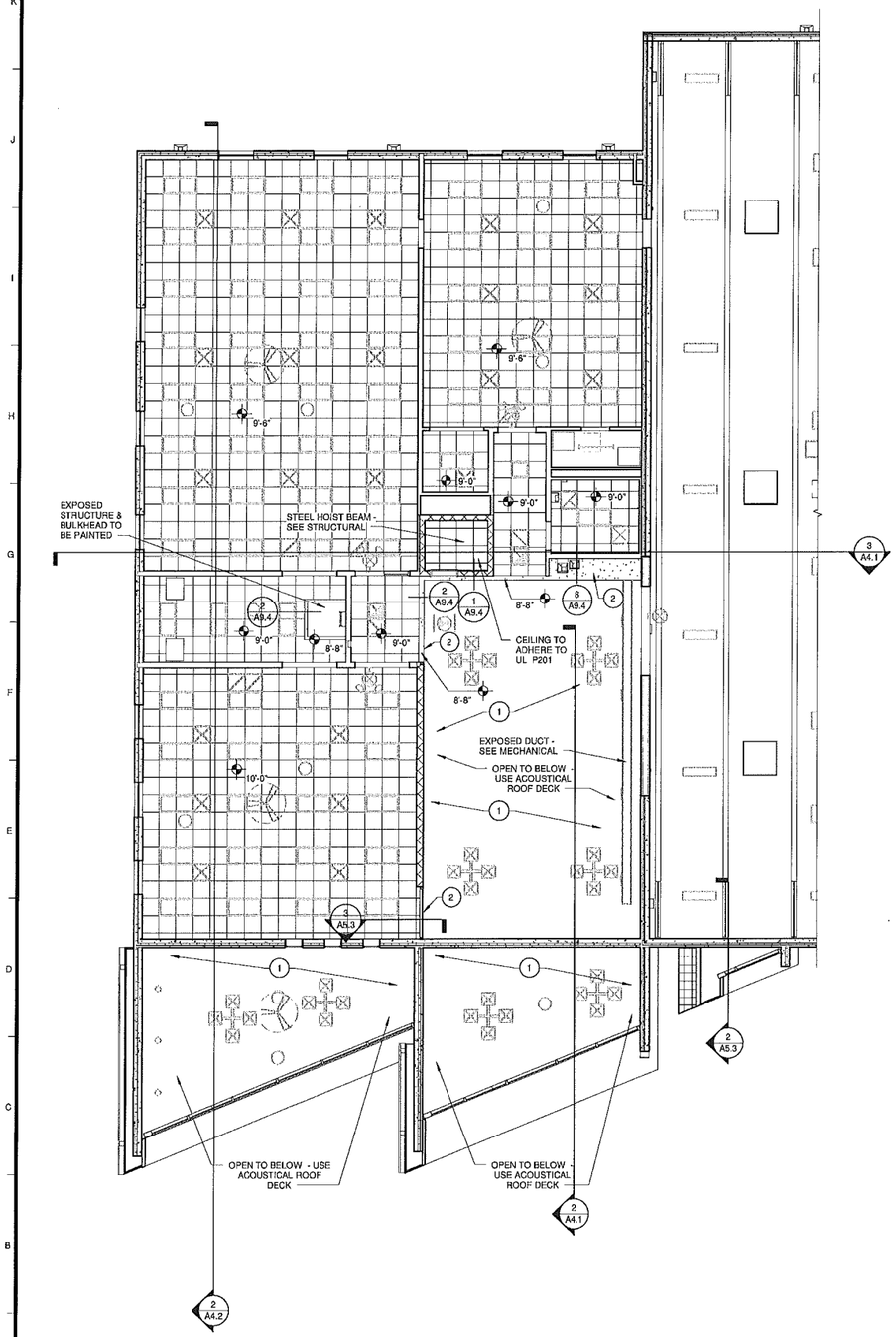
Date:	05/01/13
Design/Drawn:	CJ/KR/SCB
Reviewed:	SCB
Book No.:	-

SHEET TITLE
Reflected Ceiling Plan - Gym Second Floor

SHEET NUMBER
A9.2

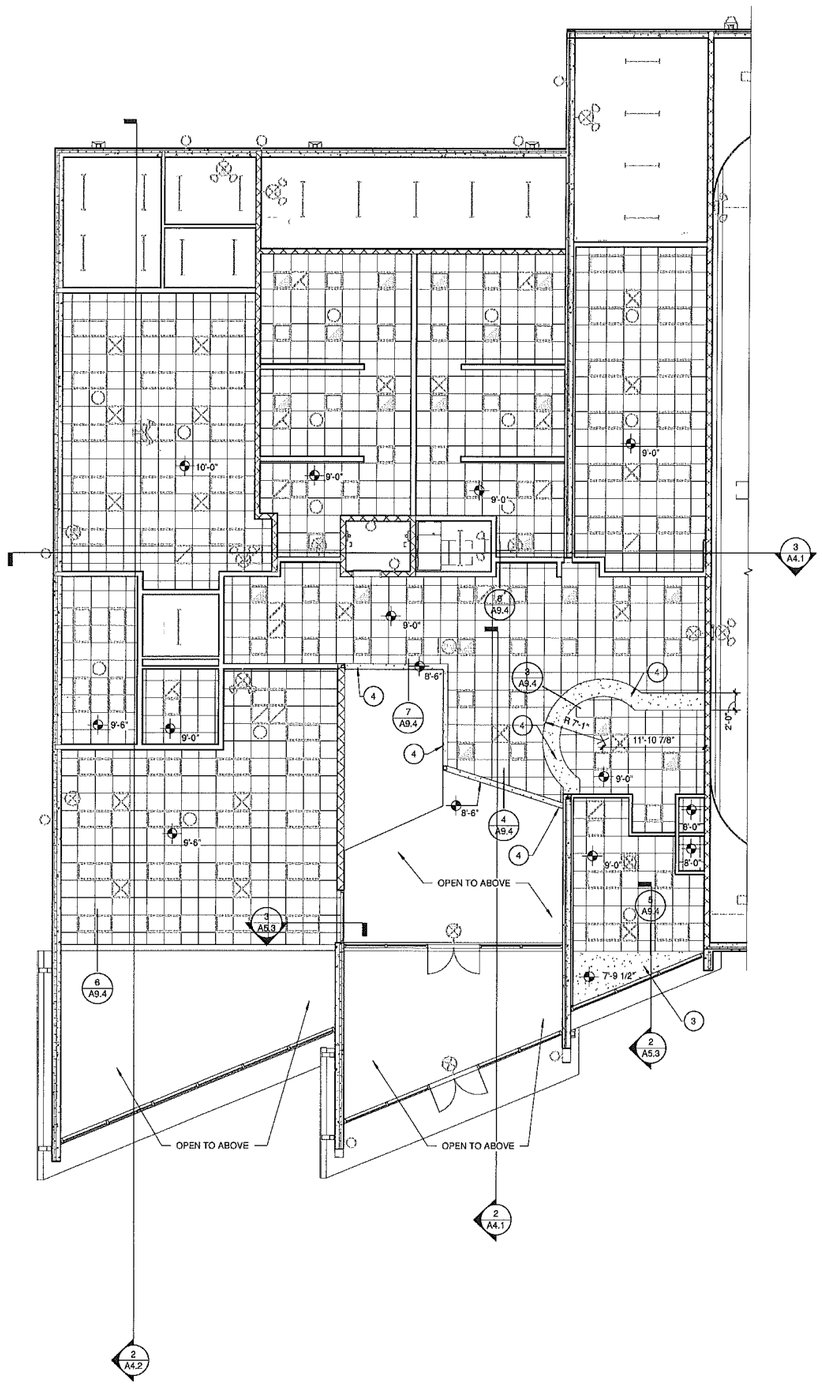
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2 Second Floor Reflected Ceiling Plan

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



1 First Floor Reflected Ceiling Plan

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

Reflected Ceiling Plan Keynotes

1. ROOF DECK, EXPOSED STRUCTURE, EXPOSED MECHANICAL, & EXPOSED EQUIPMENT SHALL BE PAINTED PNT-8. REFER TO INTERIOR FINISH PLANS FOR COLOR DETAILS.
2. GYPSUM BOARD BULKHEAD / SOFFIT VERTICAL & UNDERSIDE SHALL BE PAINTED PNT-6. SEE INTERIOR FINISH PLANS FOR COLOR DETAILS.
3. GYPSUM BOARD CEILING VERTICAL & UNDERSIDE SHALL BE PAINTED PNT-8. SEE INTERIOR FINISH PLANS FOR COLOR DETAILS.
4. GYPSUM BOARD BULKHEAD VERTICAL & UNDERSIDE SHALL BE PAINTED PNT-7. SEE INTERIOR FINISH PLAN FOR COLOR DETAILS.
5. GYM DIVIDER CURTAIN.
6. UNIT SKYLIGHT
7. ROOFTOP MECHANICAL EQUIPMENT - SEE SPECS.

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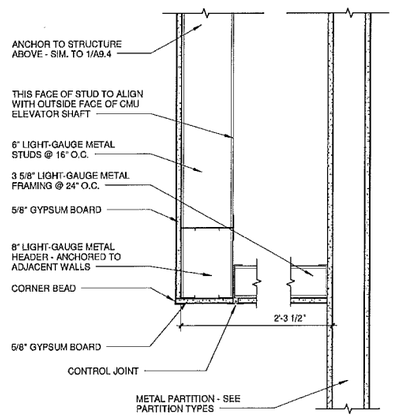
Reflected Ceiling Plan

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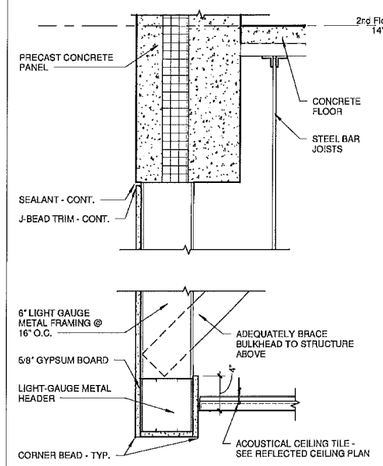
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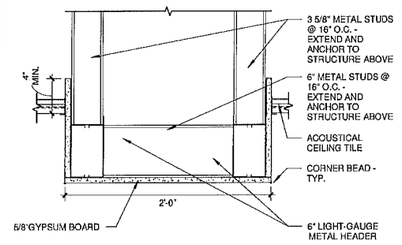
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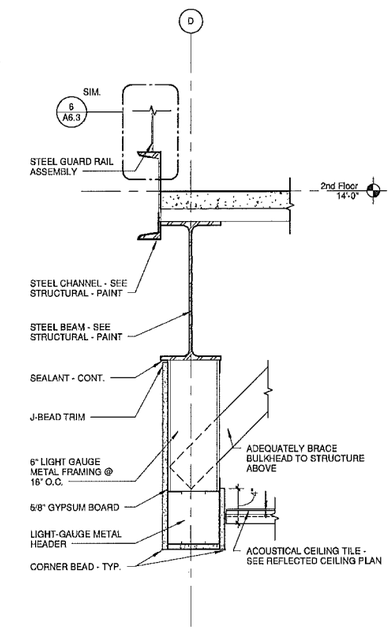
8 **Ceiling Detail - 2nd Floor Mech.**
Scale: 1 1/2" = 1'-0"



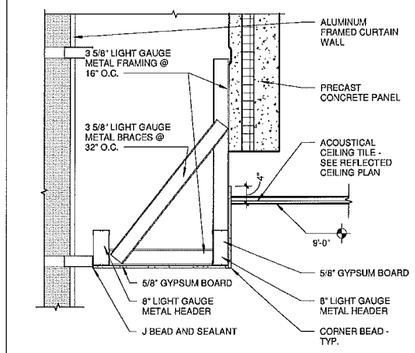
6 **Ceiling Detail - Indoor Play**
Scale: 1 1/2" = 1'-0"



3 **Ceiling Detail - Soffit**
Scale: 1 1/2" = 1'-0"

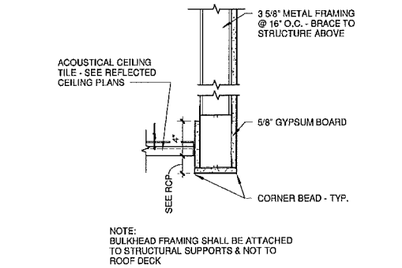


7 **Ceiling Detail - Stair Bulkhead**
Scale: 1 1/2" = 1'-0"

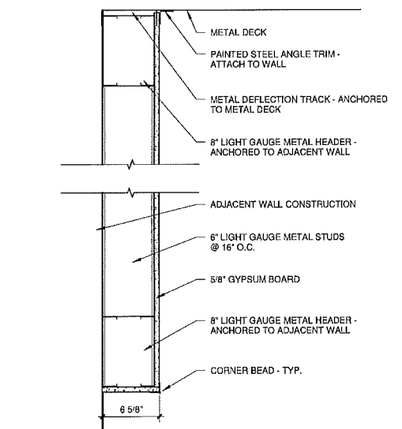


5 **Ceiling Detail - Manager 117**
Scale: 3/4" = 1'-0"

4 **Ceiling Detail - Atrium**
Scale: 1 1/2" = 1'-0"



2 **Ceiling Detail - Bulkhead**
Scale: 1 1/2" = 1'-0"



1 **Ceiling Detail - Bulkhead**
Scale: 1 1/2" = 1'-0"

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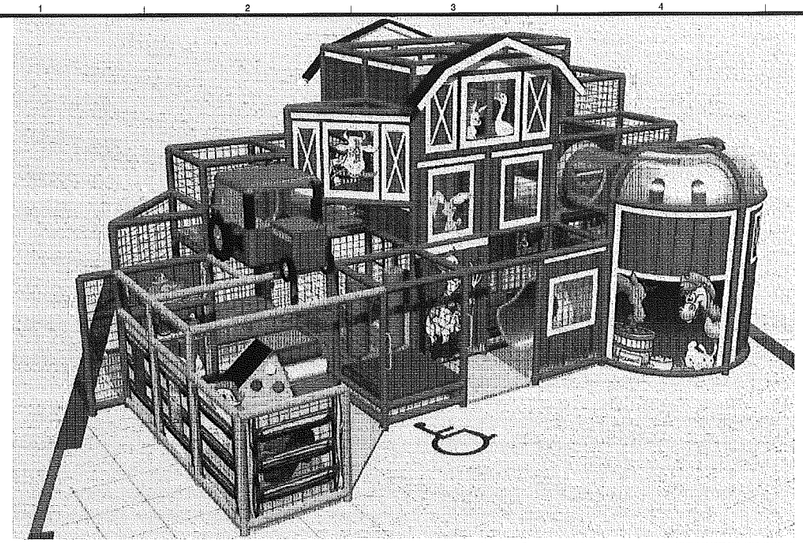
Ceiling Details

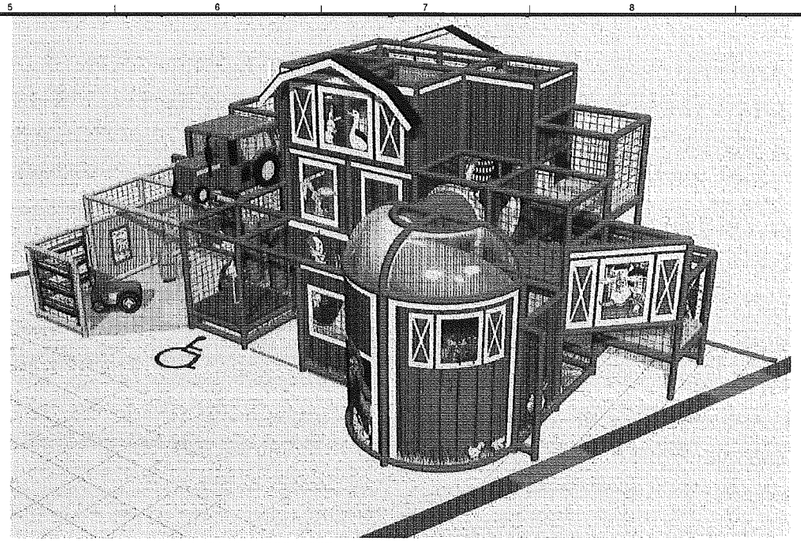
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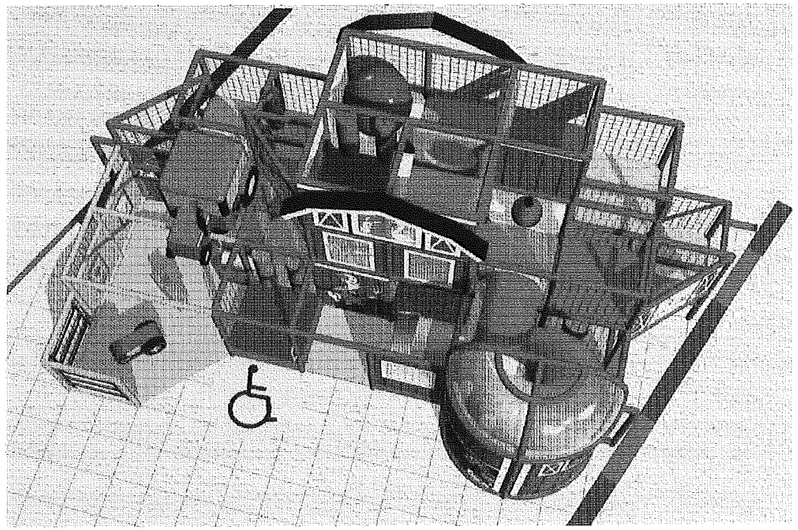
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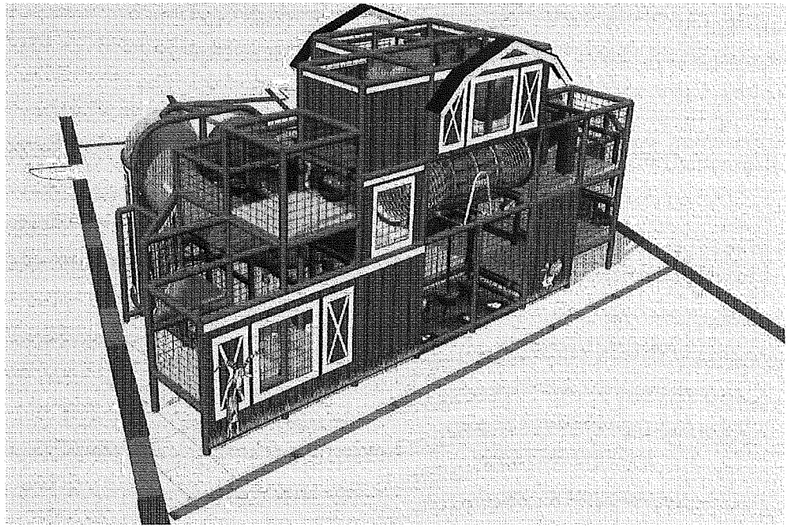
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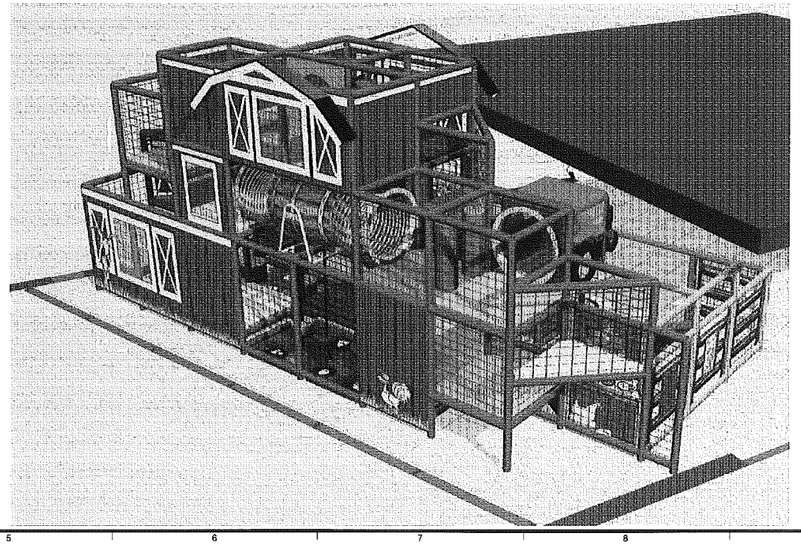
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Indoor Playground Notes

1. INFORMATION SHOWN ON THIS SHEET IS INTENDED FOR OVERALL DESIGN INTENT ONLY. INDOOR PLAYGROUND EQUIPMENT MANUFACTURER SHALL PROVIDE A SEPARATE SET OF DRAWINGS SIGNED AND SEALED BY A LICENSED DESIGN PROFESSIONAL.
2. INDOOR PLAYGROUND EQUIPMENT MANUFACTURER SHALL PROVIDE THEIR OWN DETAILS AND DRAWINGS FOR REVIEW AND APPROVAL.
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING NEW CONSTRUCTION REQUIREMENTS WITH INDOOR PLAYGROUND EQUIPMENT MANUFACTURER.
4. INDOOR EQUIPMENT PLAYGROUND MANUFACTURER SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO MANUFACTURING INDOOR PLAYGROUND EQUIPMENT. INDOOR PLAYGROUND EQUIPMENT MANUFACTURER AND INSTALLER SHALL NOT BE GRANTED ANY ADDITIONAL COMPENSATION FOR MODIFICATIONS MADE TO THE STRUCTURE AS A RESULT OF NOT VERIFYING EXISTING CONDITIONS.

IMAGES DEVELOPED & PRODUCED BY:

INTERNATIONAL PLAY CO.
#215-27353 58TH CRESCENT
LANGLEY, BC, CANADA V4W 3X7
WWW.IPLAYCO.COM

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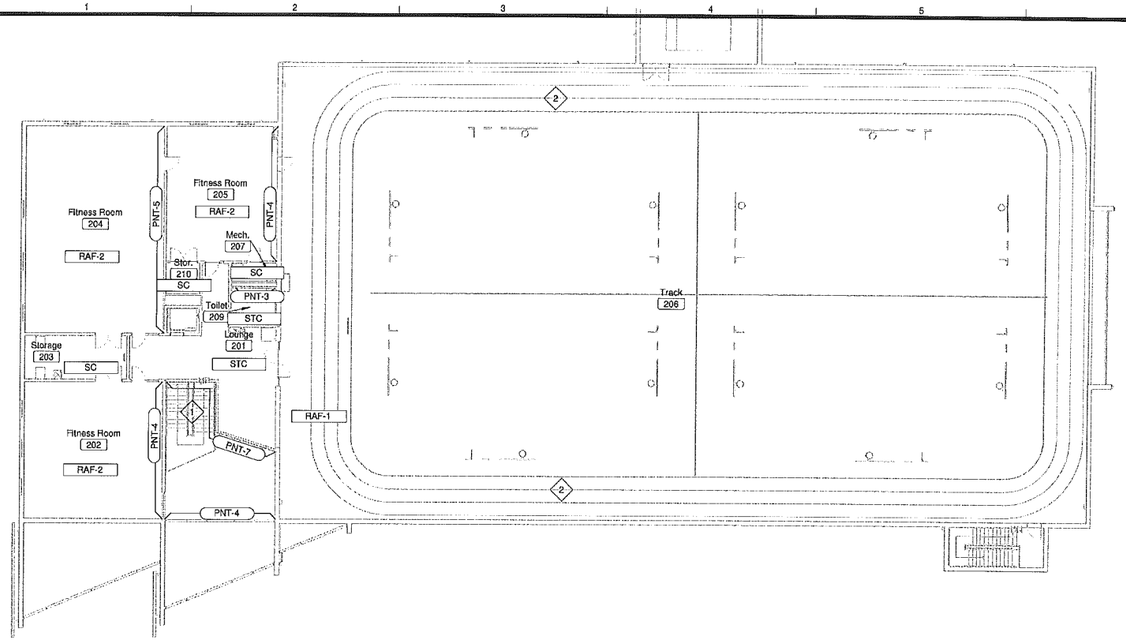
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Book No.:	-

SHEET TITLE:
Indoor Playground Equipment Design Intent

SHEET NUMBER
G1.0

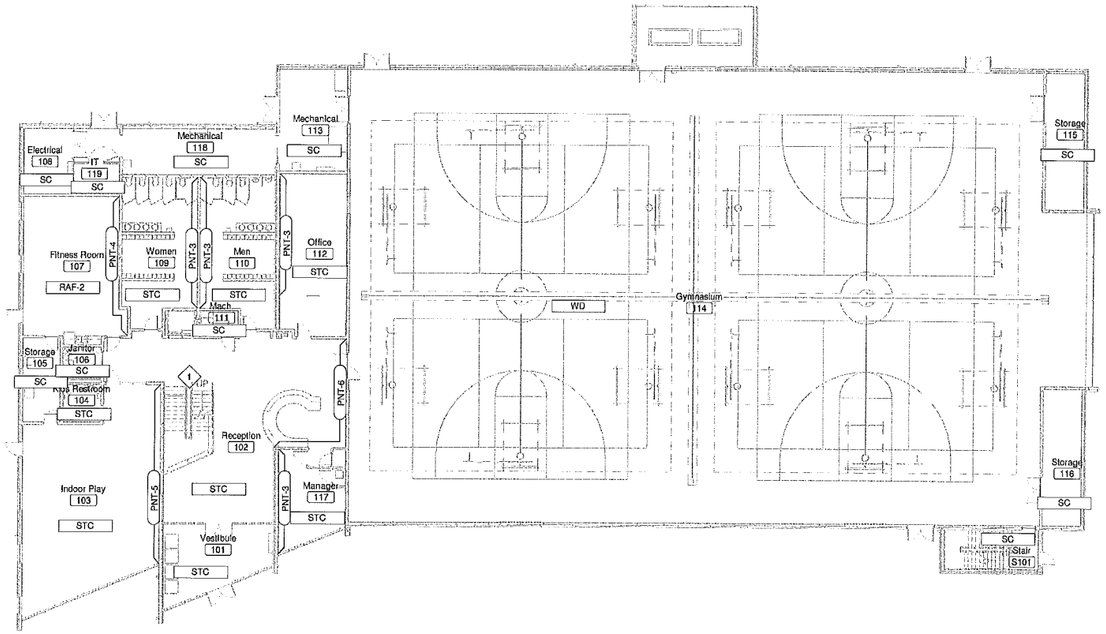
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Second Floor Finish Plan

Scale: 1/16" = 1'-0"



First Floor Finish Plan

Scale: 1/16" = 1'-0"

General Notes

1. BASIS-OF-DESIGN PRODUCT: WHERE SPECIFICATIONS OR DRAWINGS NAME A PRODUCT AND MANUFACTURER, PROVIDE THE SPECIFIED PRODUCT/MANUFACTURER. DRAWINGS AND SPECIFICATIONS INDICATE SIZES, PROFILES, DIMENSIONS, AND OTHER CHARACTERISTICS THAT ARE BASED ON THE PRODUCT NAMED. INSTALL PRODUCT COMPLETE WITH ALL REQUIRED ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTION AND DETAILS.
2. ALL CONTRACTORS TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
3. ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS TO RECEIVE TRANSITION STRIP.
4. ALL FLOOR FINISHES TO EXTEND BENEATH CASEWORK.
5. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF WHEN IN CLOSED POSITION, UNLESS OTHERWISE NOTED OR SHOWN.
6. REMARKS COLUMN ON ROOM AND PRODUCT FINISH SCHEDULE INDICATES GENERAL COMMENTS ONLY. SEE INTERIOR FINISH PLANS AND SPECIFICATIONS FOR LOCATIONS AND DETAILS.
7. SEE REFLECTED CEILING PLAN ON A9.1, A9.2, AND A9.3 FOR CEILING SOFFIT/ BULKHEADS PAINT COLORS AND INDICATION.
8. ALL WALLS SHALL BE PNT-1, UNLESS OTHERWISE NOTED OR SHOWN.
9. ALL METAL DOORS AND DOOR FRAMES SHALL BE PNT-2, UNLESS OTHERWISE NOTED OR SHOWN.
10. ALL WALL BASE SHALL BE RES-1, UNLESS OTHERWISE NOTED OR SHOWN.
12. ALL JANITOR ROOM WALLS SURROUNDING MOP SINK TO RECEIVE WALL PROTECTION OF FIBERGLASS REINFORCED PLASTIC PANEL, 4' HIGH x 4' WIDE.

INTERIOR KEYNOTES

1. STAIR RAILING AND STRINGER SHALL BE PAINTED PNT-2.
2. RAILING SHALL BE PAINTED PNT-2.

COURT LINE GENERAL NOTES

1. ALL MAIN BASKETBALL COURT LINES TO BE 2" WIDE & SHALL BE COLOR BLACK.
2. ALL VOLLEYBALL LINES TO BE 2" WIDE & SHALL BE COLOR RED.
3. CROSS-COURT BASKETBALL LINES TO BE 1" WIDE & SHALL BE COLOR ROYAL BLUE.
4. ALL COURT MARKINGS SHALL BE IN COMPLIANCE WITH NFHS.
5. ALL OVERHEAD TRACK LANE MARKINGS TO BE 2" WIDE & SHALL BE COLOR WHITE.

Symbol Legend

- XX — WALL FINISH TAG
- XX — ACCENT WALL FINISH
- XX — WALL BASE TAG
- XX — FLOOR FINISH TAG
- XX / XX — FLOOR MATERIAL TRANSITION
- XX — ALIGN TRANSITION WITH ADJACENT ITEM
- 0° — PATTERN/LINEAR DIRECTION
- XX — CASEWORK COUNTER/TRANSITION TOP FINISH
- XX — CASEWORK BASE AND UPPER CABINET FINISH

Finish Abbreviation Legend

ACT	Acoustical Ceiling Tile	LVT	LUXURY VINYL TILE
CC	CUBICLE CURTAIN	MWB	MOLDED WALL BASE
CMU	CONCRETE MASONRY UNIT	PNT	PAINT
CPT	CARPET	RES	RESILIENT WALL BASE
CT	CERAMIC TILE	RS	RIGID SHEET
DF	DOOR FRAME GUARD	RVT	RECYCLED VINYL TILE
EPOXY	EPOXY PAINT	SC	SEALED CONCRETE
E/S	EXPOSED STRUCTURE	SS	SOLID SURFACE
EX	EXISTING	SSV	SPECIALTY SHEET VINYL
FRP	FIBERGLASS REINFORCED PANELS	STC	STAINED CONCRETE
GLS	GLASS	SV	SHEET VINYL
GYP	GYPSUM WALL BOARD	VCT	VINYL COMPOSITION TILE
LAM	PLASTIC LAMINATE	VWC	VINYL WALL COVERING
LIN	LINOLEUM	WLK	WALK-OFF CARPET

PRODUCT FINISH SCHEDULE

FLOORING

TAG	MANUFACTURER	PRODUCT DESCRIPTION	REMARKS
STC	TDB	COLOR SHALL BE SELECTED FROM MANUFACTUE'S FULL RANGE OF PRODUCT WHICH FULLY MEETS SPECIFICATIONS AS INDICATED	OFFICES, RESTROOMS, RECEPTION, CLASSROOM, LOUNGE, STORAGE
RAF-1	TRACTION	MULTIPURPOSE ATHLETIC SURFACE FLOORING- COLOR DARK GREEN	RUNNING TRACK
RAF-2	TRACTION	CONTROL XT- WOOD GRAIN TEXTURE AND COLOR	CLASSROOMS AND EXERCISE ROOMS

WALLS

TAG	MANUFACTURER	PRODUCT DESCRIPTION	REMARKS
PNT-1	SHERWIN WILLIAMS	MAISON BLANCHE SW7526	FIELD
PNT-2	SHERWIN WILLIAMS	PORPOISE SW7047	DOOR AND DOOR FRAMES
PNT-3	SHERWIN WILLIAMS	WILLOW TREE SW7741	ACCENT
PNT-4	SHERWIN WILLIAMS	WHITE RAISIN SW7685	ACCENT
PNT-5	SHERWIN WILLIAMS	AQUA SPHERE SW7613	ACCENT
PNT-6	SHERWIN WILLIAMS	GARDEN GROVE SW6445	ACCENT
PNT-7	SHERWIN WILLIAMS	PARAKEET SW6711	ACCENT
PNT-8	SHERWIN WILLIAMS	PURE WHITE SW7005	ACCENT

WALL BASE

TAG	MANUFACTURER	PRODUCT DESCRIPTION	REMARKS
RES-1	JOHNSONITE	MOON ROCK 29	RESILIENT BASE

MISCELLANEOUS

TAG	MANUFACTURER	PRODUCT DESCRIPTION	REMARKS
LAM-1	FORMICA	MINERAL SPA 6920-58	CLASSROOM 107 AND RECEPTION WORK SURFACE
SS-1	CORIAN	DELTA SAND	RECEPTION TRANSACTION COUNTER
STAIN	MATCH GRAHAM DOOR MANUFACTURER	MATCH GRAHAM, COLOR FALLOW 125	

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Finish Plan

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Project No.: 0111316.00

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Annotation Abbreviations

AC	ABOVE CEILING/AIR CONDITIONER	KH	KITCHEN HOOD - COMMERCIAL
ACC	AIR COOLED CONDENSER	LPR	LOW PRESSURE STEAM RETURN
AF	AIR FILTER	LPS	LOW PRESSURE STEAM SUPPLY
AFF	ABOVE FINISHED FLOOR	MA	MIXED AIR
AHU	AIR HANDLING UNIT	MAU	MAKEUP AIR UNIT
AL	ALUMINUM	MBH	THOUSANDS OF BTU PER HOUR
AMS	AIR MEASURING STATION	MD	MOTORIZED DAMPER
AS	AIR SEPARATOR	MS	MOTORIZED SHUTTER
AV	AUTOMATIC AIR VENT	NTS	NOT TO SCALE
B	BOILER	OA	OUTDOOR AIR
BAS	BUILDING AUTOMATION SYSTEM	OBD	OPPOSED BLADE DAMPER
BDD	BACKDRAFT DAMPER	P	PUMP
BFC	BELOW FINISHED CEILING	PC	PLUMBING CONTRACTOR
BFP	BACKFLOW PREVENTION DEVICE	PBD	PARALLEL BLADE DAMPER
BJ	BETWEEN JOISTS	PRV	PRESSURE RELIEF VALVE
BOD	BOTTOM OF DUCT	PS	PRESSURE SWITCH
BOP	BOTTOM OF PIPE	PSI	POUNDS PER SQUARE INCH
BTUH	BRITISH THERMAL UNITS PER HOUR	PAC	PACKAGED AIR CONDITIONER
CA	COMPRESSED AIR	RA	RETURN AIR
CBS	COUNTER BALANCED SHUTTER	RF	RETURN AIR FAN
CC	COOLING COIL	RG	RETURN GRILLE (LESS DAMPER)
CF	CIRCULATING FAN	RH	ROOF HOOD
CFM	CUBIC FEET PER MINUTE	RHC	REHEAT COIL
CH	CHILLER	RLFA	RELIEF AIR
CHP	CHILLED WATER PUMP	RPZ	REDUCED PRESSURE BFP
CHR	CHILLED WATER RETURN	RR	RETURN REGISTER (WITH DAMPER)
CHS	CHILLED WATER SUPPLY	RTU	ROOFTOP AIR HANDLING UNIT
CNV	CONVECTOR	SA	SUPPLY AIR
COND	CONDENSATE	SAS	SELF-ACTING SHUTTER
CP	CONDENSATE PUMP	SD	SUPPLY DIFFUSER/SMOKE DAMPER
CRAC	COMPUTER ROOM AIR CONDITIONER	SF	SUPPLY FAN
CT	COOLING TOWER	SFD	SMOKE/FIRE DAMPER
CU	CONDENSING UNIT	SG	SUPPLY GRILLE
CUH	CABINET UNIT HEATER	SF	SQUARE FOOT
CV	CONTROL VALVE	SR	SUPPLY REGISTER
CW	DOMESTIC COLD WATER	TCAC	TEMP. CONTROL AIR COMPRESSOR
CWP	CONDENSER WATER PUMP	TCAD	TEMP. CONTROL AIR DRYER
CWR	CONDENSER WATER RETURN	TDV	TRIPLE DUTY VALVE
CWS	CONDENSER WATER SUPPLY	TFA	TO FLOOR ABOVE
DC	DRY COOLER	TFB	TO FLOOR BELOW
DN	DOWN	TOD	TOP OF DUCT
DP	DIFFERENTIAL PRESSURE	TOP	TOP OF PIPE
DS	DUCT SILENCER	TSP	TOTAL STATIC PRESSURE
EA	EXHAUST AIR	UC	UNIT COOLER
EBB	ELECTRIC BASEBOARD HEATER	UFD	UNDERFLOOR DUCT
EC	ELECTRICAL CONTRACTOR	UFT	UNDERFLOOR FAN TERMINAL
EDC	ELECTRIC DUCT COIL	UH	UNIT HEATER
EF	EXHAUST FAN	UV	UNIT VENTILATOR
EG	EXHAUST GRILLE (LESS DAMPER)	VAV	VARIABLE AIR VOLUME TERMINAL
EH	ELECTRIC HEATER	VD	VOLUME DAMPER
EHC	ELECTRIC HEATING COIL	VFC	VARIABLE FREQUENCY CONTROLLER
EL	ELEVATION	VRP	VERTICAL RADIANT PANEL
ER	EXHAUST REGISTER		
ERV	ENERGY RECOVERY VENTILATOR		
ESP	EXTERNAL STATIC PRESSURE		
ET	EXPANSION TANK		
EUH	ELECTRIC UNIT HEATER		
FA	FRESH AIR		
FCU	FAN COIL UNIT		
FD	FIRE DAMPER		
FDC	FLEXIBLE DUCT CONNECTION		
FFA	FROM FLOOR ABOVE		
FFB	FROM FLOOR BELOW		
FO	FLAT OVAL DUCT		
FPC	FLEXIBLE PIPE CONNECTION		
FPT	FAN POWERED AIR TERMINAL		
FT	FINNED TUBE RADIATION		
GC	GENERAL CONTRACTOR		
GF	GAS FURNACE		
GIH	GRAVITY INTAKE HOOD		
GPM	GALLONS PER MINUTE		
GR	GLYCOL RETURN		
GS	GLYCOL SUPPLY		
GUH	GAS UNIT HEATER		
H	HUMIDIFIER		
HC	HEATING COIL		
HCWR	DUAL TEMPERATURE RETURN		
HCWS	DUAL TEMPERATURE SUPPLY		
HP	HEAT PUMP		
HPR	HIGH PRESSURE STEAM RETURN		
HPS	HIGH PRESSURE STEAM SUPPLY		
HRC	HEAT RECOVERY COIL		
HRV	HEAT RECOVERY VENTILATOR (SENSIBLE)		
HS	HUMIDITY SENSOR		
HWP	HOT WATER PUMP		
HWR	HOT WATER RETURN		
HWS	HOT WATER SUPPLY		
HX	HEAT EXCHANGER		
ISP	INTERNAL STATIC PRESSURE		

Annotation Symbology

- AHU-1 / 1 — EQUIPMENT TYPE; MECHANICAL EQUIPMENT TAG; EQUIPMENT MARK
- 3 / M1.1 — DETAIL NUMBER; DETAIL OR SECTION MARK; SHOWN ON DRAWING
- S1 12x12 / 250 — THROAT SIZE; AIR TERMINAL DESIGNATION; AIRFLOW IN CFM
- (11) KEYED NOTE
- POINT OF NEW CONNECTION
- CAP EXISTING PIPE OR DUCT
- PROPOSED — BOLD TEXT INDICATES PROPOSED ITEM
- *EXISTING* — ITALIC TEXT INDICATES EXISTING ITEM

Hydronic Symbology

- GATE VALVE
- GLOBE VLAVE
- BALANCING/SHUTOFF VALVE
- EXPANSION VALVE
- PRESSURE REGULATING VALVE
- SOLENOID VALVE
- 2-WAY CONTROL VALVE
- 3-WAY CONTROL VALVE
- QUICK OPENING VALVE
- BALL VALVE
- BUTTERFLY VALVE
- SAFETY RELIEF VALVE
- ANGLED GATE VALVE
- ANGLED GLOBE VALVE
- CHECK VALVE
- PRESSURE REDUCING VALVE
- CALIBRATED BALANCING VALVE
- AUTOMATIC AIR VENT
- MANUAL AIR VENT
- FLOW SENSOR/SWITCH
- TEMPERATURE SENSOR/SWITCH
- PRESSURE GUAGE
- TEMPERATURE GUAGE
- PIPE ANCHOR
- PIPE GUIDES
- PIPE EXPANSION JOINT
- FLEXIBLE PIPE CONNECTOR
- PIPE UNION
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- WYE STRAINER
- WYE STRAINER WITH BLOW DOWN AND THREADED HOSE CONNECTION
- DIRECTION OF FLOW
- STEAM BUCKET TRAP
- STEAM F&T TRAP
- BACKFLOW PREVENTER
- PUMP
- PIPE TURNING UP
- PIPE TURNING DOWN
- TEE OFF TOP
- TEE OFF BOTTOM
- PIPE TEE
- PIPE CAP
- PLAN 90 DEGREE ELBOW
- PLAN 45 DEGREE ELBOW
- PIPING SYSTEM (SOLID LINE)

AM-RL	AMMONIA REFRIGERANT LIQUID
AM-RS	AMMONIA REFRIGERANT SUCTION
BD	BOILER BLOW DOWN
CHS	CHILLED WATER SUPPLY
CWS	CONDENSER WATER SUPPLY
CO	CARBON DIOXIDE
D	DRAIN
HCWS	DUAL TEMPERATURE SUPPLY
HPS	HIGH PRESSURE STEAM
HRS	HEAT RECOVERY SUPPLY
HTWS	HIGH TEMP WATER SUPPLY
HWS	HOT WATER SUPPLY
LPS	LOW PRESSURE STEAM
LS	LOOP SUPPLY
MPS	MEDIUM PRESSURE STEAM
PD	PUMP DISCHARGE
RHG	REFRIGERANT HOT GAS
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION

- PIPING SYSTEM (DASHED LINE)

CHR	CHILLED WATER RETURN
CWR	CONDENSER WATER RETURN
HCWR	DUAL TEMPERATURE RETURN
HPR	HIGH PRESSURE STEAM RETURN
HRR	HEAT RECOVERY RETURN
HTWR	HIGH TEMP WATER RETURN
HWR	HOT WATER RETURN
LPR	LOW PRESSURE STEAM RETURN
LR	LOOP RETURN
HRR	HEAT RECOVERY RETURN
HTWR	HIGH TEMP WATER RETURN
LR	RETURN
MPR	MEDIUM PRESSURE STEAM RETURN

Ventilation Symbology

- AHU-1 / GUARD — EQUIPMENT TO BE CONTROLLED; THERMOSTAT; LOCKABLE GUARD WHERE INDICATED
- GUARD / TEMP / HUMID / CO — LOCKABLE GUARD WHERE INDICATED; SENSOR; ELEMENT TO BE MONITORED
- H — HUMIDISTAT
- SUPPLY DIFFUSER/REGISTER
- RETURN REGISTER/GRILLE
- EXHAUST REGISTER/GRILLE
- DIFFUSER AIRFLOW PATTERN IF OTHER THAN 4-WAY BLOW
- FLEXIBLE BRANCH RUNOUT TO SUPPLY DIFFUSER, 36" MAX LENGTH
- CEILING RETURN REGISTER WITH LINED DUCT FOR SOUND ATTENUATION OPEN TO CEILING PLENUM
- FLEXIBLE DUCT CONNECTION TO EQUIPMENT OR BETWEEN DUCTS
- MANUAL VOLUME DAMPER
- MOTORIZED VOLUME DAMPER
- FIRE DAMPER
- SMOKE DAMPER
- SMOKE/FIRE DAMPER
- SUPPLY AIR DUCT TOWARDS
- SUPPLY AIR DUCT AWAY
- RETURN AIR DUCT TOWARDS
- RETURN AIR DUCT AWAY
- EXHAUST AIR DUCT TOWARDS
- EXHAUST AIR DUCT AWAY

(NOT ALL SYMBOLS AND ABBREVIATIONS ARE USED ON THIS PROJECT)

General Heating, Ventilation, and Air-conditioning Notes

Common Requirements

THIS FACILITY HAS BEEN DESIGNATED A "SMOKE-FREE" ENVIRONMENT. NO MECHANICAL VENTILATION PROVISIONS HAVE BEEN MADE TO ACCOMMODATE TOBACCO USAGE BY THE BUILDING OCCUPANTS

ALL MECHANICAL SYSTEMS SHALL BE INSTALLED TO THE SATISFACTION OF THE LOCAL CODE AUTHORITIES HAVING JURISDICTION

Mechanical Equipment Installation

INSTALL EQUIPMENT TO ALLOW MAXIMUM POSSIBLE HEADROOM UNLESS SPECIFIC MOUNTING HEIGHTS ARE INDICATED

INSTALL EQUIPMENT LEVEL AND PLUMB, PARALLEL AND PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS IN EXPOSED INTERIOR SPACES, UNLESS OTHERWISE INDICATED

INSTALL HVAC EQUIPMENT TO FACILITATE SERVICE, MAINTENANCE, AND REPAIR OR REPLACEMENT OF COMPONENTS. CONNECT EQUIPMENT FOR EASE OF REMOVAL, WITH MINIMUM INTERFERENCE TO OTHER INSTALLATIONS

ALL MECHANICAL EQUIPMENT WITH THE EXCEPTION OF AIR HANDLING UNITS, SUPPORTED FROM FLOOR . STRUCTURE SHALL BE MOUNTED ON 4" THICK CONCRETE HOUSEKEEPING PADS UNLESS NOTED OTHERWISE.

AIR FILTERS SHALL BE REPLACED IN ALL AIR HANDLING EQUIPMENT EMPLOYING SUCH PRIOR TO FINAL COMPLETION AND OWNER OCCUPANCY

THE INSTALLING CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ALL MECHANICAL EQUIPMENT PUT INTO OPERATION PRIOR TO THE INSTALLATION OF A WORKING CONTROL SYSTEM, TESTING, AND BALANCING, AND SUBSTANTIAL COMPLETION. ALL RETURN AND EXHAUST DUCT OPENINGS SHALL BE COVERED WITH ROLL TYPE FILTER MEDIA DURING SUCH TEMPORARY OPERATION. OPERATION OF THE MECHANICAL EQUIPMENT PRIOR TO FINAL COMPLETION SHALL NOT IMPACT THE EQUIPMENT WARRANTY. MINIMUM 1-YEAR FROM SUBSTANTIAL COMPLETION UNLESS SPECIFIED OTHERWISE

PROVIDE FLEXIBLE DUCT CONNECTION BETWEEN MOTOR DRIVEN MECHANICAL UNITS AND SHEET METAL SUPPLY, OUTDOOR AIR, EXHAUST, AND/OR RETURN AIR DUCTWORK CONNECTIONS

PROVIDE FLEXIBLE PIPE CONNECTION BETWEEN MOTOR DRIVEN MECHANICAL UNITS AND CONNECTING PIPING

BASIS OF DESIGN MECHANICAL EQUIPMENT IS AS SCHEDULED ON THE DRAWINGS. INSTALLING CONTRACTOR ASSUMES RESPONSIBILITY FOR COORDINATING PHYSICAL SPACE REQUIREMENTS OF EQUIVALENT CAPACITY MECHANICAL EQUIPMENT DEEMED ACCEPTABLE BY THE ENGINEER

MECHANICAL EQUIPMENT FACTORY FINISH DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION PRIOR TO FINAL ACCEPTANCE

Ductwork Requirements

DUCTWORK IS SHOWN IN SCHEMATIC FORM. ALL REQUIRED DUCT RISERS AND DROPS TO ALLOW GENERAL ROUTING DEPICTED MAY NOT BE SHOWN. PROVIDE OFFSETS AS REQUIRED TO MEET SPACE REQUIREMENTS AND TO AVOID INTERFERENCE WITH OTHER TRADES AND FIELD CONDITIONS. EXACT LOCATION OF THE DUCTWORK MAY VARY ACCORDING TO THE COORDINATED SPACE REQUIREMENTS. EACH TRADE SHALL BE TOTALLY RESPONSIBLE FOR COORDINATION WITH OTHER TRADES. NOTIFY ENGINEER OF CONDITIONS REPRESENTING SIGNIFICANT CHANGES TO THE DESIGNED ROUTING

COMPLY WITH NFPA 90A, "INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS," UNLESS OTHERWISE INDICATED

FABRICATE RECTANGULAR DUCTS, ELBOWS, TRANSITIONS, OFFSETS, BRANCH CONNECTIONS, AND OTHER CONSTRUCTION WITH GALVANIZED, SHEET STEEL, ACCORDING TO SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS--METAL AND FLEXIBLE." COMPLY WITH REQUIREMENTS FOR METAL THICKNESS, REINFORCING TYPES AND INTERVALS, TIE-ROD APPLICATIONS, AND JOINT TYPES AND INTERVALS

COORDINATE SIZE, QUANTITY, AND LOCATION OF ALL OPENINGS REQUIRED FOR DUCT AND PIPE PENETRATIONS THROUGH WALLS, FLOORS, AND ROOFS, WITH CONTRACTOR RESPONSIBLE FOR ROUGH FRAMING. COORDINATE LOCATION OF AIR INTAKES WITH EXHAUST AND PLUMBING VENTS SO THAT INTAKES ARE A MINIMUM OF 10 FEET FROM EXHAUST OPENINGS OR PLUMBING VENTS

INSTALL DUCTS IN LONGEST LENGTH POSSIBLE AND FEWEST POSSIBLE JOINTS. INSTALL FABRICATED FITTINGS FOR CHANGES IN DIRECTIONS, CHANGES IN SIZE AND SHAPE, AND CONNECTIONS

INSTALL DUCTS, UNLESS OTHERWISE INDICATED, VERTICALLY AND HORIZONTALLY, PARALLEL AND PERPENDICULAR TO BUILDING LINES; AVOID DIAGONAL RUNS UNLESS SPECIFICALLY INDICATED ON DRAWINGS

REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED DEVICES. COORDINATE MECHANICAL CEILING DEVICES SUCH AS DIFFUSERS AND REGISTERS WITH LIGHT FIXTURES, SPEAKERS, SPRINKLER HEADS, ETC.

ELECTRICAL EQUIPMENT SPACES: ROUTE DUCTWORK TO AVOID PASSING THROUGH TRANSFORMER VAULTS AND ELECTRICAL EQUIPMENT SPACES AND ENCLOSURES. AVOID ROUTING DUCTWORK DIRECTLY ABOVE ELECTRICAL EQUIPMENT UNLESS SPECIFICALLY INDICATED ON THE MECHANICAL DRAWINGS

NON-FIRE-RATED PARTITION PENETRATIONS: WHERE DUCTS PASS THROUGH INTERIOR PARTITIONS AND ARE EXPOSED TO VIEW IN MECHANICAL ROOMS, CONCEAL SPACE BETWEEN CONSTRUCTION OPENING AND DUCT OR DUCT INSULATION WITH SHEET METAL FLANGES OF SAME METAL THICKNESS AS DUCT. OVERLAP OPENING ON FOUR SIDES BY AT LEAST 1-1/2 INCHES UNLESS INDICATED OTHERWISE

FIRE-RATED PARTITION PENETRATIONS: WHERE DUCTS PASS THROUGH INTERIOR PARTITIONS, INSTALL APPROPRIATELY RATED FIRE DAMPER. FIRE DAMPER INSTALLATION MUST STRICTLY ADHERE TO MANUFACTURER'S WRITTEN INSTRUCTIONS

PROVIDE MANUAL VOLUME-CONTROL BALANCING DAMPER AT ALL BRANCH DUCTS AND AT ALL OTHER LOCATIONS REQUIRED FOR A COMPLETE AND BALANCEABLE AIR DISTRIBUTION SYSTEM

BALANCE ENTIRE AIR DISTRIBUTION SYSTEM TO AIRFLOW QUANTITIES INDICATED ON MECHANICAL DRAWINGS

FLEXIBLE DUCTWORK SHALL BE ALLOWED ONLY IN POSITIVE PRESSURE APPLICATIONS AT SUPPLY BRANCH RUNOUTS TO DIFFUSERS ABOVE ACCESSIBLE CEILINGS. FLEXIBLE DUCTWORK SHALL NOT EXCEED 36" IN LENGTH. 90 DEGREE TURNS WITH FLEXIBLE DUCTWORK SHALL NOT BE ALLOWED. UNDER NO CIRCUMSTANCES SHALL FLEXIBLE DUCTWORK BE ALLOWED IN NEGATIVE PRESSURE APPLICATIONS

Piping System Requirements

DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS. INDICATED LOCATIONS AND ARRANGEMENTS WERE USED TO SIZE PIPE AND CALCULATE FRICTION LOSS, EXPANSION, PUMP SIZING, AND OTHER DESIGN CONSIDERATIONS. INSTALL PIPING AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED BY ENGINEER

DELIVER PIPES AND TUBES WITH FACTORY-APPLIED END CAPS. MAINTAIN END CAPS THROUGH SHIPPING, STORAGE, AND HANDLING TO PREVENT PIPE END DAMAGE AND TO PREVENT ENTRANCE OF DIRT, DEBRIS, AND MOISTURE

COORDINATE PIPE ROUTINGS, CHASES, AND OPENINGS IN BUILDING STRUCTURE WITH ALL TRADES DURING PROGRESS OF CONSTRUCTION. COORDINATE INSTALLATION OF REQUIRED SUPPORTING DEVICES AND SET SLEEVES IN POURED-IN-PLACE CONCRETE AND OTHER STRUCTURAL COMPONENTS AS THEY ARE CONSTRUCTED

INSTALL PIPING IN CONCEALED LOCATIONS, UNLESS OTHERWISE INDICATED AND EXCEPT IN EQUIPMENT ROOMS AND SERVICE AREAS. INSTALL PIPING INDICATED TO BE EXPOSED AND PIPING IN EQUIPMENT ROOMS AND SERVICE AREAS AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE PROHIBITED UNLESS SPECIFICALLY INDICATED OTHERWISE

INSTALL PIPING ABOVE ACCESSIBLE CEILINGS TO ALLOW SUFFICIENT SPACE FOR CEILING PANEL REMOVAL

INSTALL PIPING TO PERMIT VALVE SERVICING

INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS

INSTALL PIPING TO ALLOW APPLICATION OF INSULATION

INSTALL ESCUTCHEONS FOR PENETRATIONS OF FINISHED WALLS, CEILINGS, AND FLOORS

SLEEVES ARE NOT REQUIRED FOR CORE-DRILLED HOLES.

PERMANENT SLEEVES ARE NOT REQUIRED FOR HOLES FORMED BY REMOVABLE PE SLEEVES

INSTALL SLEEVES FOR PIPES PASSING THROUGH CONCRETE AND MASONRY WALLS AND CONCRETE FLOOR AND ROOF SLABS.

UNDERGROUND, EXTERIOR-WALL PIPE PENETRATIONS: INSTALL CAST-IRON "WALL PIPES" FOR SLEEVES. SEAL PIPE PENETRATIONS USING MECHANICAL SLEEVE SEALS. SELECT SLEEVE SIZE TO ALLOW FOR 1-INCH ANNULAR CLEAR SPACE BETWEEN PIPE AND SLEEVE FOR INSTALLING MECHANICAL SLEEVE SEALS

FIRE-BARRIER PENETRATIONS: MAINTAIN INDICATED FIRE RATING OF WALLS, PARTITIONS, CEILINGS, AND FLOORS AT PIPE PENETRATIONS. SEAL PIPE PENETRATIONS WITH FIRESTOP MATERIALS.

VERIFY FINAL EQUIPMENT LOCATIONS FOR ROUGHING-IN.

Design Conditions

HVAC DESIGN LOAD CALCULATIONS ARE BASED ON THE FOLLOWING CLIMATE DATA:

CITY AND STATE: CHAMPAIGN, IL

WINTER OUTDOOR AMBIENT DB/WB: -3.0 / -4.4

SUMMER OUTDOOR AMBIENT DB/WB: 95.0 / 75.0

MECHANICAL SYSTEMS HAVE BEEN DESIGNED BASED UPON THE 2012 INTERNATIONAL MECHANICAL CODE, 2012 INTERNATIONAL ENERGY CONSERVATION CODE, NATIONAL FIRE PROTECTION (NFPA) STANDARDS, AND ACCEPTED AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR-CONDITIONING ENGINEERS (ASHRAE) ACCEPTED STANDARDS AND PRACTICES

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ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

BID SET

PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	DRR/DPS
Reviewed:	RDL
Book No.: -	Field: -

SHEET TITLE:

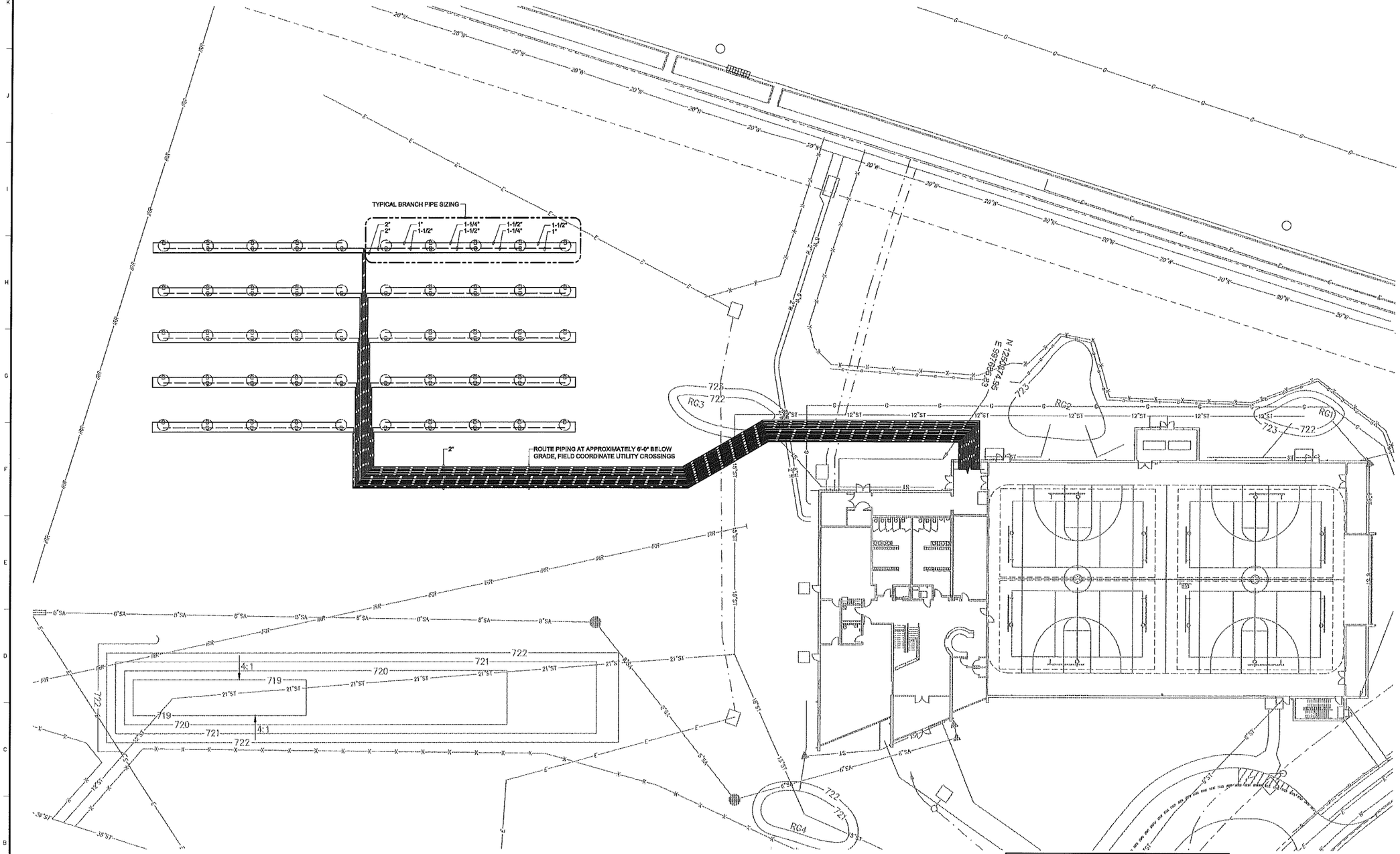
MECHANICAL NOTES, SYMBOLS, & ABBREVIATIONS

SHEET NUMBER:

M0.1

Project No.: 0111316.00

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BORE HOLE SCHEDULE

NUMBER OF BORE HOLES	50
BORE HOLE SPACING	20'
BORE HOLE DEPTH	300'
PIPE TYPE/ DIAMETER	1" HDPE
ESTIMATED THERMAL CONDUCTIVITY	1.37 BTU/HR-FT-°F
GROUT CONDUCTIVITY	SEE SPECIFICATIONS
FLUID	25% PROPYLENE GLYCOL
FLUID FLOW RATE	3.7 GPM
SYSTEM PRESSURE	50 PSIG

1 **Mechanical Site Plan**
Scale: 1"=250'

0 25 50 100 NORTH

ENGINEERS
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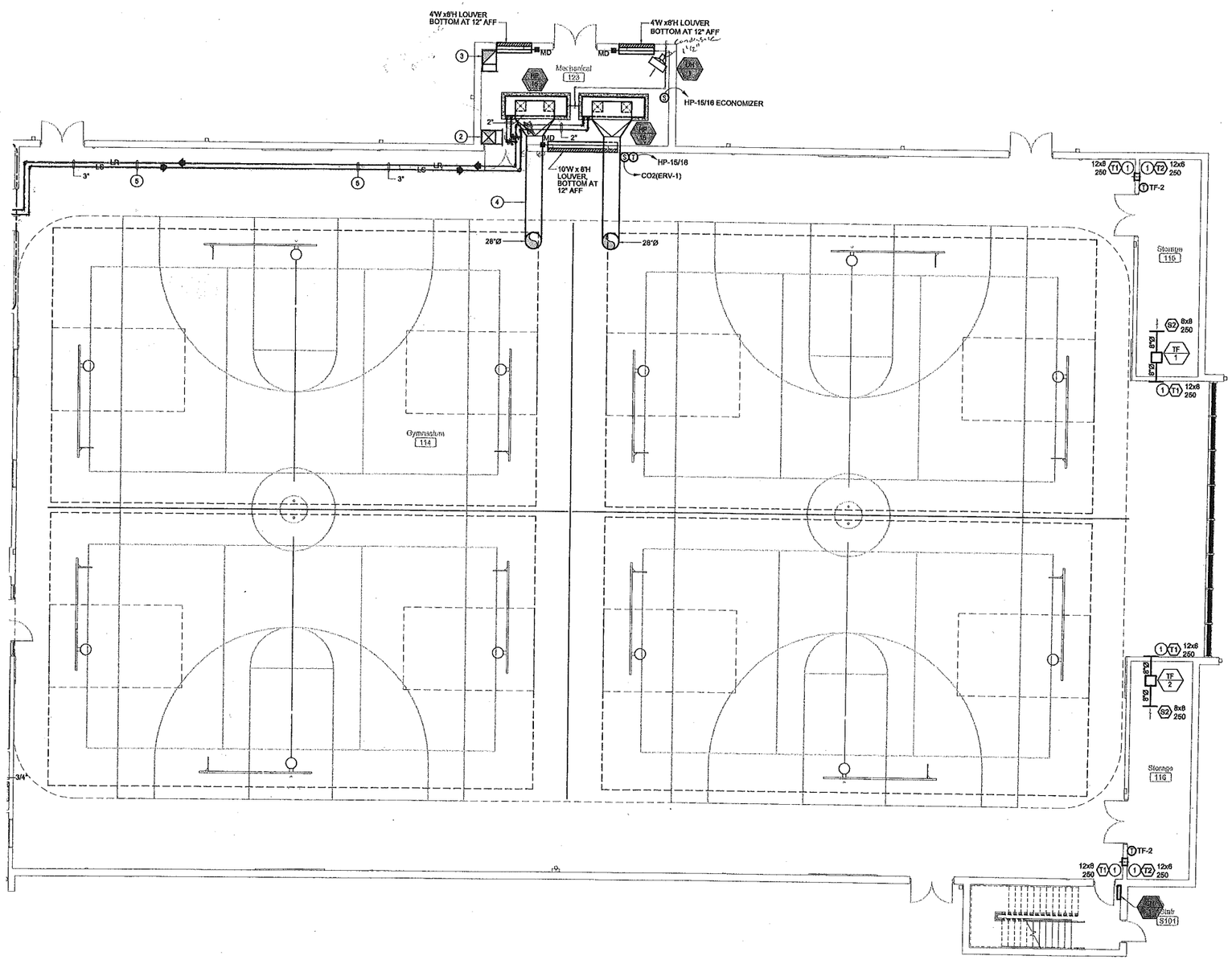
Date:	05/01/13
Design/Drawn:	DDR
Reviewed:	RDL
Book No.: -	Field: -

SHEET TITLE:
MECHANICAL SITE PLAN

SHEET NUMBER:
MS1.1

Project No.: 0111316.00

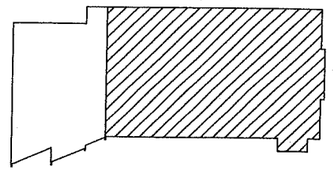
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Keyed Notes (#)

1. MOUNT TRANSFER GRILLE WITH BOTTOM OF GRILLE 7'-6" AFF.
2. 24x24 FFA, ELBOW 90° AND TERMINATE WITH DUCT OPEN TO SPACE. PROTECT OPENING PER DETAIL 5, SHEET M2.1.
3. 24x24 TFA, ELBOW 90° AND TERMINATE WITH DUCT OPEN TO SPACE. PROTECT OPENING PER DETAIL 5, SHEET M2.1.
4. ROUTE HORIZONTAL DUCT TIGHT TO BOTTOM OF STRUCTURE BELOW TRACK
5. ROUTE PIPING TIGHT TO BOTTOM OF STRUCTURE BELOW TRACK

1 **First Floor Mechanical Plan - Gym**
Scale: 1/8"=1'-0"



Key Plan
Scale: None

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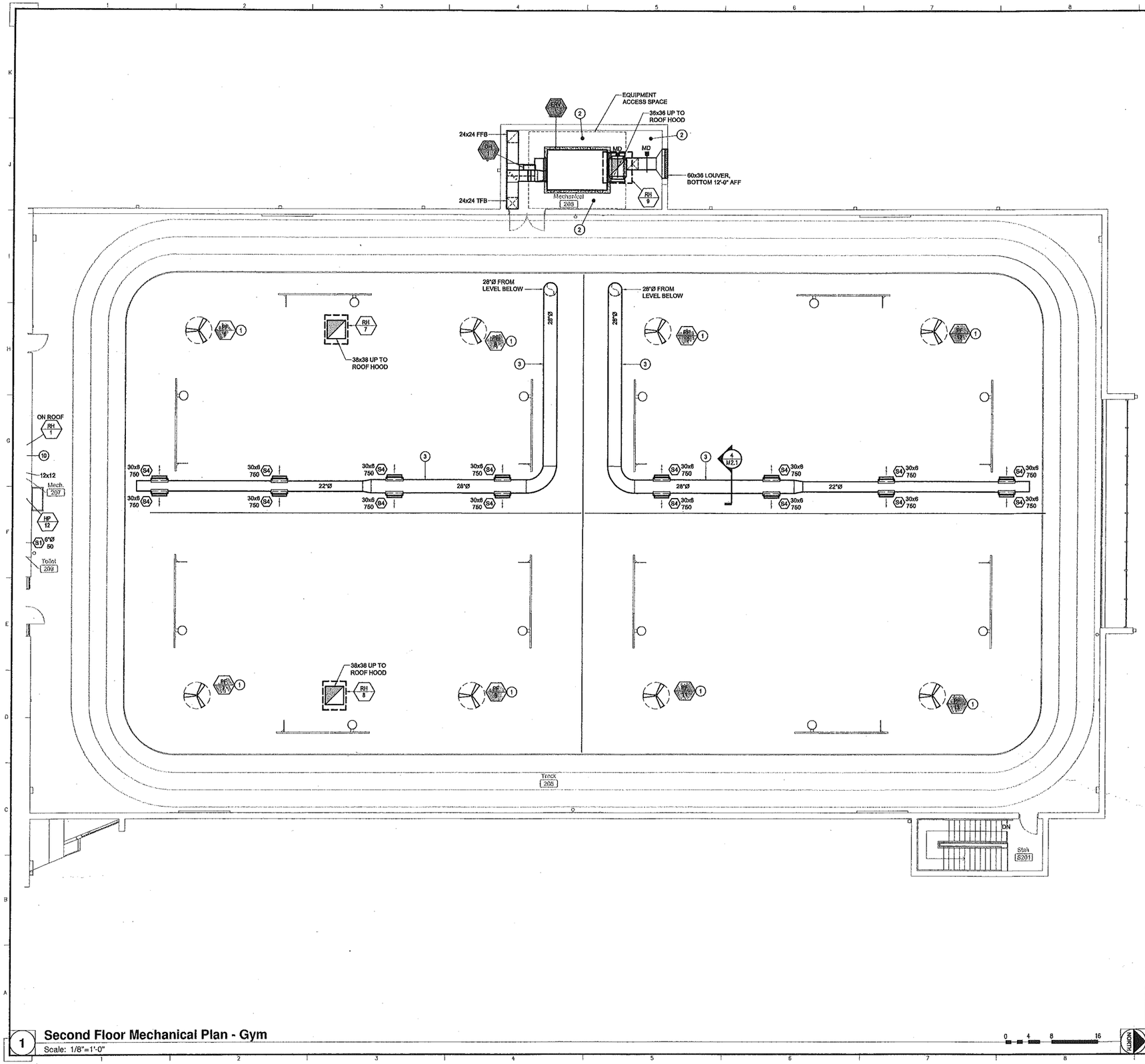
FIRST FLOOR MECHANICAL PLAN - GYM

SHEET NUMBER:

M1.1

Project No.: 0111316.00

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Keyed Notes (#)

1. PADDLE FAN TO BE MOUNTED WITH BOTTOM AT SAME HEIGHT AS BOTTOM OF TRUSSES.
2. MAINTAIN ADEQUATE WALK SPACE TO ALLOW ACCESS TO REAR OR ERV UNIT FOR MAINTENANCE. WALK SPACE TO HAVE MINIMUM 7'-0" CLEAR BELOW DUCT, SUPPORTS, AND ACCESSORIES.
3. ROUTE DUCT IN TRUSSES. COORDINATE WITH STRUCTURAL PLANS.

1 **Second Floor Mechanical Plan - Gym**
Scale: 1/8"=1'-0"

0 4 8 16

Key Plan
Scale: None

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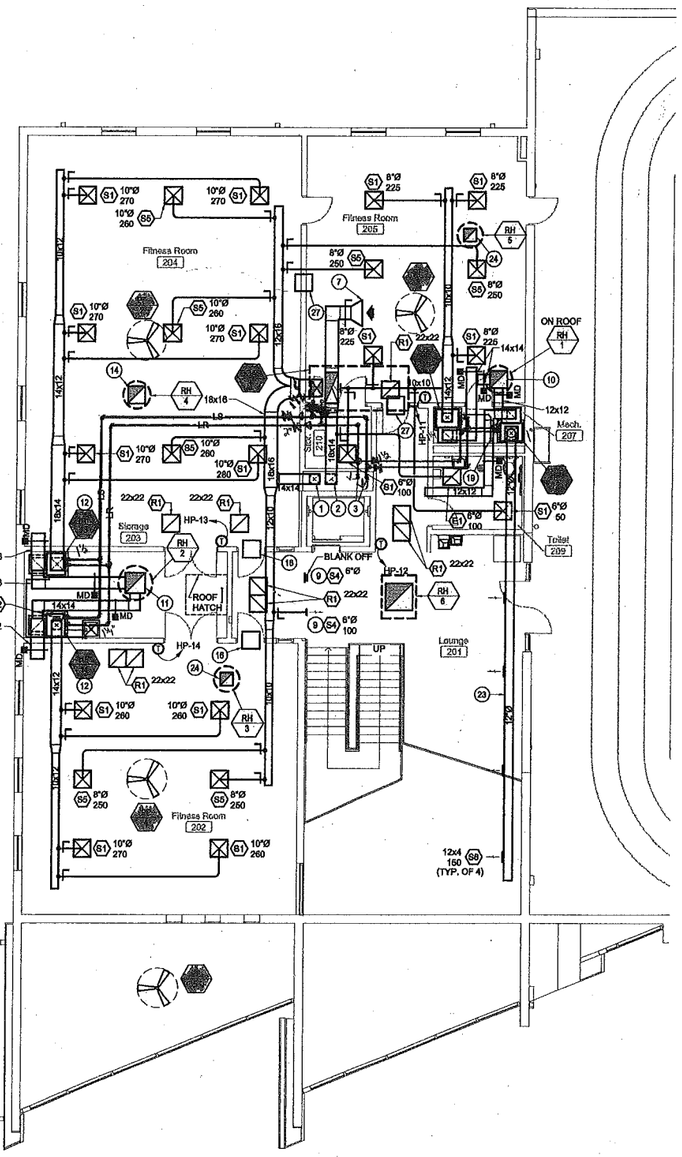
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Book No.: -	Field: -

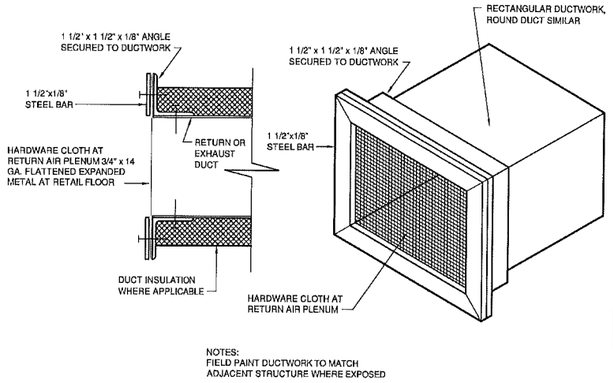
SHEET TITLE:
SECOND FLOOR MECHANICAL PLAN - GYM

SHEET NUMBER:
M1.2

Project No.: 0111316.00

[X:\first floor_\0111316.00-ve first floor plan | \\0111316.00-ve second floor plan | \\0111316.00-ve second floor rcp | \\0111316.00-ve first floor rcp | \\0111316.00-ve roof plan | 0111316.00-ve1 lighting | \\0111316.00-ve1 electrical first floor lighting plan | \\Vaeness mechanical site plans | 0111316.00-m2 power | 0111316.00-p1 plumbing plans | | mbossie | P:\2011\0111316.00-champaign Recreation Center\Dwg\Sheets\0111316.00-m1 Mechanical Plan1.dwg | 4/30/2013 11:04 AM]

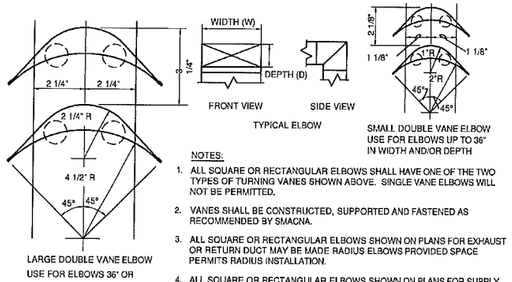

Fitness Room 205
Fitness Room 204
Storage 203
Lounge 201
Fitness Room 202
ROOF HATCH
BLANK OFF
ON ROOF RH 1
RH 2
RH 3
RH 4
RH 5
RH 6
HP-13
HP-14
HP-12
Mech. 207
Toilet 209
UP
MD
MD/R
MD/O
MD/RO
MD/OR
MD/RO
MD/OR
MD/RO
MD/OR



NOTES:
FIELD PAINT DUCTWORK TO MATCH ADJACENT STRUCTURE WHERE EXPOSED

5 Duct Open to Plenum/Space

Scale: Not To Scale

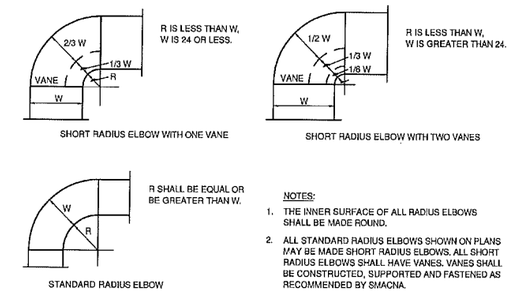


NOTES:

1. ALL SQUARE OR RECTANGULAR ELBOWS SHALL HAVE ONE OF THE TWO TYPES OF TURNING VANES SHOWN ABOVE. SINGLE VANE ELBOWS WILL NOT BE PERMITTED.
2. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.
3. ALL SQUARE OR RECTANGULAR ELBOWS SHOWN ON PLANS FOR EXHAUST OR RETURN DUCT MAY BE MADE RADIUS ELBOWS PROVIDED SPACE PERMITS RADIUS INSTALLATION.
4. ALL SQUARE OR RECTANGULAR ELBOWS SHOWN ON PLANS FOR SUPPLY DUCT MAY BE MADE RADIUS ELBOWS PROVIDED SPACE PERMITS RADIUS INSTALLATION AND/OR THERE ISN'T AN OUTLET OR TAKE-OFF WITHIN 5D ON THE DOWNSTREAM SIDE OF THE ELBOW.

3 Turning Vanes Detail

Scale: Not To Scale

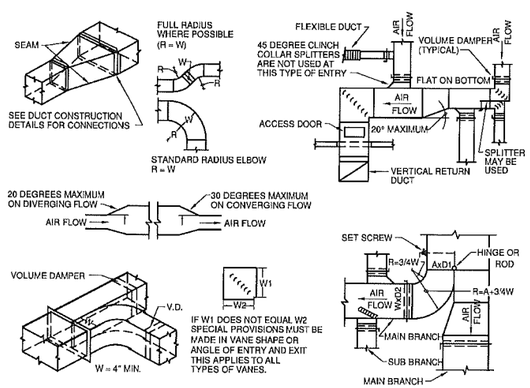


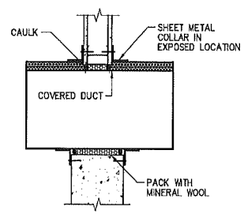
NOTES:

1. THE INNER SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS SHOWN ON PLANS MAY BE MADE SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

2 Standard Elbow Radius Detail

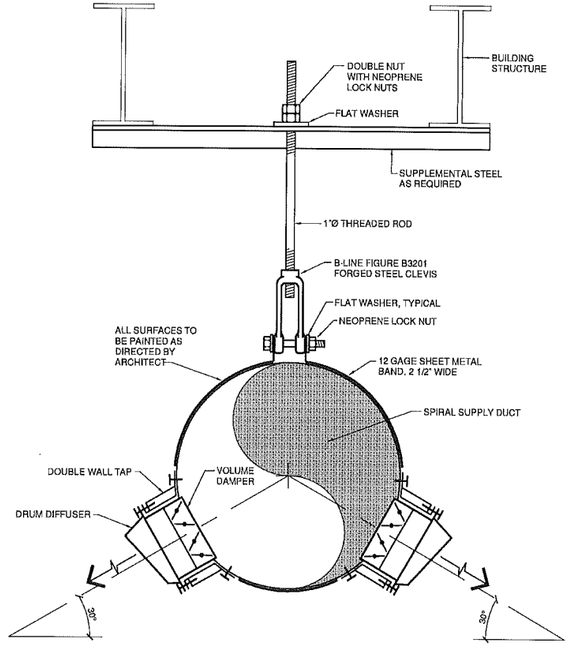
Scale: Not To Scale





6 Duct Wall Penetration Detail

Scale: Not To Scale



4 Exposed Duct

Scale: Not To Scale

1 Typical Duct Construction

Scale: Not To Scale

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Book No.: -	Field: -

SHEET TITLE:

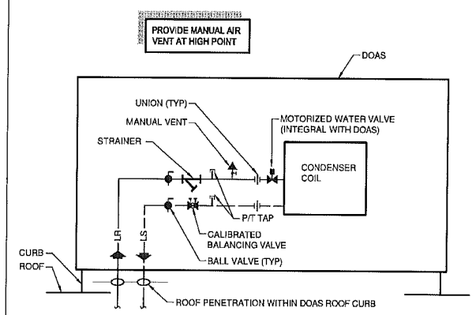
MECHANICAL DETAILS

SHEET NUMBER:

M2.1

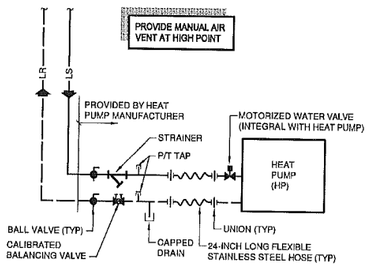
Project No.: 0111316.00

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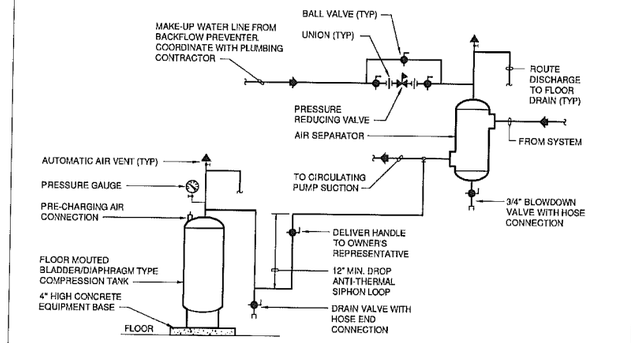
7 DOAS Schematic Piping Diagram

Scale: Not To Scale



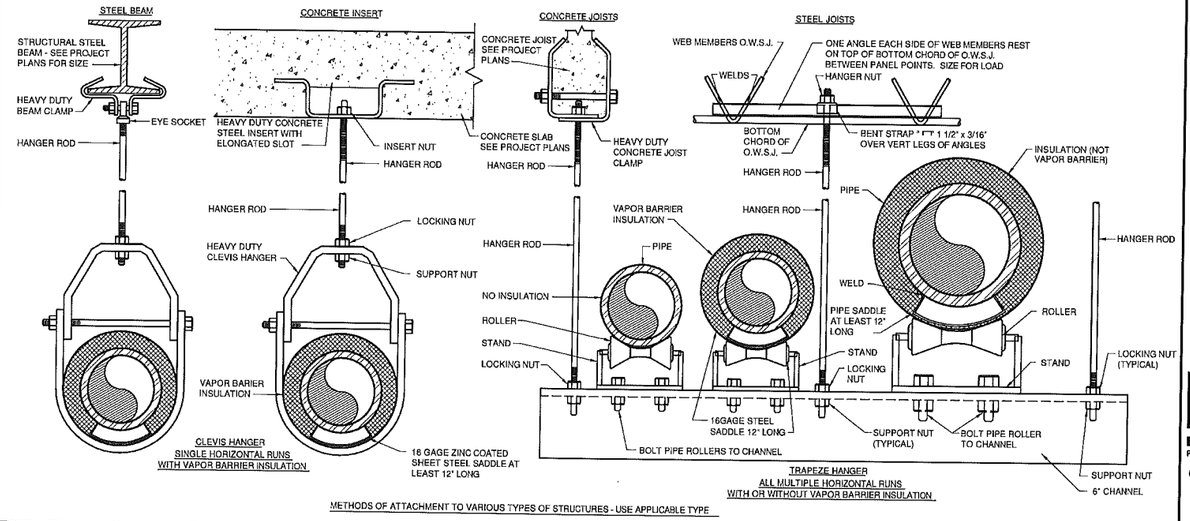
4 Heat Pump Schematic Piping Diagram

Scale: Not To Scale



3 Air Elimination, Expansion, & Make-up Water System Detail

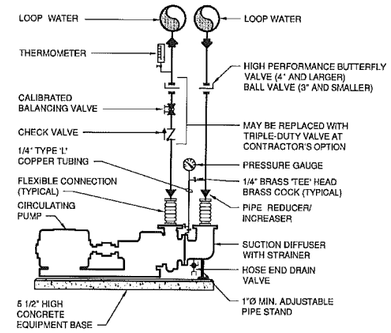
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METHODS OF ATTACHMENT TO VARIOUS TYPES OF STRUCTURES - USE APPLICABLE TYPE

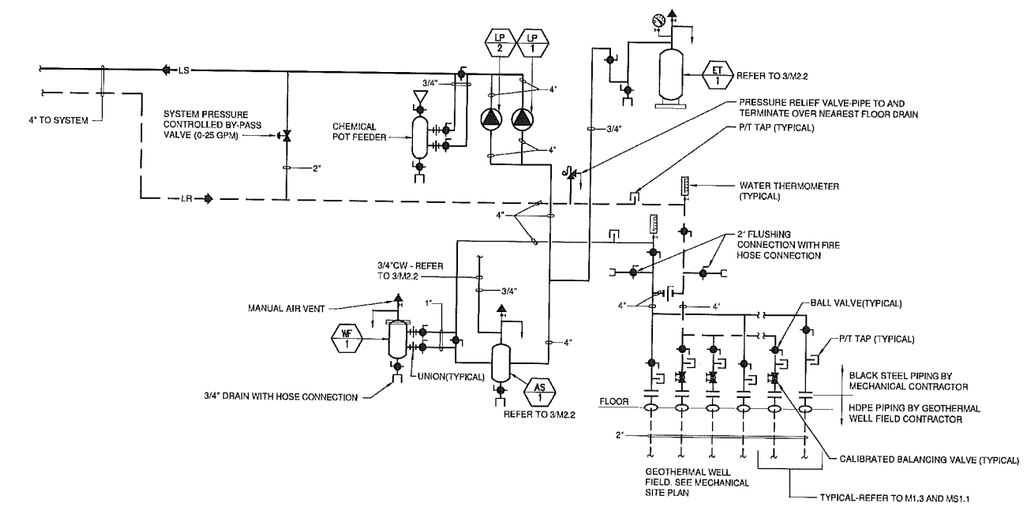
2 Piping Support Detail

Scale: Not To Scale



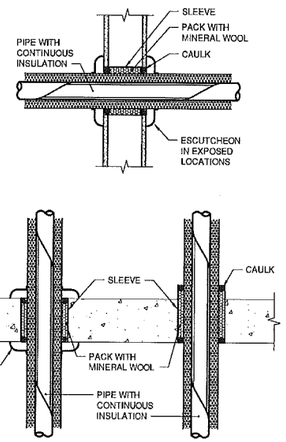
6 End Suction Pump Piping Detail

Scale: Not To Scale



1 Geothermal Piping Detail

Scale: Not To Scale



5 Wall and Floor Penetration Details

Scale: Not To Scale

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CHAMPAIGN PARK DISTRICT

BID SET

PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	DRR/DPS
Reviewed:	RDL
Book No.: -	Field: -

SHEET TITLE:

MECHANICAL DETAILS

SHEET NUMBER:

M2.2

Project No.: 0111316.00

XRef Files
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HEAT PUMP SCHEDULE

MARK	LOCATION	SERVICE	MANUFACTURER	MODEL	ARRANGEMENT	SUPPLY AIR VOLUME (CFM)	EXTERNAL STATIC PRESSURE (IN. WC)	OUTDOOR AIR VOLUME (CFM)	UNIT WEIGHT (LB.)	DIMENSIONS W x D x H (INCHES)	BLOWER MOTOR		BOOSTER COIL	ELECTRICAL DATA			COOLING CAPACITY *				HEATING CAPACITY *				CONDENSER DATA				REMARKS
											HP	FLA	KW	VOLTS / PH	MCA	MOCP	TOTAL (MBH)	SENSIBLE (MBH)	EAT (DEG. F) DB /WB	EER @ 90 DEG. F EWT	TOTAL (MBH)	EAT (DEG. F) DB	LAT (DEG. F) DB	COP @ 40 DEG. F EWT	FLUID FLOW (GPM)	PRES. DROP (FT. WC)	THR @ 80 DEG. F EWT	THA @ 40 DEG. F EWT	
HP-1	MECHANICAL 113	MECHANICAL 113	CLIMATE MASTER	TSV009	VERTICAL	280	0.25	-	156	22-1/2 x 21-1/2 x 34-1/2	1/20	0.4	-	208 / 1	5.3	15	6.2	5.6	76.0 / 63.5	13.0	7.8	68.0	93.8	3.6	2.1	7.1	11.3	6.0	1,2,7,8,10
HP-2	MECHANICAL 113	OFFICE 112 / 109 /110	CLIMATE MASTER	TSV018	VERTICAL	580	0.40	-	257	22-1/2 x 21-1/2 x 44-1/2	1/2	3.9	-	208 / 1	16.2	20	14.5	11.3	76.0 / 63.5	13.6	15.3	68.0	92.4	3.5	4.1	6.8	21.8	11.7	1,3,7,8
HP-3	MECHANICAL 118	IT 119	CLIMATE MASTER	TSV024	VERTICAL	850	0.30	-	266	22-1/2 x 21-1/2 x 48-1/2	1/2	3.9	-	208 / 3	13.9	20	23.5	16.9	76.0 / 63.5	13.9	20.4	68.0	90.2	3.7	4.0	3.7	29.1	16.0	1,3,7,8
HP-4	MECHANICAL 118	MECHANICAL 118	CLIMATE MASTER	TSV009	VERTICAL	280	0.25	-	156	22-1/2 x 21-1/2 x 34-1/2	1/20	0.4	-	208 / 1	5.3	15	6.2	5.6	76.0 / 63.5	13.0	7.8	68.0	93.6	3.6	2.1	7.1	11.3	6.0	1,2,7,8,10
HP-5	ELECTRICAL 108	ELECTRICAL 108	CLIMATE MASTER	TSV009	VERTICAL	280	0.25	-	156	22-1/2 x 21-1/2 x 34-1/2	1/20	0.4	-	208 / 1	5.3	15	6.2	5.6	76.0 / 63.5	13.0	7.8	68.0	93.8	3.6	2.1	7.1	11.3	6.0	1,2,7,8,10
HP-6	STORAGE 105	CLASSROOM 107	CLIMATE MASTER	TSV036	VERTICAL	1,100	0.60	-	327	25-1/2 x 30-1/2 x 60-1/2	1/2	3.9	-	208 / 3	16.9	25	31.5	17.0	76.0 / 63.5	15.4	27.4	68.0	91.0	4.1	6.9	11.4	38.8	22.2	1,5,7,8
HP-7	JANITORS 106	RECEPTION 102	CLIMATE MASTER	TSV030	VERTICAL	950	0.70	-	269	22-1/2 x 21-1/2 x 48-1/2	1/2	3.9		208 / 3	14.3	20	23.8	19.7	76.0 / 63.5	13.9	24.9	68.0	92.3	4.0	6.0	9.9	34.2	19.7	1,5,7,8
HP-8	STORAGE 105	INDOOR PLAY 103	CLIMATE MASTER	TSV070	VERTICAL	2,250	0.60	-	443	25-1/2 x 30-1/2 x 58-1/2	1	6.9	-	208 / 3	32.5	50	66.0	43.9	78.0 / 63.5	13.6	58.5	68.0	92.1	3.8	12.4	18.0	83.7	46.4	1,6,7,8
HP-9	MANAGERS 117	MANAGERS 117	CLIMATE MASTER	TSV009	VERTICAL	280	0.35	-	156	22-1/2 x 21-1/2 x 34-1/2	1/20	0.4	-	208 / 1	5.3	15	6.2	5.6	76.0 / 63.5	13.0	7.8	68.0	93.8	3.6	2.1	7.1	11.3	6.0	1,2,7,8,10
HP-10	VESTIBULE 101	VESTIBULE 101	CLIMATE MASTER	TRC18	CONSOLE	620	---	-	220	54 x 12 x 26		0.7	-	208 / 1	9.2	15	14.1	13.1	76.0 / 63.5	11.6	16.1	68.0	92.0	3.8	3.4	14.7	19.7	12.6	1,3,7,8
HP-11	MECH. 201A	CLASSROOM 205	CLIMATE MASTER	TSV042	VERTICAL	1,040	0.45	-	414	25-1/2 x 30-1/2 x 54-1/2	1/2	3.9	-	208 / 3	18.9	25	38.4	18.8	76.0 / 63.5	15.8	32.7	68.0	90.8	3.8	11.0	15.1	43.3	25.7	1,5,7,8
HP-12	MECH. 201A	LOUNGE 201	CLIMATE MASTER	TSV018	VERTICAL	600	0.45	-	257	22-1/2 x 21-1/2 x 44-1/2	1/2	3.9	-	208 / 1	15.2	20	14.6	13.1	76.0 / 63.5	13.7	15.5	68.0	91.6	3.5	4.1	6.8	23.7	11.7	1,3,7,8
HP-13	STORAGE 203	STORAGE 203	CLIMATE MASTER	TSV060	VERTICAL	1,630	0.55	-	441	25-1/2 x 30-1/2 x 58-1/2	1	6.9	-	208 / 1	28.9	45	63.5	35.1	76.0 / 63.5	15.7	49.8	68.0	96.3	4.0	15.0	20.3	71.7	39.2	1,6,7,8
HP-14	STORAGE 203	STORAGE 203	CLIMATE MASTER	TSV042	VERTICAL	1,160	0.60	-	414	25-1/2 x 30-1/2 x 54-1/2	1/2	3.9	-	208 / 3	18.9	25	42.2	23.5	76.0 / 63.5	15.8	33.0	68.0	94.6	3.8	11.0	15.1	43.7	26.1	1,5,7,8
HP-15	GYM MECH. RM.	GYM MECH. RM.	CLIMATE MASTER	TLV192	VERTICAL	6,000	1.20	-	1,600	107 x 34 x 79	3	4.3	-	460 / 3	31.8	40	182.9	131.4	77.7 / 64.5	11.8	162.0	60.1	85.1	3.6	36.0	4.3	225.0	117.9	1,7,8,9
HP-16	GYM MECH. RM.	GYM MECH. RM.	CLIMATE MASTER	TLV192	VERTICAL	6,000	1.20	-	1,600	107 x 34 x 79	3	4.3	-	460 / 3	31.8	40	182.9	131.4	77.7 / 64.5	11.8	162.0	60.1	85.1	3.6	36.0	4.3	225.0	117.9	1,7,8,9
																	720.7				648.8				158.2		904.9	491.1	

* UNIT CAPACITIES BASED ON 25% PROPYLENE GLYCOL SOLUTION.

NOTES:
1. FLEXIBLE CONNECTION AT AIR INLET AND OUTLET CONNECTIONS.
2. NEOPRENE / RUBBER MOUNTING PADS AND 4-INCH HIGH CONCRETE EQUIPMENT BASE FOR VERTICAL FLOOR MOUNTED UNITS.
3. 3/4-INCH DIAMETER 24-INCH LONG FLEXIBLE STAINLESS STEEL HOSES FOR FLUID SUPPLY AND FLUID RETURN. PROVIDE BALL VALVE, PRESSURE / TEMPERATURE TAPS, CONTROL VALVE, AND SWIVEL ON SUPPLY SIDE. PROVIDE BALL VALVE, PRESSURE/ TEMPERATURE TAPS, CALIBRATED BALANCING VALVE, AND SWIVEL ON RETURN SIDE.
4. 1-INCH DIAMETER 24-INCH LONG FLEXIBLE STAINLESS STEEL HOSES FOR FLUID SUPPLY AND FLUID RETURN. PROVIDE BALL VALVE, PRESSURE / TEMPERATURE TAPS, CONTROL VALVE, AND SWIVEL ON SUPPLY SIDE. PROVIDE BALL VALVE, PRESSURE/ TEMPERATURE TAPS, CALIBRATED BALANCING VALVE, AND SWIVEL ON RETURN SIDE.
5. 1 1/4-INCH DIAMETER 24-INCH LONG FLEXIBLE STAINLESS STEEL HOSES FOR FLUID SUPPLY AND FLUID RETURN. PROVIDE BALL VALVE, PRESSURE / TEMPERATURE TAPS, CONTROL VALVE, AND SWIVEL ON SUPPLY SIDE. PROVIDE BALL VALVE, PRESSURE/ TEMPERATURE TAPS, CALIBRATED BALANCING VALVE, AND SWIVEL ON RETURN SIDE.
6. 1-1/2-INCH DIAMETER 24-INCH LONG FLEXIBLE STAINLESS STEEL HOSES FOR FLUID SUPPLY AND FLUID RETURN. PROVIDE BALL VALVE, PRESSURE / TEMPERATURE TAPS, CONTROL VALVE, AND SWIVEL ON SUPPLY SIDE. PROVIDE BALL VALVE, PRESSURE/ TEMPERATURE TAPS, CALIBRATED BALANCING VALVE, AND SWIVEL ON RETURN SIDE.
7. 2-INCH DIAMETER 24-INCH LONG FLEXIBLE STAINLESS STEEL HOSES FOR FLUID SUPPLY AND FLUID RETURN. PROVIDE BALL VALVE, PRESSURE / TEMPERATURE TAPS, CONTROL VALVE, AND SWIVEL ON SUPPLY SIDE. PROVIDE BALL VALVE, PRESSURE/ TEMPERATURE TAPS, CALIBRATED BALANCING VALVE, AND SWIVEL ON RETURN SIDE.
8. CONDENSATE DRAIN WITH TRAP AND VENT.
9. STAND-ALONE CONTROLLER. ROOM THERMOSTAT SHALL HAVE TEMPERATURE AND SETPOINT ADJUSTMENT (LIMITED TO +/- 3°F OF CONTROL). INTERFACE WITH BUILDING AUTOMATION SYSTEM.
10. CONDENSATE PUMP P-1

DEDICATED OUTDOOR AIR SYSTEM SCHEDULE

MARK	LOCATION	SERVICE	MANUFACTURER	MODEL	WEIGHT (LB)	SUPPLY / OUTDOOR AIR STREAM			RETURN / EXHAUST AIR STREAM			UNIT ELECTRICAL DATA			COOLING CAPACITY *				HEATING CAPACITY *			CONDENSER DATA				REMARKS
						AIR FLOW (CFM)	EXTERNAL STATIC PRES. (IN. WC)	FAN MOTOR HP	AIR FLOW (CFM)	EXTERNAL STATIC PRES. (IN. WC)	FAN MOTOR HP	VOLTS / PH	MCA	MOCP	TOTAL (MBH)	SENSIBLE (MBH)	EAT (DEG. F) DB /WB	EER	TOTAL (MBH)	EAT (DEG. F) DB	COP	FLUID FLOW (GPM)	PRES. DROP (FT. WC)	THR @ 90 DEG. F EWT	
DOAS-1	CLASSROOM ROOF	VENTILATION	CLIMATE MASTER	TOHW08	3,000	3,000	1.20	3	2,700	0.60	2	460 / 3	30	35	128.6	81.9	81.2 / 68.4		78.7	44.0	3.3	26.0	12.5	140.0	

* DESIGN BASED ON INDOOR CONDITIONS OF 75 DEGREES F db @ 50% rh IN SUMMER AND 72 DEGREES F db @ 35 % rh IN WINTER. COOLING AND HEATING CAPACITY ENTERING AIR TEMPERATURES ARE THE LEAVING AIR TEMPERATURES REQUIRED FROM THE ENERGY WHEEL. CAPACITIES BASED ON 25% PROPYLENE GLYCOL SOLUTION.

NOTES:
1. PROVIDE 2-INCH DIAMETER 36-INCH LONG FLEXIBLE STAINLESS STEEL HOSES FOR FLUID SUPPLY AND FLUID RETURN. PROVIDE BALL VALVE, PRESSURE / TEMPERATURE TAPS, CONTROL VALVE, AND SWIVEL ON SUPPLY SIDE. PROVIDE BALL VALVE, PRESSURE / TEMPERATURE TAPS, CALIBRATED BALANCING VALVE, AND SWIVEL ON RETURN SIDE.
2. 16-INCH HIGH INSULATED ROOF CURB.
3. ENERGY RECOVERY SECTION

ENERGY RECOVERY VENTILATOR SCHEDULE

MARK	MANUFACTURER	MODEL	LOCATION	SERVICE	OUTDOOR DESIGN				INDOOR DESIGN				SUPPLY CONDITIONS				AIR PERFORMANCE						ELECTRICAL					PHYSICAL DATA				REMARKS
					SUMMER		WINTER		SUMMER		WINTER		SUMMER		WINTER		SUPPLY FAN			EXHAUST FAN												
					DB	WB	DB	WB	DB	RH	DB	RH	DB	WB	DB	WB	CFM	ESP	HP	CFM	ESP	HP	V	PH	FLA (EACH)	MCA	MOCP	L	W	H	WT	
ERV-1	GREENHECK	ERV-522S-15-A	GYM MECH. RM.	GYM	95.0	75.0	-3.0	-4.4	75.0	50.0	70.0	35.0	79.8	65.9	51.0	43.0	5,500	0.50	5	5,250	0.50	5	460	3	-	17.9	25	124	84	64	3,000	1
NOTES: 1. MANUFACTURER'S VFD ON SUPPLY AND EXHAUST FANS																																

PUMP SCHEDULE

MARK	LOCATION	SERVICE	MANUFACTURER	MODEL	ARRANGEMENT	TYPE	FLUID FLOW (GPM)*	PRESSURE (FT. WC)	PUMP EFFICIENCY	FLUID OPER. TEMP. (°F)	MOTOR			REMARKS
											HP	RPM	VOLTS / PH	
LP-1	MECHANICAL 113	LOOP PUMP	ITT BELL & GOSSETT	1510 - 3E	BASE MOUNTED	END-SUCTION, CENT.	180	75	67%	40-80	10	1750	480 / 3	1
LP-2	MECHANICAL 113	LOOP PUMP	ITT BELL & GOSSETT	1510 - 3E	BASE MOUNTED	END-SUCTION, CENT.	180	75	67%	40-80	10	1750	480 / 3	1
P-1	VARIOUS	CONDENSATE	LITTLE GIANT	VCMA-15 ULS	VERTICAL PUMP	LOW PROFILE	0.25	12	-	50 - 70	1/50	-	120 / 1	3

NOTES: *25% PROPYLENE GLYCOL SOLUTION
1. VARIABLE FREQUENCY DRIVE.
2. STAND-BY.
3. 1/2 GALLON RESERVOIR

AIR SEPARATOR SCHEDULE

MARK	LOCATION	SYSTEM	SIZE (INCHES)	DESIGN FLOW (GPM)	MAXIMUM PRES. DROP (FT. WC)	OPERATING WT. (LBS.)	MANUFACTURER	MODEL	REMARKS
AS-1	MECH. ROOM 113	LOOP WATER	4	185	1.0	280	ITT BELL & GOSSETT	RL-4	

EXPANSION TANK SCHEDULE

MARK	LOCATION	SERVICE	MANUFACTURER	MODEL	TYPE	MINIMUM ACCEPTANCE (GAL.)	MIN. TANK VOLUME (GAL.)	DIMENSIONS (DIA. X H)	FULL WEIGHT (LBS.)	DESIGN OPERATING PRESS. (PSI)	FILL PRESSURE (PSI)	RELIEF PRESSURE (PSI)	REMARKS
ET-1	MECH. ROOM 113	LOOP WATER	ITT BELL & GOSSETT	B-200	BLADDER	18	32	24 x 37	629	50	12	60	

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#	Date:	Description

CHAMPAIGN PARK DISTRICT

BID SET

PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	DRR/DPS
Reviewed:	RDL
Book No.:	- Field: -

SHEET TITLE:

MECHANICAL SCHEDULES

SHEET NUMBER:

M3.1

Project No.: 0111316.00

Xref Tree:
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DUCT HEATER SCHEDULE

PLAN MARK	LOCATION	SERVICE	MANUFACTURER	TYPE	MOUNTING ARRANGEMENT	AIR FLOW (CFM)	MIN. FACE VELOCITY (FPM)	PRES. DROP (IN. WC)	SIZE L x W (IN.)	KW / SF OF FACE AREA	HEATING CAPACITY (MBH)	KW INPUT	VOLTAGE / PHASE	REMARKS
DH-1	GYM MECH. RM.	ERV-1	BRASCH	OPEN COIL	SLIP-IN	5,500		0.10			68.2	20.0	460 / 3	1,2

NOTES:
1. SCR CONTROLS
2. DUCT MOUTNED DISCHARGE AIR TEMPERATURE SENSOR

ELECTRIC HEATER SCHEDULE

MARK	LOCATION	MANUFACTURER	MODEL	ARRANGEMENT	AIR VOLUME (CFM)	HEATING CAPACITY		ENT. AIR TEMP. (DEG. F)	ELECTRICAL DATA		WEIGHT (LB.)	DIMENSIONS (INCHES)			REMARKS
						MBH	KW		AMPS	VOLTS / PH		LENGTH	WIDTH	DEPTH	
CH-1	STAIR S101	MARKEL	6333D05	SURFACE MOUNTED	250	17.0	5	60	7.8	480 / 3	100	33	25	9	1, 2
UH-1	MECHANICAL 106	MARKEL	F2FUH05C03	CEILING MOUNTED	400	17.0	5	60	14.0	208 / 3	44	20	11	13	1,2,3

NOTES:
1. FACTORY INSTALLED THERMOSTAT.
2. FACTORY INSTALLED UNIT DISCONNECT SWITCH.
3. MOUNT FROM STRUCTURE ABOVE

FAN SCHEDULE

MARK	MANUFACTURER	MODEL	LOCATION	SERVICE	AIR VOLUME (CFM)	TOTAL S.P. (IN. W.C.)	FAN RPM	SONES	ROOF/WALL OPENING	ELECTRICAL				WT. (LB.)	REMARKS
										HP	V	PH	FLA		
TF-1	FANTECH	FG6	STORAGE 115	TRANSFER AIR	250	0.20	2,700		-	72 WATTS	120	1	0.7	10	1,2
TF-2	FANTECH	FG6	STORAGE 116	TRANSFER AIR	250	0.20	2,700		-	72 WATTS	120	1	0.7	10	1,2

NOTES: 1. SOLID STATE SPEED CONTROL
2. DISCONNECT SWITCH

PADDLE FAN SCHEDULE

MARK	LOCATION	MANUFACTURER	MODEL / TYPE	BLADE DIA. (IN.)	CFM	WEIGHT (LB.)	MOTOR			REMARKS
							FLA	RPM	V / PH	
PF-1	CLASSROOM 107	LEADING EDGE	56001LC	56	25,500	24	1.0	265	120 / 1	1
PF-2	EXERCISE ROOM 204	LEADING EDGE	56001LC	56	25,500	24	1.0	265	120 / 1	1
PF-3	CLASSROOM 205	LEADING EDGE	56001LC	56	25,500	24	1.0	265	120 / 1	1
PF-4	EXERCISE ROOM 202	LEADING EDGE	56001LC	56	25,500	24	1.0	265	120 / 1	1
PF-5	INDOOR PLAY	LEADING EDGE	56001	56	27,500	24	1.0	275	120 / 1	1
PF-6	GYMNASIUM	LEADING EDGE	56001	56	27,500	24	1.0	275	120 / 1	2,3,4
PF-7	GYMNASIUM	LEADING EDGE	56001	56	27,500	24	1.0	275	120 / 1	2,3,4
PF-8	GYMNASIUM	LEADING EDGE	56001	56	27,500	24	1.0	275	120 / 1	2,3,4
PF-9	GYMNASIUM	LEADING EDGE	56001	56	27,500	24	1.0	275	120 / 1	2,3,4
PF-10	GYMNASIUM	LEADING EDGE	56001	56	27,500	24	1.0	275	120 / 1	2,3,5
PF-11	GYMNASIUM	LEADING EDGE	56001	56	27,500	24	1.0	275	120 / 1	2,3,5
PF-12	GYMNASIUM	LEADING EDGE	56001	56	27,500	24	1.0	275	120 / 1	2,3,5
PF-13	GYMNASIUM	LEADING EDGE	56001	56	27,500	24	1.0	275	120 / 1	2,3,5

NOTES: 1. MANUFACTURERS WALL MOUNTED SOLID STATE SPEED CONTROL (FOR UP TO 2 FANS), PROVIDED BY MC AND INSTALLED BY EC.
2. MANUFACTURERS WALL MOUNTED SOLID STATE SPEED CONTROL (FOR UP TO 6 FANS), PROVIDED BY MC AND INSTALLED BY EC.
3. FAN GUARD
4. PF-6, PF-7, PF-8, PF-9 CONTROLLED BY A SINGLE WALL CONTROL SWITCH
5. PF-10, PF-11, PF-12, PF-13 CONTROLLED BY A SINGLE WALL CONTROL SWITCH

AIR DEVICE SCHEDULE

MARK	MANUFACTURER	SERVICE	MODEL	STYLE	MAX. N.C.	MAX. P.D. (IN. W.G.)	MODULE SIZE (IN.)	FRAME TYPE	FINISH	MATERIAL	REMARKS
S1	TITUS	SUPPLY	TMS	LOUVER	25	0.1	24x24	LAY-IN	WHITE	STEEL	
S2	TITUS	SUPPLY	350RL	BAR	25	0.1	NECK+2	SURFACE	WHITE	STEEL	
S3	SEIHO	SUPPLY	NX	NOZZLE	25	0.1	VARIES	SURFACE	ANODIZED	STEEL	
S4	TITUS	SUPPLY	DL	DRUM	25	0.1	VARIES	DUCT MTD	CUSTOM	ALUMINUM	
S5	TITUS	SUPPLY	TDX	LOUVER	25	0.1	24x24	LAY-IN	WHITE	STEEL	
S6	TITUS	SUPPLY	S300FL	BAR	25	0.1	VARIES	DUCT MTD	CUSTOM	STEEL	
S7	TITUS	SUPPLY	350RL	BAR	25	0.1	NECK+2	DUCT MTD	WHITE	STEEL	
R1	TITUS	RETURN	PAR	PERFORATED	25	0.1	24x24	LAY-IN	WHITE	STEEL	
R2	TITUS	RETURN	355RL	BAR	25	0.1	NECK+2	SURFACE	WHITE	STEEL	
R3	TITUS	RETURN	355RL	BAR	25	0.1	NECK+2	DUCT MTD	WHITE	STEEL	
E1	TITUS	EXHAUST	PAR	PERFORATED	25	0.1	24x24	LAY-IN	WHITE	STEEL	
E2	TITUS	EXHAUST	355FL	BAR	25	0.1	NECK+2	SURFACE	WHITE	ALUMINUM	
T1	TITUS	TRANSFER	CT581	BAR	25	0.1	NECK+2	SURFACE	WHITE	ALUMINUM	
T2	TITUS	TRANSFER	355RL	BAR	25	0.1	NECK+2	SURFACE	WHITE	STEEL	

ROOF HOOD SCHEDULE

MARK	TYPE	SERVICE	MANUFACTURER	MODEL	C.F.M.	TOTAL S.P. (IN. OF W.C.)	THROAT SIZE (L x W) (IN.)	THROAT AREA (SQ. FT.)	THROAT VELOCITY (FPM)	ROOF CURB HEIGHT (IN.)	WEIGHT (LB.)	REMARKS
RH-1	INTAKE	HP-11 / HP-12 ECON.	GREENHECK	GRSI-24	1,640	0.045	24'Ø	3.2	506	16	30	
RH-2	INTAKE	HP-13 / HP-14 ECON.	GREENHECK	GRSI-28	2,780	0.076	30'Ø	5.0	552	16	40	
RH-3	RELIEF	ECON. RELIEF	GREENHECK	GRSR-20	1,160	0.03	20'Ø	2.3	511	14	25	1
RH-4	RELIEF	ECON. RELIEF	GREENHECK	GRSR-24	1,630	0.03	24'Ø	3.2	503	14	30	1
RH-5	RELIEF	ECON. RELIEF	GREENHECK	GRSR-20	1,040	0.03	20'Ø	2.3	462	14	25	1
RH-6	RELIEF	ECON. RELIEF	GREENHECK	FGR	4,900	0.06	38 x 38	10.0	489	14	130	1
RH-7	RELIEF	GYM ECON. RELIEF	GREENHECK	FGR	6,000	0.09	38 x 38	10.0	600	14	130	1
RH-8	RELIEF	GYM ECON. RELIEF	GREENHECK	FGR	6,000	0.09	38 x 38	10.0	600	14	130	1
RH-9	INTAKE	ERV-1 INTAKE	GREENHECK	FGR	5,500	0.09	36 x 36	9.0	611	14	110	

NOTES:
1. GRAVITY RELIEF DAMPER

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ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

BID SET

PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	DRR/DPS
Reviewed:	RDL
Book No.:	- Field: -

SHEET TITLE:

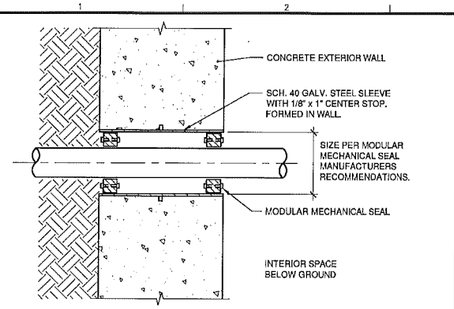
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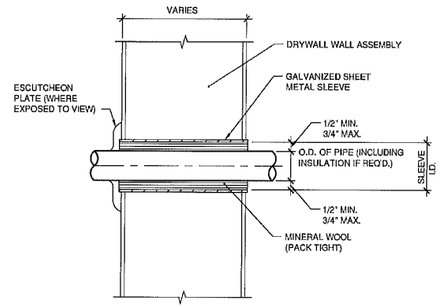
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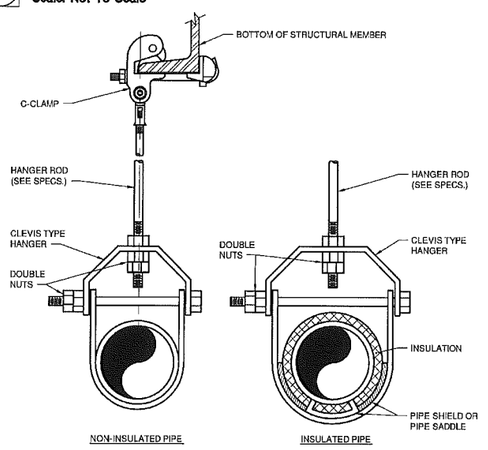
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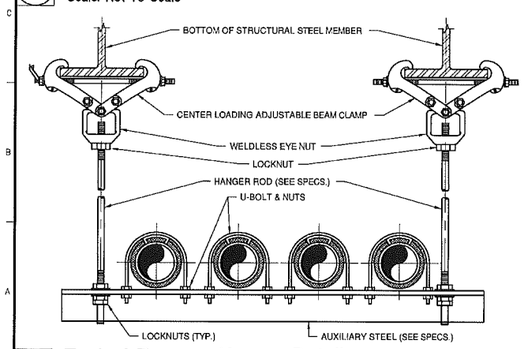
12 Exterior Wall / Foundation Wall Penetration Detail
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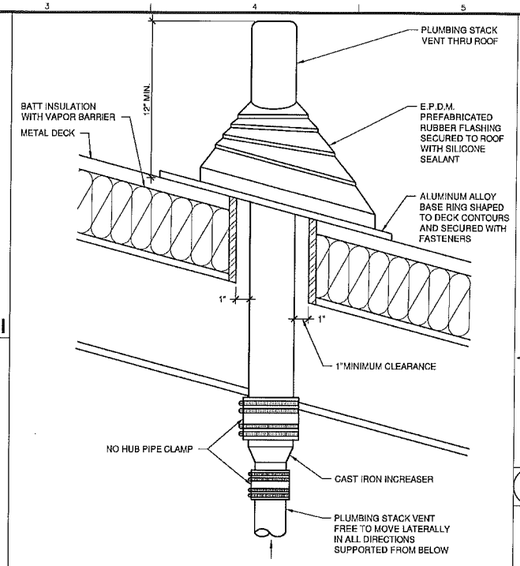
11 Standard Interior Wall Penetration For Stud Walls
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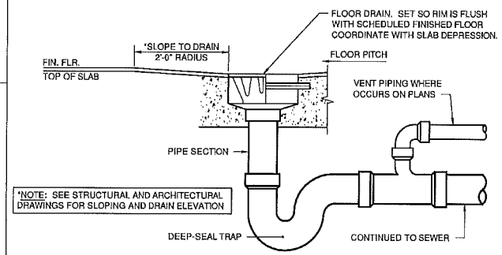
10 Single Pipe Hanger Detail
Scale: Not To Scale



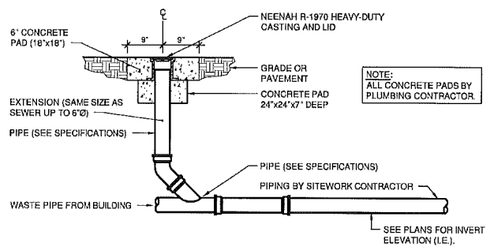
9 Typical Trapeze Hangar Detail
Scale: Not To Scale



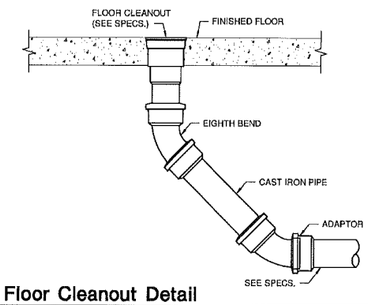
8 Plumbing Vent Thru Roof
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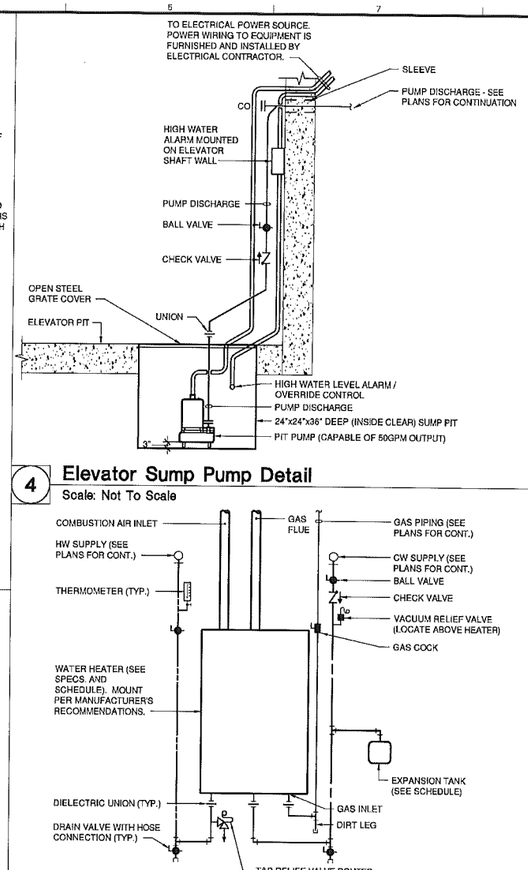
7 Floor Drain Detail
Scale: Not To Scale



6 Exterior Cleanout Detail
Scale: Not To Scale

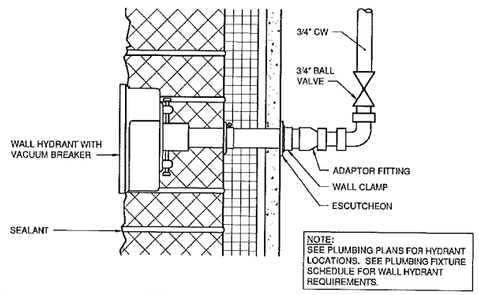


5 Floor Cleanout Detail
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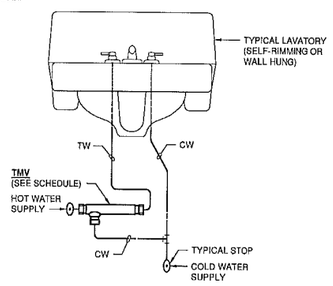


4 Elevator Sump Pump Detail
Scale: Not To Scale

3 Tankless Gas Water Heater Detail
Scale: Not To Scale



2 Recessed Sillcock Detail
Scale: Not To Scale



1 Point-of-Use Thermostatic Mixing Valve Detail
Scale: Not To Scale

PLUMBING SYMBOLS & ABBREVIATIONS

NOTE: NOT ALL SYMBOLS ARE USED ON THIS PROJECT

Annotation Abbreviations		Plumbing Symbology	
AC	ABOVE CEILING	PIPING (SOLID LINE)	
AFF	ABOVE FINISHED FLOOR	CD CONDENSATE DRAIN G NATURAL GAS PD PUMP DISCHARGE ST STORM	
BAS	BUILDING AUTOMATION SYSTEM		
BF	BELOW FLOOR		
BG	BELOW GRADE	V VENT PIPING (V)	
BH	BOOSTER HEATER	W WASTE PIPING (W)	
BFP	BACKFLOW PREVENTION DEVICE	CW COLD WATER PIPING (CW)	
BJ	BETWEEN JOISTS	SCW SOFTENED COLD WATER PIPING (SCW)	
BOP	BOTTOM OF PIPE	HW-110 110 DEG. TEMPERED HOT WATER PIPING	
BTUH	BRITISH THERMAL UNITS PER HOUR	HW-140 140 DEG. HOT WATER PIPING	
CF	COMBINATION FIXTURE	HW-155 155 DEG. HOT WATER PIPING	
COND	CONDENSATE	HWC HOT WATER RECIRCULATION PIPING	
CP	CONDENSATE PUMP		
CSS	CLINICAL SERVICE SINK	NEW	EXISTING
CV	CONTROL VALVE	FLOW ARROW	
D	DISPOSAL	CONCENTRIC REDUCER	
DF	DRINKING FOUNTAIN	ECCENTRIC REDUCER	
DN	DOWN	3-WAY CONTROL VALVE	
DW	DISHWASHER	ANGLE GATE VALVE	
EC	ELECTRICAL SUBCONTRACTOR	ANGLE GLOBE VALVE	
ECO	EXTERIOR CLEANOUT	BALANCING/SHUTOFF VALVE	
EEW	EMERGENCY EYE WASH	BALL VALVE	
EEWSH	COMB. EMERGENCY EYE WASH/SHOWER	BUTTERFLY VALVE	
ET	EXPANSION TANK	CHECK VALVE	
EWC	ELECTRIC WATER COOLER	CALIBRATED BALANCING VALVE	
EWH	ELECTRIC WATER HEATER	CONTROL VALVE	
FA	FROM ABOVE	EXPANSION VALVE	
FB	FROM BELOW	GAS COCK	
FBO	FURNISHED BY OTHERS	GATE VALVE	
FCO	FLOOR CLEANOUT	GLOBE VALVE	
FD	FLOOR DRAIN	PLUG VALVE	
FFA	FROM FLOOR ABOVE	PRESSURE REGULATOR VALVE	
FFB	FROM FLOOR BELOW	QUICK OPEN VALVE	
FPC	FIRE PROTECTION SUBCONTRACTOR	SAFETY RELIEF VALVE	
FT	FILL TANK	SOLENOID VALVE	
GPM	GALLONS PER MINUTE	VACUUM RELIEF VALVE (VR)	
GW	GREASE WASTE	PRZ BACKFLOW PREVENTER	
GWH	GAS WATER HEATER	HB HOSE BIBB (INTERIOR)	HB
GC	GENERAL CONTRACTOR	SC SILLCOCK (EXTERIOR)	SC
HAP	HIGH AS POSSIBLE	ANGLED AIR VENT	
HB	HOSE BIBB (INTERIOR)	AIR VENT AUTOMATIC	
HC	HEATING SUBCONTRACTOR	ANGLED PRESSURE GAUGE	
HS	HOSE STATION	PRESSURE GAUGE	
HWCP	HOT WATER RECIRCULATION PUMP	ANGLED THERMOMETER	
HWS	HANDWASHING SINK	THERMOMETER	
IM	ICE MAKER	FLOW SWITCH	
L	LAVATORY	PRESSURE SWITCH	
LS	LAUNDRY SINK	TEMPERATURE SWITCH	
MBH	THOUSANDS OF BTU PER HOUR	PIPE UNION	
MSB	MOP SINK BASIN	STEAM BUCKET TRAP	
NTS	NOT TO SCALE	STEAM F&T TRAP	
OW	OIL WASTE	WYE STRAINER	
P	PUMP	WYE STRAINER WITH DRAIN	
PC	PLUMBING SUBCONTRACTOR	FLOOR DRAIN - ROUND	
PRV	PRESSURE RELIEF VALVE	FLOOR CLEANOUT - ROUND	
PS	PRESSURE SWITCH	FLOOR DRAIN - SQUARE	
RD	ROOF DRAIN	FLOOR CLEANOUT - SQUARE	
RPZ	REDUCED PRESSURE BFP	SUSPENDED CLEANOUT (CO)	
SC	SILLCOCK (EXTERIOR)	WALL CLEANOUT (WCO)	
SE	SEWAGE EJECTOR	PIPE CAP	
S.F.	SQUARE FOOT	PIPE TURNING DOWN	
SH	SHOWER	PIPE TURNING UP	
SK	SINK	TEE UP	
SP	SUMP PUMP	TEE DOWN	
SS	SERVICE SINK	DROP AND RUN	
TFA	TO FLOOR ABOVE	DROP AND TURN	
TB	TO BELOW	TEE OFF TOP	
TFB	TO FLOOR BELOW	TEE OFF BOTTOM	
TMV	THERMOSTATIC MIXING VALVE	CROSS AND RISER	
TOP	TOP OF PIPE	PLAN 90° ELBOW	
UR	URINAL	PIPE TEE	
VB	VACUUM BREAKER	FLEXIBLE PIPE CONNECTOR	
VTR	VENT THRU ROOF	PIPE ANCHOR	
WB	WASHER BOX	PIPE GUIDE	
WC	WATER CLOSET	M WATER METER	
WCO	WALL CLEANOUT		
WF	WATER FILTER	PROPOSED	BOLD TEXT INDICATES PROPOSED ITEM
WS	WATER SOFTENER	*EXISTING*	ITALIC TEXT INDICATES EXISTING ITEM

Annotation Symbology

1	KEYED NOTE		POINT OF NEW CONNECTION
3 / P1.1	DETAIL MODULE NUMBER DETAIL OR SECTION MARK SHOWN ON DRAWING		POINT OF TERMINATION/CAP
		L1	PLUMBING EQUIPMENT DESIGNATION

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ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

BID SET

PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	EJG/DPS
Reviewed:	EJG
Book No.: -	Field: -

SHEET TITLE:

PLUMBING GENERAL INFORMATION

SHEET NUMBER:

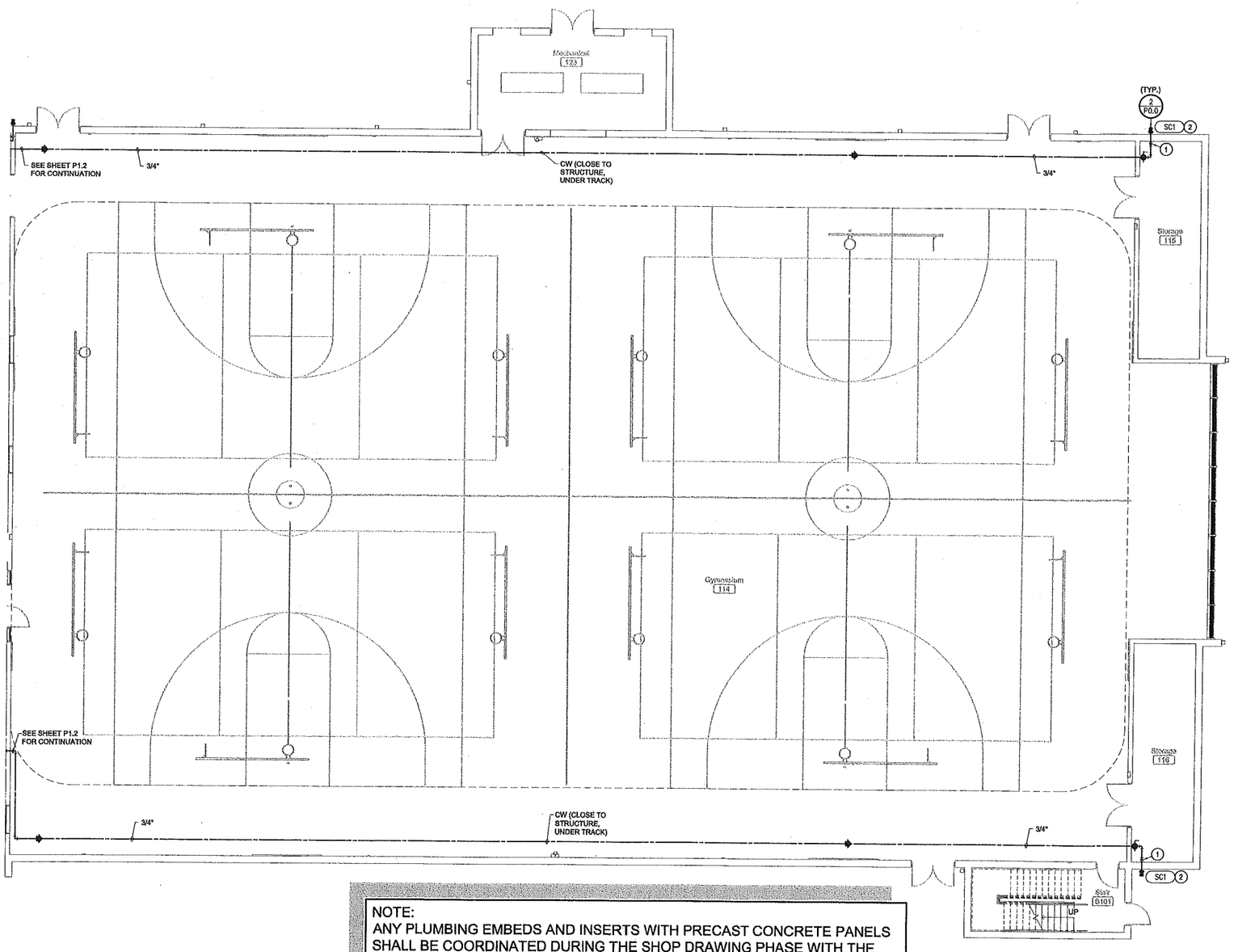
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Project No.: 0111316.00

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Keyed Notes (#)

1. 3/4"CW DOWN ALONG WALL TO SC1.
2. MOUNT SC1 AT 30 INCHES ABOVE FINISH GRADE.



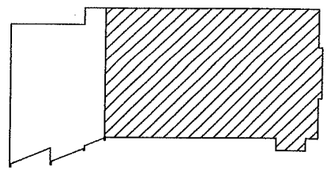
NOTE:
ANY PLUMBING EMBEDS AND INSERTS WITH PRECAST CONCRETE PANELS SHALL BE COORDINATED DURING THE SHOP DRAWING PHASE WITH THE PLUMBING CONTRACTOR TO LOCATE ALL INSERTS PRE-ASSEMBLED, LABELED, AND DELIVERED TO THE PRECASTER'S PRODUCTION FACILITY.

1 **First Floor Plumbing Plan - Gym**
Scale: 1/8"=1'-0"

0 4 8 16

General Notes

1. MATERIALS, INSTALLATION AND TESTING SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF STATE AND LOCAL CODE PROCEDURES, METHODS AND REQUIREMENTS, INCLUDING THE MOST STRINGENT OF HEALTH AND SAFETY STANDARDS AS REQUIRED AND AS INTERPRETED BY THE AUTHORITY HAVING JURISDICTION. MINIMUM CODE AND STANDARDS REQUIRED, BUT NOT LIMITED TO THE FOLLOWING: "ILLINOIS STATE PLUMBING CODE" (CURRENT EDITION), "INTERNATIONAL PLUMBING CODE" (LATEST EDITION), "NFPA 54 - NATIONAL FUEL GAS CODE", APPLICABLE LOCAL AND MUNICIPAL CODES AND ORDINANCES.
2. MEANING AND INTENT OF DRAWINGS: DRAWINGS ARE DIAGRAMMATIC. SCALES INDICATED ARE FOR ARCHITECTURAL REFERENCE ONLY. IT IS NOT INTENDED THAT THE DRAWINGS SHOW EVERY WASTE, VENT, WATER PIPE, FITTING, SUPPORTS, ETC., AND IT IS UNDERSTOOD THAT THE DRAWINGS MUST BE FOLLOWED AS CLOSELY AS CIRCUMSTANCES WILL PERMIT, THE PROPER INSTALLATION ACCORDING TO THE TRUE INTENT AND MEANING OF THE DRAWINGS, LOCAL CODES AND STANDARD PRACTICES SHALL BE PROVIDED.CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO INSTALLATION. REPORT ANY PROBLEMS OR CONFLICTS TO THE ARCHITECT/ENGINEER. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS. ANY MINOR CHANGES IN THE LOCATION OF EQUIPMENT, WASTE, VENT, WATER PIPE, ETC., FROM THOSE LOCATIONS SHOWN ON THE DRAWINGS, SHALL BE MADE WITHOUT EXTRA COST, IF SO DIRECTED BY THE ARCHITECT/ENGINEER BEFORE THE INSTALLATION IS MADE. A MINOR CHANGE IN LOCATION IS CONSIDERED TO BE WITHIN 5'-0" OF THE ORIGINAL INDICATED LOCATION. THE EQUIPMENT INDICATED ON THESE DRAWING INCLUDE ONLY THE MAJOR EQUIPMENT REQUIREMENTS. NOT WITHSTANDING, THE DETAILS PRESENTED IN THESE DRAWING VERIFY THE COMPLETENESS OF THE MATERIALS LISTS AND SUITABILITY OF DEVICES TO MEET THE INTENT OF THIS PROJECT. ANY ADDITIONAL EQUIPMENT OR MATERIAL REQUIRED, EVEN IF NOT SPECIFICALLY MENTIONED HEREIN SHALL BE PROVIDED WITHOUT CLAIM FOR ADDITIONAL PAYMENT; IT BEING UNDERSTOOD THAT A COMPLETE AND OPERATIONAL PLUMBING SYSTEM, SATISFACTORY TO THE ARCHITECT/ENGINEER AND THE OWNER SHALL BE PROVIDED. USE ONLY THE MANUFACTURER'S TESTED ASSEMBLIES.
3. CONTRACTOR SHALL COORDINATE WITH EACH TRADE INVOLVED TO AVOID ANY PIPE ROUTING CONFLICTS.
4. ALL EXPENSES CARRIED BY THE ARCHITECT/ENGINEER IN TROUBLESHOOTING SYSTEM(S) PROBLEMS CAUSED BY INADEQUATE WORKMANSHIP, LACK OF TECHNICAL EXPERTISE OR OTHER FORMS OF POOR PERFORMANCE ON THE PART OF THE CONTRACTOR, SHALL BE BORN BY THAT CONTRACTOR.
5. CONTRACTOR TO INSTALL, TEST, AND FIELD BALANCE APPROVED EQUIPMENT PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS.
6. INDIRECT WASTE FROM FIXTURES AND SPECIALTIES, AND EQUIPMENT DRAIN LINES TERMINATING AT FLOOR DRAINS, OR APPROVED RECEPTACLES SHALL HAVE A MINIMUM 2" AIR GAP. SUPPORT PIPING SO INDIRECT WASTE CANNOT BE DEFLECTED FROM DRAIN OPENING.
7. MAINTAIN A MINIMUM CLEARANCE OF 3'-0" IN FRONT OF ELECTRICAL PANELS AND 1'-0" EITHER SIDE FROM STRUCTURE TO STRUCTURE AND FLOOR TO STRUCTURE. ROUTE PIPING AROUND AND NOT DIRECTLY ABOVE ELECTRICAL PANELS. VERIFY CLEARANCE REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLING PIPE.
8. ALL VENTS FROM HORIZONTAL SOIL OR WASTE PIPE SHALL COME OFF TOP OR AT 45 DEGREE VERTICALLY FROM CENTER OF PIPE BEFORE OFFSETTING HORIZONTALLY TO RISER.
9. CONTRACTOR SHALL INSTALL APPROVED WATER HAMMER ARRESTORS IN WATER LINES, BOTH HOT AND COLD, SERVING BATTERY AND BACK TO BACK FIXTURE INSTALLATIONS IN PIPE SPACE AND PIPE CHASES AND SHALL BE ACCESSIBLE.
10. ALL P-TRAPS FOR FLOOR DRAINS AND FLOOR SINKS SHALL BE DEEP SEAL TRAP FILLED WITH VEGETABLE OIL. 2" TRAPS SHALL HAVE A 4" MINIMUM WATER SEAL, 3" AND LARGER SHALL HAVE A 5" WATER SEAL.
11. CONTRACTOR SHALL INSTALL HOT WATER DISTRIBUTION LOOP AND BRANCH SUPPLY PIPING AS CLOSE AS POSSIBLE TO THE HOT WATER INLET SIDE OF POINT OF USE THERMOSTATIC MIXING VALVE, INCLUDING FIXTURES WITH INTEGRAL MIXING VALVES, SO THAT THERE IS NO MORE THAN 10 LINEAR FEET DISTANCE. THIS SHALL BE IN SINGLE FIXTURE APPLICATIONS. IN MULTIPLE FIXTURE APPLICATIONS BATTERIED IN WALL OR PIPE CHASES, THE HOT WATER SUPPLY PIPING SHALL BE AS CLOSE AS REASONABLY POSSIBLE TO THE FIXTURE CONNECTIONS.
12. ALL CLEANOUTS, VALVES, AIR CHAMBERS, ETC. ARE TO BE ACCESSIBLE. EXTEND PIPING AND PROVIDE ACCESS PANELS AS NECESSARY. CONTRACTOR WILL BE REQUIRED TO DEMONSTRATE ACCESSIBILITY IF IT IS QUESTIONABLE. ACCESS PANEL SIZES, LOCATIONS, AND FINAL COLOR SHALL BE COORDINATED WITH THE ARCHITECT AS WELL AS ALL OTHER TRADES TO AVOID ANY CONFLICTS. ACCESS PANELS PROVIDED BY PC FOR INSTALLATION BY GENERAL CONTRACTOR.
13. PC IS RESPONSIBLE FOR ALL SERVICES IN BUILDING AND TO 5'-0" BEYOND THE BUILDING CONSTRUCTION LINE. SITE UTILITY CONTRACTOR IS RESPONSIBLE FOR ALL OTHER PIPING.
14. DURING CONSTRUCTION PROCEDURES, THE ENTIRE WORK AREA SHALL BE CLEAN OF ALL DUST, DIRT AND OTHER DEBRIS BEFORE APPLICATION OF ANY NEW MATERIALS.
15. INCLUDE IN BID, ALL LICENSE, PERMIT, INSPECTION AND OTHER FEES REQUIRED BY UTILITY COMPANIES OR AUTHORITIES HAVING JURISDICTION REQUIRED FOR COMPLETION OF WORK SO THAT NO UNEXPECTED ADDITIONAL EXPENSES ARE INTRODUCED TO OWNER.
16. ALL VALVES IN CORRIDORS SHALL BE LOCATED 1'-0" AWAY FROM WALLS UNLESS NOTED OTHERWISE. VALVES SHALL NOT BE LOCATED OVER INACCESSIBLE CEILINGS UNLESS ADEQUATE ACCESS IS PROVIDED.
17. FURNISH AND INSTALL BALL TYPE SHUTOFF VALVES IN ALL DOMESTIC WATER BRANCH PIPING OFF OF THE MAINS, RISERS, AND IN ALL BRANCH PIPING TO EACH SEPARATE ROOM TO PERMIT WATER SUPPLY SHUT OFF WITHOUT INTERFERING WITH ANY OTHER ROOM OR PORTION OF BUILDING.
18. SANITARY WASTE PIPING SHALL BE SLOPED AT 1/8-INCH PER FOOT MINIMUM FOR ALL PIPING 4-INCH AND LARGER AND AT 1/4-INCH PER FOOT MINIMUM FOR ALL PIPING 3-INCH AND SMALLER.
19. ALL NATURAL GAS PIPING AND ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH REQUIREMENTS OF NFPA 54 NATIONAL FUEL GAS CODE. ALL GAS PIPING ABOVE GRADE EXPOSED TO VIEW OR ABOVE CEILING SHALL BE PAINTED.
20. ALL VENT TERMINATIONS SHALL BE COORDINATED WITH BUILDING OPENINGS, AIR INTAKES AND AIR EXHAUST OPENINGS. ADJUST VENT THROUGH ROOF LOCATIONS TO COMPLY WITH APPLICABLE CODE AND TO BE IN THE LEAST VISIBLE EXTERIOR VIEWPOINT.
21. PC TO PROVIDE AND INSTALL NAIL PLATES WHERE PIPING PASSES THROUGH STUD(S) WITHIN 2" OF NAILING SURFACE TO PROTECT PIPE FROM NAILS OR DRYWALL SCREWS.



Key Plan
Scale: None

NORTH

ENGINEERS
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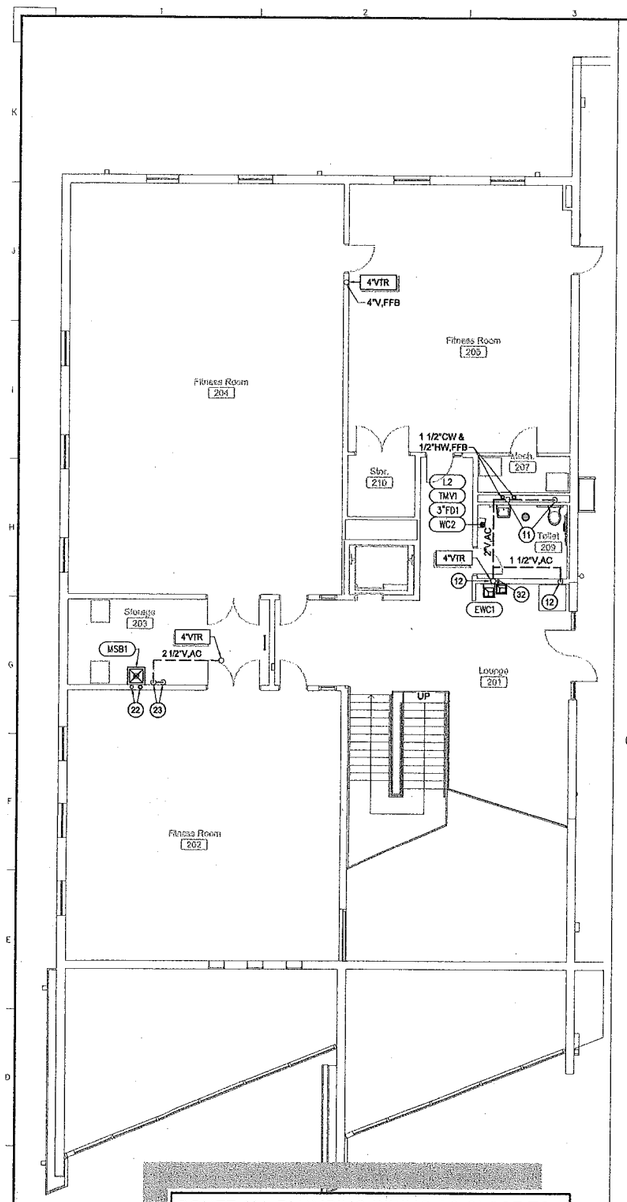
FIRST FLOOR PLUMBING PLAN - GYM

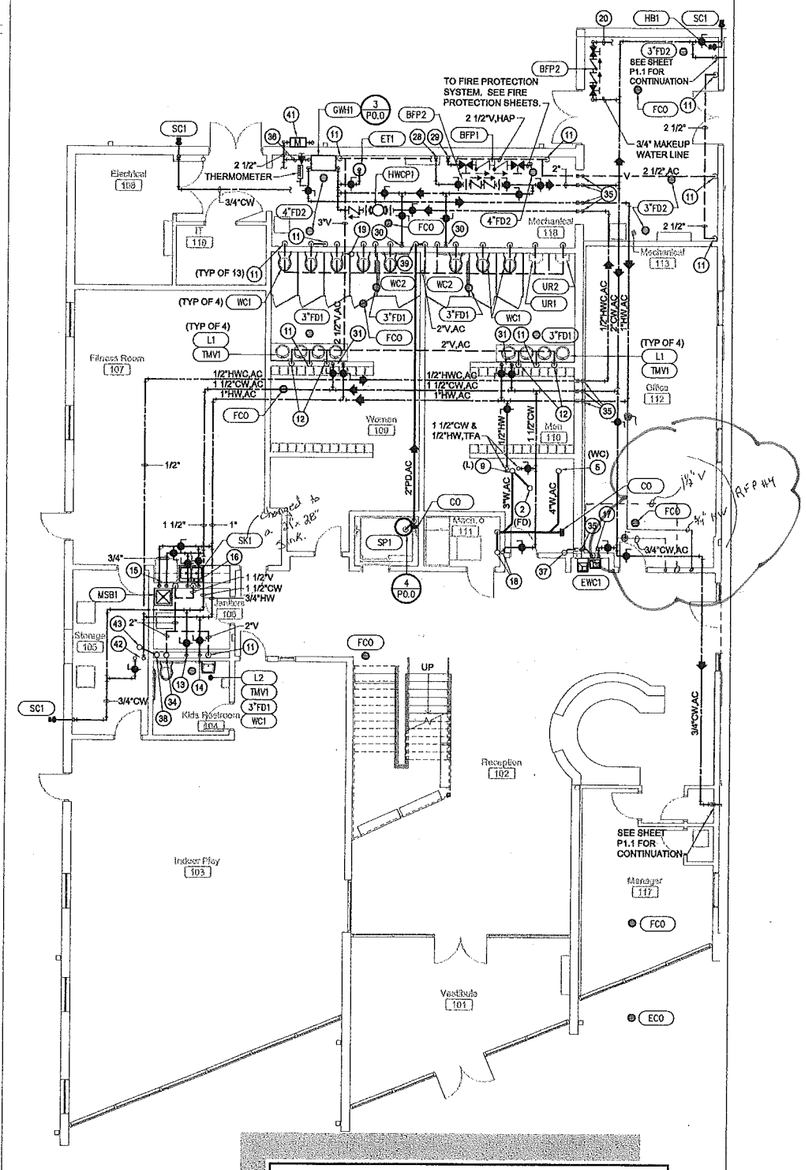
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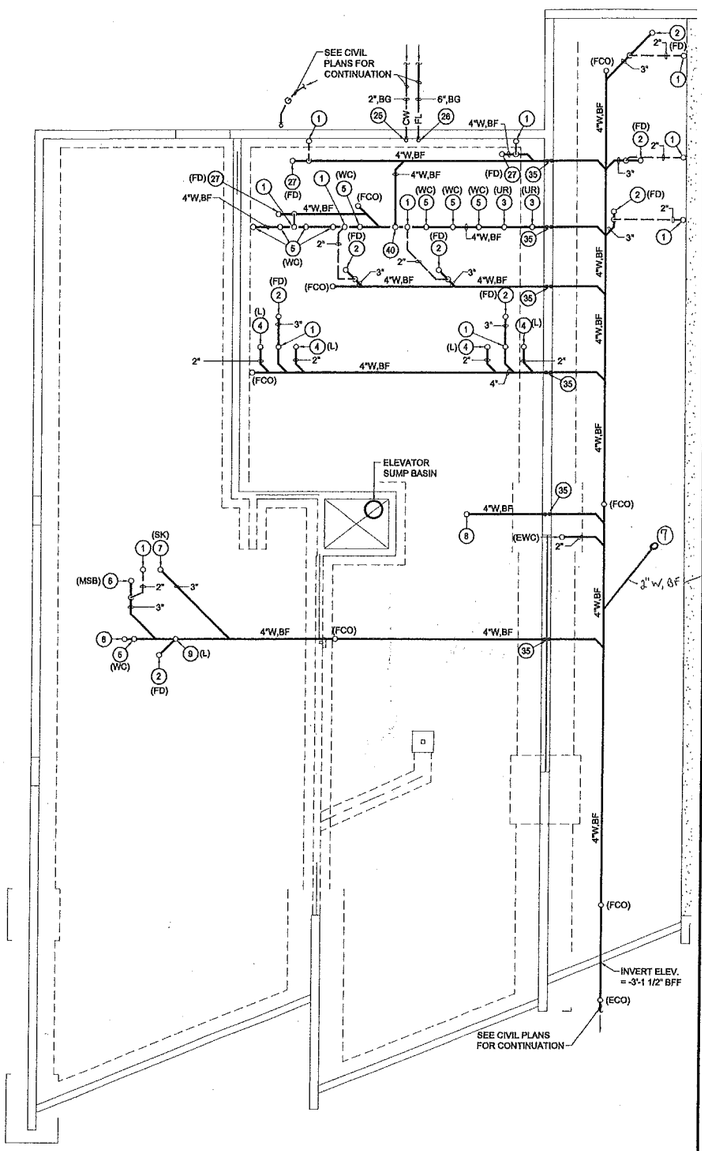
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Project No.: 0111316.00

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ROUTE ALL PLUMBING PIPING AS CLOSE TO STRUCTURE AS POSSIBLE THROUGH JOISTS.

ROUTE ALL PLUMBING PIPING AS CLOSE TO STRUCTURE AS POSSIBLE THROUGH JOISTS.

3 **Second Floor Plan - Offices**
Scale: 1/8"=1'-0"

2 **First Floor Plan - Offices**
Scale: 1/8"=1'-0"

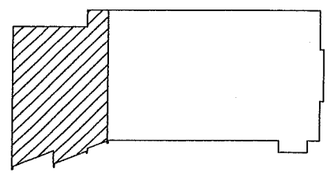
1 **Foundation Plan - Offices**
Scale: 1/8"=1'-0"

0 4 8 16

Keyed Notes

1. 2"V UP.
2. 3"W UP TO FLOOR DRAIN.
3. 2"W UP TO URINAL.
4. 2"W UP TO LAVATORY.
5. 4"W UP TO WATER CLOSET.
6. 3"W UP TO MOP SERVICE BASN.
7. 2"W UP TO SINK.
8. 4"W UP.
9. 3"W DOWN, 2"W UP TO LAVATORY.
10. NOT USED.
11. 2"V DOWN.
12. 1 1/2"V DOWN.
13. 1 1/2"CW DOWN IN CHASE. EXTEND CW IN CHASE TO FIXTURES.
14. 1/2"HW DOWN IN CHASE.
15. 3/4"CW/HW, 2"V DOWN.
16. 1/2"CW/HW, 1 1/2"V DOWN.
17. 1/2"CW, 1 1/2"V DOWN.
18. 1/2"CW, 2"W UP TO EWC.
19. 4"V,TFA.
20. 3/4" MAKEUP WATER TO MECHANICAL EQUIPMENT (AS-1). REFER TO MECHANICAL PLANS FOR EXACT LOCATION.
21. 1/2"CW,FFB & 1 1/2"V DOWN.
22. 3/4"CW & HW,FFB.
23. 2"V,FFB.
24. NATURAL GAS SERVICE UP TO METER.
25. 2" DOMESTIC WATER SERVICE UP TO ABOVE FLOOR.
26. 6" FIRE PROTECTION SERVICE UP TO ABOVE FLOOR.
27. 4"W UP TO FLOOR DRAIN.
28. 2" DOMESTIC WATER SERVICE FROM BELOW.
29. 6" FIRE PROTECTION SERVICE FROM BELOW.
30. 2"CW DOWN. EXTEND ALONG WALL TO EACH WATER CLOSET.
31. 1"HW/CW DOWN. EXTEND HOT & COLD WATER PIPING IN WALL TO EACH LAVATORY.
32. 1/2"CW,FFB.
33. 2 1/2"V,FFB.
34. 2"V,TFA/4"W,DOWN.
35. COORDINATE PIPE PENETRATION LOCATIONS WITH GENERAL CONTRACTOR.
36. 1"G TO GWH-1 (199 CFH PROJECTED LOAD).
37. 1 1/2"V UP.
38. 4"W,DOWN/2"V,TFA.
39. 2" PUMP DISCHARGE DOWN TO AIR GAP FITTING.
40. 4"W FROM AIR GAP FITTING.
41. GAS METER FURNISHED AND INSTALLED BY GAS UTILITY CO. TO REDUCED PRESSURE FROM SERVICE PRESSURE DOWN TO 11-14 INCHES WATER COLUMN (199 CFH PROJECTED LOAD).
42. 3/4"CW & HW,TFA.
43. 4"W,FFA (MSB).

NOTE:
ANY PLUMBING EMBEDS AND INSERTS WITHIN PRECAST CONCRETE PANELS SHALL BE COORDINATED DURING THE SHOP DRAWING PHASE WITH THE PLUMBING CONTRACTOR TO LOCATE ALL INSERTS PRE-ASSEMBLED, LABELED, AND DELIVERED TO THE PRECASTER'S PRODUCTION FACILITY.



Key Plan
Scale: None

ENGINEERS
ARCHITECTS
SURVEYORS
SCIENTISTS

Farnsworth GROUP
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ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

BID SET

PROJECT:
Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

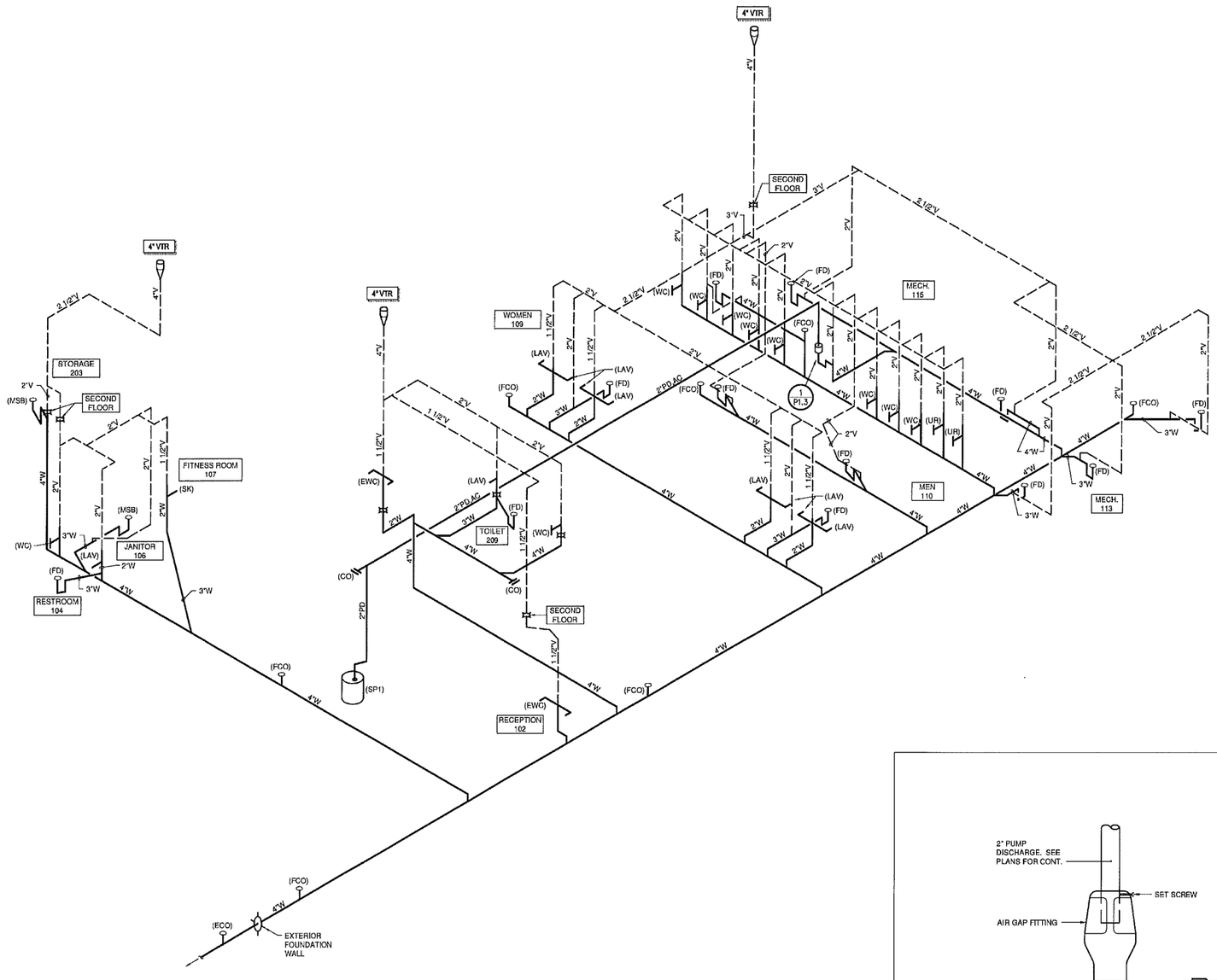
Date:	05/01/13
Design/Drawn:	EJG/DPS
Reviewed:	EJG
Book No.: -	Field: -

SHEET TITLE:
PLUMBING PLANS - OFFICES

SHEET NUMBER:
P1.2

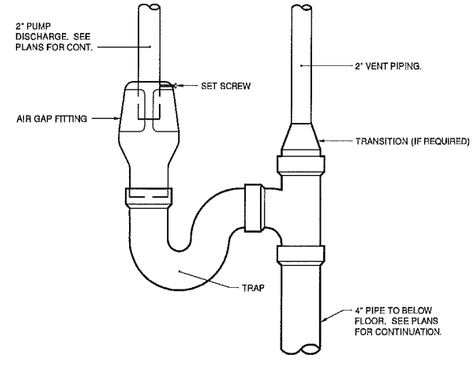
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2 Waste & Vent Riser Diagram

Scale: Not To Scale



1 Air Gap Fitting Detail

Scale: Not To Scale

ENGINEERS
ARCHITECTS
SURVEYORS
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ISSUE:

#	Date:	Description

CHAMPAIGN PARK DISTRICT

BID SET

PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	EJG/DPS
Reviewed:	EJG
Book No.: -	Field: -

SHEET TITLE:

PLUMBING WASTE & VENT RISER DIAGRAM

SHEET NUMBER:

P1.3

Project No.: 0111316.00

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CIRCULATING PUMP SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	GPM	FEET HEAD	MOTOR				MOUNTING	REMARKS
					HP	VOLTS	PHASE	RPM		
HWCP1	TACO	006-BT4	0-10	0-9	1/40	115	1	3250	IN-LINE	PROVIDE WITH "00" AQUASTAT AND TIMER.

NOTES:

DOMESTIC WATER CIRCULATION PUMP IS INLINE TYPE, AND BASED ON MANUFACTURE, MODEL, AND MODEL NUMBER INDICATED. EQUIVALENT PUMP MADE BY OTHER SPECIFIED MANUFACTURERS ARE ACCEPTABLE.

DESIGN IS BASED ON "TACO" PUMPS. PLUMBING CONTRACTOR SHALL INSTALL, TEST AND BALANCE THE APPROVED PUMP PER MANUFACTURERS WRITTEN INSTRUCTIONS AND RECOMMENDATIONS. PROVIDE WRITTEN CONFIRMATION TO THE GENERAL CONTRACTOR CERTIFYING THAT THE CIRCULATION PUP AND ALL ASSOCIATED APPURTENANCES HAVE BEEN INSTALLED CORRECTLY, AND IS PROPERLY BALANCED TO PROVIDE A COMPLETE AND OPERATIONAL DOMESTIC HOT WATER CIRCULATION SYSTEM.

IF ALTERNATIVE MANUFACTURERS ARE APPROVED THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND PROVIDE ANY ADDITIONAL EQUIPMENT, MATERIALS AND LABOR THAT MAY BE REQUIRED BY THE MANUFACTURER FOR A COMPLETE AND OPERATIONAL SYSTEM (I.E. ELECTRICAL OUTLETS, VALVE ISOLATION, EQUIPMENT OPTIONS, SYSTEM OR COMPONENT VARIATIONS, ETC.).

FURNISH AND INSTALL MANUFACTURER'S UNION OR FLANGE ADAPTERS INCLUDING MANUFACTURER'S VALVE ISOLATION PACKAGE

CONTRACTOR SHALL PROVIDE ISOLATION VALVES FOR PUMP REMOVAL IF APPROVED MANUFACTURER VALVE PACKAGE NOT AVAILABLE.

3/4" THREADED INLET AND OUTLET CONNECTIONS.

THERMOSTATIC MIXING VALVE SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	GPM	INLET	OUTLET	MOUNTING	REMARKS
TMV1	WILKINS/ZURN	ZW1070HT	0.5-6	1/2"-1"	1/2"-1"	WALL	PROVIDE WITH UNION ENDS, INLET CHECK VALVES, SET TO 110 DEGREES. ASSE 1016,1070 (SINGLE FAUCET)

DESIGN FLOWS BASED ON 5 PSI PRESSURE DROP MAXIMUM.

* 0.5 GPM MINIMUM FLOW RATE CAN BE ACHIEVED WHEN PROPERLY INSTALLED WITH A RECIRCULATION SYSTEM AND RECIRCULATION PUMP AND PIPED PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.

NOTE: OTHER ACCEPTABLE MANUFACTURERS SHALL BE: BRADLEY, SIMMONS, POWERS, LEONARD, WILKINS, ZURN.

BACKFLOW PREVENTER SCHEDULE

PLAN MARK	MAKE/MODEL	DESCRIPTION REMARKS
BFP1	WILKINS 375ADA WATTS 909RPDA CONBRACO RPDA40 (Fire Suppression)	REDUCED PRESSURE ZONE BACKFLOW PREVENTER, TWO INDEPENDENT CHECK VALVES, INTERMEDIATE RELIEF VALVE, SHUT-OFF VALVES, OSY GATE VALVES, BALL TYPE TEST COCKS, BY-PASS WITH METER. (FIRE SUPPRESSION SYSTEM) ASSE1047
BFP2	WILKINS 975XL2S WATTS CONBRACO (2" & SMALLER)	(LEAD FREE) REDUCED PRESSURE ZONE BACKFLOW PREVENTER, TWO INDEPENDENT CHECK VALVES, INTERMEDIATE RELIEF VALVE, SHUT-OFF VALVES, BALL TYPE TEST COCKS AND WYE STRAINER. (DOMESTIC WATER SERVICE, MAKE-UP WATER) ASSE1013

OTHER ACCEPTABLE MANUFACTURERS SHALL BE: AMES, FEBCO

DRAIN SCHEDULE

PLAN MARK	MAKE/MODEL	DESCRIPTION REMARKS
FD1	WADE 1100-STD J.R. SMITH ZURN	CAST IRON FLOOR DRAIN WITH SEEPAGE FLANGE, FLASHING RING AND CLAMPING COLLAR. 7" DIAMETER HEEL PROOF ADJUSTABLE POLISHED NICKEL BRONZE RIM AND VANDAL PROOF STRAINER. SEPARATE DEEP-SEAL TRAP. OUTLET SIZE AS INDICATED ON DRAWINGS. (FINISHED AREAS)
FD2	WADE 1100-TS J.R. SMITH ZURN	CAST IRON FLOOR DRAIN WITH 7" DIAMETER CAST IRON HEAVY DUTY RIM AND LOOSE SET TRACTOR GRATE STRAINER, FLASHING FLANGE AND CLAMPING COLLAR. SEPARATE DEEP-SEAL TRAP. OUTLET SIZE AS INDICATED ON DRAWINGS. (MECHANICAL ROOMS)

CLEANOUT SCHEDULE

TYPE	MAKE/MODEL	LOCATION	REMARKS
CO	WADE 8590-B WATTS J.R. SMITH JOSAM ZURN	END OF LINE EXPOSED OR ABOVE CEILING	FOR SUSPENDED PIPE. COUNTERSUNK CLEANOUT PLUG WITH RAISED HEAD.
FCO	WADE 6000,1 WATTS J.R. SMITH JOSAM ZURN	FINISHED ROOMS	ADJUSTABLE FLOOR CLEANOUT, CAST IRON BODY, WITH WATERTIGHT ABS TAPERED THREAD PLUG, AND ROUND POLISHED NICKEL BRONZE SCORIATED VANDAL PROOF SECURED TOP, ADJUSTABLE TO FINISH FLOOR.
WCO	WADE 8480R & 8560 WATTS J.R. SMITH JOSAM ZURN	FINISHED ROOMS	WALL CLEANOUT, CAST-IRON BODY, WITH WATERTIGHT ABS TAPERED THREADED PLUG, AND ROUND, SMOOTH STAINLESS STEEL ACCESS COVER WITH VANDAL PROOF SECURING SCREW. (NO HUB)
ECO	WADE 8300MF WATTS J.R. SMITH JOSAM ZURN	EXTERIOR YARD CLEANOUT	EXTERIOR, HEAVY DUTY CLEANOUT HOUSING, CAST IRON BODY WITH INTEGRAL ANCHOR FLANGE, SECURED, SCORIATED COVER WITH VANDAL PROOF SECURE TOP.

FLOOR: CAST IRON, ADJUSTABLE HOUSING, CUT-OFF FERRULE, BRASS COUNTERSUNK TAPERED SCREW TYPE PLUG WITH NEOPRENE SEAL. ABOVE CEILING EXPOSED VERTICAL OR HORIZONTAL LINES: CAST IRON, FERRULE WITH ROUGH BRASS RAISED HEAD TAPERED PLUG. WHEN LOCATED IN SECURE AREAS: VANDAL RESISTANT FASTENERS SHALL BE USED. FLOORS WITH TILE OR SHEET VINYL: COUNTERSUNK CLEANOUT AND ROUND SECURED FRAME AND COVER WITH TILE RING WITH MATCHING TILE INSERTED WITHIN RING. FLOORS WITH CARPETING: COUNTERSUNK CLEANOUT AND ROUND, NICKEL BRASS SECURED FRAME WITH CARPET FLANGE OR CARPET MARKER. ON FLOORS ABOVE GRADE: FLASHING FLANGE AND CLAMPING DEVICE WITH FLASHING REQUIRED. IN CONCRETE FLOORS: ROUND, NICKEL BRASS SECURED FRAME WITH NON-SKID SCORIATED NICKEL BRASS COVER SECURED TO FRAME WITH BRASS SCREWS. RISER CLEANOUTS: CAST IRON SHELL WITH COUNTERSUNK BRASS PLUG WITH ROUND SECURED 18 GA. STAINLESS STEEL COVER WITHSTAINLESS STEEL SETTING SCREW. YARD CLEANOUT: CAST IRON WITH CUT-OFF FERRULE, TAPERED BRASS PLUG, ADJUSTABLE HOUSING AND EXTRA HEAVY SECURED FRAME, SCORIATED TRACTOR COVER.

SUMP PUMP SCHEDULE

PLAN MARK	MANUFACTURER	GPM	FEET HEAD	MOTOR			BASIN DIMENSIONS INCHED (DIA. X DEPTH)	REMARKS
				H.P.	VOLTS	PHASE		
SP1	WEIL	5	15	1/2	115	1	24" x 24"	SIMPLEX SUBMERSIBLE PUMP WITH 20' POWER CORD AND REMOTE ALARM PANEL IN MASTER CONTROL. LOCATED IN ELEVATOR PIT.

EXPANSION TANK SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	MAX PRESSURE P.S.I.	MAX TEMP DEG. F	TANK VOLUME GALLONS	TANK ACCEPTANCE GALLONS	AIR PRE-CHARGE P.S.I.	CONNECTION SIZE (IN.)	DIAMETER (IN.)	HEIGHT (IN.)	WEIGHT (LBS.)	REMARKS
ET1	AMTROL WATTS ZURN/WILKINS	ST-5-C DETA-5 WTTA-5	150	240	3.5	1.3	40	3/4"	16"	14"	22	ASME SECTION VIII

DESIGN BASED ON THE FOLLOWING:

SUPPLY PRESSURE = 60 P.S.I.
WATER VOLUME INCREASE OF 2% FROM 40 - 140

OTHER ACCEPTABLE MANUFACTURER'S ARE:
BELL & GOSSETT, STATE, FLEXCON, WESSELS

GAS WATER HEATER SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	TANK STORAGE (GAL.)	RECOVERY GPM @ 80 DEG.	BTU/HR INPUT MAX.	GAS CONNECTION SIZE	WATER CONNECTION SIZE	CA INTAKE DIAMETER	FLUE DIAMETER (IN.)	DIMENSIONS (IN.)	WEIGHT (LBS.)	REMARKS
GWH-1	NAVIEN	NR240	-	5.9	199 CFM	3/4"	3/4"	3"	3"	17"x28"x15"	86	LOCATED IN MECH RM 118

PLUMBING FIXTURE SCHEDULE

PLAN MARK	FIXTURE DESCRIPTION AND REMARKS	MINIMUM INDIVIDUAL LINE SIZES			
		COLD WATER	HOT WATER	WASTE	VENT
EWC1	ELECTRONIC WATER COOLER- BI-LEVEL, BARRIER FREE, WALL HUNG 20 GA. STAINLESS STEEL TOP AND CABINET WITH REMOVABLE FRONT PANEL, FRONT AND SIDE PUSH BUTTON CONTROLS, ANTI-SQUIRT CHROME PLATED BUBBLER WITH STREAM GUARD AND AUTOMATIC STREAM REGULATOR. PROVIDE STAINLESS STEEL PERFORATED STRAINER WITH CONCEALED WASTE, CONCEALED WATER SUPPLY STOP AND CHROME PLATED P-TRAP. COMPRESSOR: HERMETICALLY SEALED. MOTOR: THERMAL OVERLOAD PROTECTED. PROVIDE SUPPORTS AS REQUIRED TO SUPPORT EWC. CAPACITY EQUAL TO 8.1 GPH OF 50 DEGREE F DRINKING WATER, AT AN INLET TEMPERATURE OF 80 DEGREES F, AND A ROOM TEMPERATURE OF 90 DEGREES F. ACCEPTABLE MANUFACTURERS: ELKAY (EZSTL8C), HALSEY TAYLOR, HAWS.	1/2"	N/A	1-1/4"	1-1/2"
HB1	HOSE BIBB- PIPE MOUNTED MALE COMPRESSION HOSE BIBB, WITH LEVER HANDLE, CHROME PLATED FINISH WITH 3/4 INCH INLET AND STANDARD HOSE THREAD. PROVIDE SPOUT END IN-LINE ATMOSPHERIC VACUUM BREAKER. HANDLES SHALL BE COLOR INDEXED AND IMPRINTED LETTERING "HOT" OR "COLD" RELATIVE TO SERVICE. WATER SIZE INDICATED ON DRAWINGS. ACCEPTABLE MANUFACTURERS: CHICAGO FAUCET (293-E27), T&S BRASS, ZURN.	3/4"	N/A	N/A	N/A
L1	LAVATORY- SELF-RIMMING WHITE VITREOUS CHINA, 20"x17" OVAL BASIN, DRILLINGS ON 8 INCH CENTERS AND OVERFLOW. ACCEPTABLE MANUFACTURERS: KOHLER (K-2196), AMERICAN STANDARD, GERBER, ELJER, CRANE. LAVATORY TRIM: 8 INCH SUPPLY FITTINGS, 4 INCH WRIST BLADE HANDLES, VANDAL RESISTANT AERATOR, CAST BRASS PLUG WITH FLAT STRAINER, ANGLE STOPS BY BRASSCRAFT OR McGUIRE, 17 GAUGE 1 1/4 INCH O.D. TAILPIECE, 17 GAUGE 1 1/4 INCH P-TRAP BY BRASSCRAFT, McGUIRE, DEARBORN AND 5-3/8 INCH SPOUT. ACCEPTABLE MANUFACTURERS:CHICAGO FAUCET (786-E3-327A), T&S BRASS, SPEAKMAN, DELTA COMMERCIAL. ACCESSORIES: PIPING EXPOSED BELOW LAVATORY SHALL BE HEAVILY CHROME PLATED.	1/2"	1/2"	1 1/4"	1 1/2"
L2	LAVATORY- WALL HUNG WHITE VITREOUS CHINA, 20"x18" MINIMUM RECTANGULAR BASIN, 4" HIGH BACK, DRILLINGS ON 8" CENTERS, SPLASH LIP, OVERFLOW, SUITABLE FOR CONCEALED ARM CARRIERS. ACCEPTABLE MANUFACTURERS: KOHLER (K2030), AMERICAN STANDARD, GERBER, ELJER, CRANE. LAVATORY TRIM: 8 INCH SUPPLY FITTINGS, 4 INCH WRIST BLADE HANDLES, VANDAL RESISTANT AERATOR, CAST BRASS PLUG WITH FLAT STRAINER, ANGLE STOPS BY BRASSCRAFT OR McGUIRE, 17 GAUGE 1 1/4 INCH O.D. TAILPIECE, 17 GAUGE 1 1/4 INCH P-TRAP BY BRASSCRAFT, McGUIRE, DEARBORN AND 5-3/8 INCH SPOUT. ACCEPTABLE MANUFACTURERS:CHICAGO FAUCET (786-E3-327A), T&S BRASS, SPEAKMAN, DELTA COMMERCIAL. ACCESSORIES: PROVIDE WITH CARRIER. MOUNT WITH CARRIER BOLTED SECURELY TO FLOOR. VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS. PIPING EXPOSED BELOW LAVATORY SHALL BE HEAVILY CHROME PLATED.	1/2"	1/2"	1 1/4"	1 1/2"
MSB1	MOP SERVICE BASIN- FLOOR MOUNTED WHITE MOLDED STONE, 24"x24"x10" DEEP WITH 1 INCH WIDE SHOULDERS, STAINLESS STEEL STRAINER AND BUMPER GUARD. ACCEPTABLE MANUFACTURERS: FIAT (MSB-2424), STERN-WILLIAMS, MUSTEE. MOP SERVICE BASIN TRIM: CHROME PLATED CAST BRASS VACUUM BREAKER SPOUT, 3/4 INCH HOSE THREADED OUTLET, PAIL HOOK WITH WALL SUPPORT, INTEGRAL SCREWDRIVER STOPS WITH COVERING CAPS, STRAIGHT SHANK WITH FLANGE AND CROSS TYPE HANDLES. ACCEPTABLE MANUFACTURERS: CHICAGO FAUCET (540-LD-897S-WXF-633), T&S BRASS, SPEAKMAN, CAMBRIDGE. ACCESSORIES: PROVIDE WITH 5 FEET OF 1/2 INCH PLAIN END REINFORCED RUBBER HOSE, HOSE CLAMP AND MOP HANGER.	3/4"	3/4"	3"	2"
SC1	SILLCOCK (EXTERIOR)- NON-FREEZE KEY OPERATED WITH 1-5/8 INCH BRASS CASTINGS. BRASS OPERATING MECHANISM, ADJUSTABLE LOCK NUT, REMOVABLE NYLON SEAT, NICKEL BRASS DEEP BOX WITH KEY HANDLE, INTEGRAL ANTI-SIPHON, NON-FREEZE VACUUM BREAKER AND WALL CLAMP. LENGTH OF WALL CLAMP AS REQUIRED BY WALL CONSTRUCTION AND ALL OTHER MOUNTING AS REQUIRED BY MANUFACTURER.	3/4"	N/A	N/A	N/A
SK1	SINK- SELF-RIMMING, 18 GA. TYPE 302 STAINLESS STEEL 33"x22"x6" DEEP DOUBLE COMPARTMENT, UNDERCOATED AND THREE HOLE DRILLING. ACCEPTABLE MANUFACTURERS: ELKAY DAYTON (LRAD332260), GERBER, JUST. TRIM: 8 INCH SUPPLY FITTINGS, SINGLE LEVER-TYPE HANDLE, AERATOR, BASKET STRAINER, ANGLE STOPS BY BRASSCRAFT OR McGUIRE, 17 GA. 1-1/2 INCH O.D. TAILPIECE, 17 GA. 1-1/2 INCH P-TRAP WITHOUT CLEANOUT BY BRASSCRAFT, McGUIRE, OR DEERBORN AND 8 INCH LONG SWING SPOUT. ACCEPTABLE MANUFACTURERS: DELTA (100-ELT), CAMBRIDGE, MOEN. ACCESSORIES: ALL EXPOSED CHROME TRIM SHALL BE HEAVILY CHROME PLATED.	1/2"	1/2"	2"	1 1/2"
UR1	URINAL- WALL MOUNTED WHITE VITREOUS CHINA, SIPHON JET WITH INTEGRAL FLUSHING RIM, 3/4 INCH TOP SPUD INLET AND INTEGRAL TRAP. ACCEPTABLE MANUFACTURERS: KOHLER (K-5016-T), AMERICAN STANDARD, ELJER, CRANE. FLUSH VALVE- FLUSH VALVE SHALL BE EXPOSED, CHROME PLATED, DIAPHRAGM TYPE WITH OSCILLATING HANDLE, ESCUTCHEON, INTEGRAL SCREWDRIVER STOP AND VACUUM BREAKER. ACCEPTABLE MANUFACTURERS: SLOAN REGAL (180), DELANY, ZURN AQUAFLUSH. ACCESSORIES: PROVIDE WITH CARRIER. SUPPORT CARRIER WITH TOP AND BOTTOM BEARING PLATES. MOUNT WITH CARRIER BOLTED SECURELY TO FLOOR. TOP OF BOWL RIM SHALL BE AT 22 INCHES ABOVE FLOOR. VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS.	3/4"	-	2"	2"
UR2	URINAL- WALL MOUNTED 17 INCH HIGH RIM FOR HANDICAPPED ACCESSIBILITY, WHITE VITREOUS CHINA, SIPHON JET WITH INTEGRAL FLUSHING RIM, 3/4 INCH TOP SPUD INLET AND INTEGRAL TRAP. ACCEPTABLE MANUFACTURERS: KOHLER (K-5016-T), AMERICAN STANDARD, ELJER, CRANE. FLUSH VALVE- FLUSH VALVE SHALL BE EXPOSED, CHROME PLATED, DIAPHRAGM TYPE WITH OSCILLATING HANDLE MOUNTED AT 44 INCHES MAXIMUM FLOOR TO HANDLE, ESCUTCHEON, INTEGRAL SCREWDRIVER STOP AND VACUUM BREAKER. ACCEPTABLE MANUFACTURERS: SLOAN REGAL (180), DELANY, ZURN AQUAFLUSH. ACCESSORIES: PROVIDE WITH CARRIER. SUPPORT CARRIER WITH TOP AND BOTTOM BEARING PLATES. VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS.	3/4"	-	2"	2"
WC1	WATER CLOSET- WALL MOUNTED, 1.6 GALLON FLUSH, WHITE VITREOUS CHINA, SIPHON JET CLOSET WITH ELONGATED BOWL AND 1-1/2 INCH TOP SPUD INLET. ACCEPTABLE MANUFACTURERS: KOHLER (K-4330), AMERICAN STANDARD, ELJER, CRANE. FLUSH VALVE- FLUSH VALVE SHALL BE EXPOSED, CHROME PLATED, DUAL-FLUSH DIAPHRAGM TYPE WITH OSCILLATING HANDLE, ESCUTCHEON, INTEGRAL SCREWDRIVER STOP AND VACUUM BREAKER. ACCEPTABLE MANUFACTURERS: SLOAN "UPPERCUT" (WES-111), DELANY, ZURN AQUAFLUSH. ACCESSORIES: PROVIDE WITH CHAIR CARRIER.	1-1/4"	-	4"	2"
WC2	WATER CLOSET- WALL MOUNTED 18 INCH HIGH FOR HANDICAPPED ACCESSIBILITY, 1.6 GALLON FLUSH, WHITE VITREOUS CHINA, SIPHON JET CLOSET WITH ELONGATED BOWL AND 1-1/2 INCH TOP SPUD INLET. ACCEPTABLE MANUFACTURERS: KOHLER (K-4330), AMERICAN STANDARD, ELJER, CRANE. FLUSH VALVE- FLUSH VALVE SHALL BE EXPOSED, CHROME PLATED, DUAL-FLUSH DIAPHRAGM TYPE WITH OSCILLATING HANDLE MOUNTED AT 10 INCHES ABOVE RIM OF WATER CLOSET AND LOCATED ON THE WIDE SIDE OF TOILET AREA, ESCUTCHEON, INTEGRAL SCREWDRIVER STOP AND VACUUM BREAKER. ACCEPTABLE MANUFACTURERS: SLOAN "UPPERCUT" (WES-111), DELANY, ZURN AQUAFLUSH. ACCESSORIES: PROVIDE WITH CHAIR CARRIER.	1-1/4"	-	4"	2"

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ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

BID SET

PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	EJG/DPS
Reviewed:	EJG
Book No.: -	Field: -

SHEET TITLE:

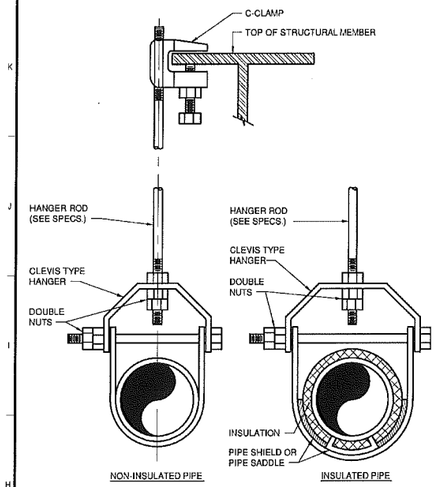
PLUMBING SCHEDULES

SHEET NUMBER:

P2.1

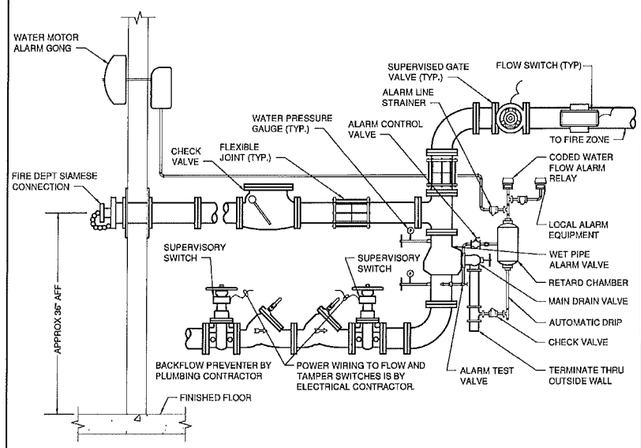
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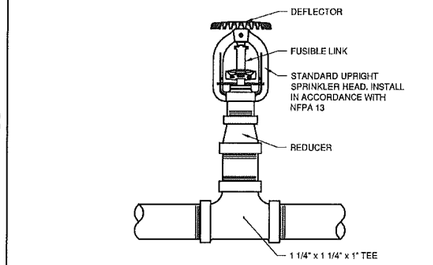
9 Single Pipe Hanger Detail

Scale: Not To Scale



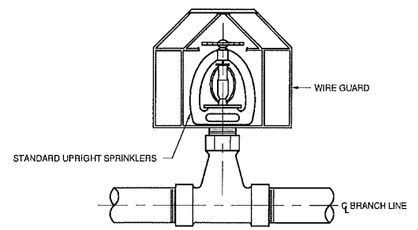
6 Wet-Pipe Alarm Valve Schematic

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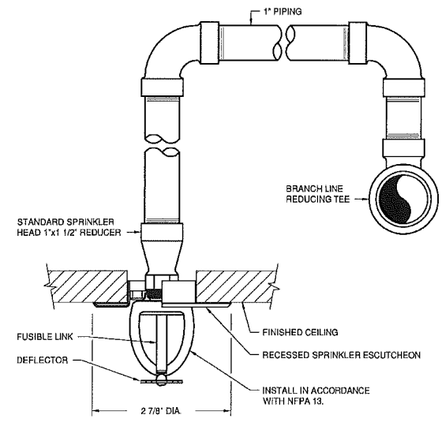
3 Standard Upright Sprinkler Head Detail

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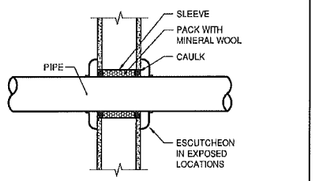
2 Upright Sprinkler and Water Shield Detail

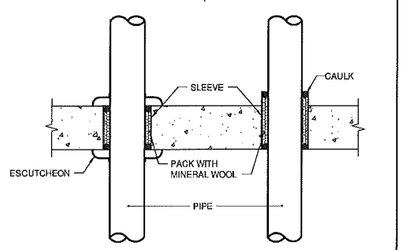
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1 Typ. Recessed Sprinkler Head & Escutcheon Detail

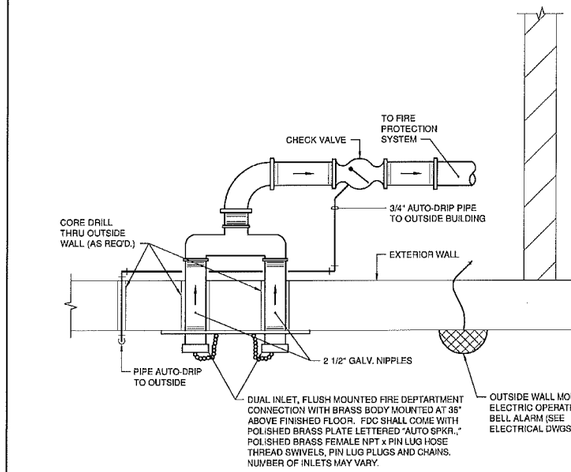
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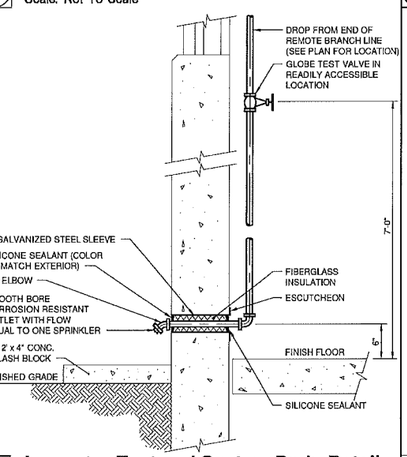
8 Wall And Floor Penetration Details

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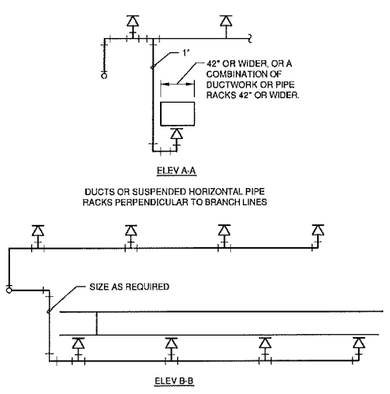
5 Flush Mounted Fire Department Connection Detail

Scale: Not To Scale



7 Inspector Test and System Drain Detail

Scale: Not To Scale



4 Automatic Sprinkler Head Detail Under Ducts & Pipe Racks

Scale: Not To Scale

FLOW TEST INFORMATION

STATIC PSI	RESIDUAL PSI	FLOW GPM	DATE	LOCATION	FLOW TESTED BY
67.7	64.1	1000	Mar-10	SANGAMON DR. @ NODE J-1694	ILLINOIS AMERICAN WATER

THE FLOW TEST INFORMATION LISTED ABOVE IS INTENDED AS A REFERENCE FOR THE FIRE PROTECTION CONTRACTOR. THE FIRE PROTECTION CONTRACTOR SHALL PERFORM A HYDRAULIC FLOW TEST NEAR THE PROJECT SITE TO VERIFY ACTUAL FLOW CONDITIONS ON WHICH TO BASE THE FIRE PROTECTION DESIGN.

General Notes

1. THE FIRE PROTECTION CONTRACTOR SHOULD USE NFPA-13 (CURRENT EDITION), CHAPTER 8, "PLANS AND CALCULATIONS" AS A GUIDELINE WHEN PREPARING SUBMITTALS FOR REVIEW. DISREGARD ONLY THOSE ITEMS NOT APPLICABLE TO THE INDIVIDUAL BUILDING SYSTEM. FIRE PROTECTION MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA-13 FOR THE INSTALLATION OF AUTOMATIC/ SPRINKLER SYSTEM.
2. THE FIRE PROTECTION CONTRACTOR SHALL COMPLY WITH THE INTERNATIONAL BUILDING CODE, 2003 EDITION. INSTALLATION SHALL MEET THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
3. REFER TO ARCHITECTURAL DRAWINGS FOR THE REFLECTED CEILING PLANS WHICH INDICATE CEILING HEIGHTS. COORDINATE WITH ARCHITECT'S REFLECTED CEILING PLAN FOR PROPOSED LOCATION OF SPRINKLER HEADS IN AREAS WITH CEILINGS. LOCATE HEADS IN AREAS WITHOUT CEILINGS AS REQUIRED BY BOCA, NFPA AND AUTHORITY HAVING JURISDICTION REQUIREMENTS FOR THE APPROPRIATE HAZARD CLASSIFICATION.
4. THIS FACILITY SHALL BE A TOTALLY SPRINKLERED BUILDING. FIRE SUPPRESSION SYSTEM SHALL BE WET PIPE TYPE SYSTEM WITH COMPLETE SPRINKLER PROTECTION ON THE FIRST AND SECOND FLOORS. THE SYSTEM SHALL BE DESIGNED AS REQUIRED BY IBC, NFPA, AND AUTHORITY HAVING JURISDICTION REQUIREMENTS FOR THE APPROPRIATE HAZARD CLASSIFICATION.
5. SPRINKLER HEAD LAYOUTS INDICATED ARE BASED ON OCCUPANCY HAZARD CLASSIFICATIONS OUTLINED IN NFPA-13 STANDARDS. GENERALLY, PUBLIC/ OFFICE AREAS ARE BASED ON "LIGHT HAZARD", AND STORAGE/ MECHANICAL AREAS ARE BASED ON "ORDINARY HAZARD". EXTENDED COVERAGE DISTRIBUTION IS NOT INDICATED, BUT MAY BE UTILIZED WHERE SPACE MEETS REQUIREMENTS SET FORTH IN NFPA-13.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HYDRAULICALLY CALCULATE SPRINKLER REQUIREMENTS PER THE APPROPRIATE HAZARD OCCUPANCY AND PROVIDE ACTUAL NUMBER OF HEADS, REQUIRED SPACING AND PIPE ROUTING AS REQUIRED FOR CLEARANCE WITH STRUCTURAL CONDITIONS AND OTHER TRADES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM IN ACCORDANCE WITH BOCA, NFPA AND AUTHORITY HAVING JURISDICTION REQUIREMENTS.
7. FIRE PROTECTION CONTRACTOR SHOULD OBTAIN FLOW TEST DATA INDICATING THE WATER FLOW AND PRESSURE AVAILABLE TO THE FACILITY OR MAKE ARRANGEMENTS TO HAVE A FLOW TEST PERFORMED. FIRE PROTECTION CONTRACTOR TO INCLUDE IN THEIR BID, ALL COSTS ASSOCIATED WITH FLOW TEST. SUBMIT HYDRAULIC CALCULATIONS AND PLANS RELATED TO A MINIMUM OF 1 REMOTE AREA FOR REVIEW.
8. PIPING IS SHOWN IN SCHEMATIC FORM TO INDICATE APPROXIMATE ARRANGEMENT OF EQUIPMENT AND PIPING. SPRINKLER CONTRACTOR SHALL DESIGN THE SYSTEM AND ROUTE PIPING AS REQUIRED FOR CONFORMANCE WITH ACTUAL BUILDING CONDITIONS AND NFPA REQUIREMENTS. COORDINATE SPRINKLER WORK WITH ALL OTHER TRADES TO AVOID CONFLICT.
9. REFER TO SPECIFICATION SECTIONS IN DIVISION 21 (2004) FOR ADDITIONAL INFORMATION PERTAINING TO THE FIRE PROTECTION SYSTEM.
10. SUPPORT ALL NEW PIPING AND EQUIPMENT FROM STRUCTURE ABOVE AS REQUIRED. CONTRACTOR SHALL PROVIDE ALL SUPPLIMENTAL STEEL TO SPAN BETWEEN PRIMARY BUILDING STRUCTURAL MEMBERS. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE DESIGN OF SUPPLEMENTAL STEEL AND SUPPORTS INCLUDING REACTION LOADS AT PRIMARY BUILDING STRUCTURAL MEMBERS.
11. PROVIDE SPRINKLER HEADS IN CONCEALED LOCATIONS PER NFPA REQUIREMENTS.
12. DURING CONSTRUCTION PROCEDURES, THE ENTIRE WORK AREA SHALL BE CLEAN OF ALL DUST, DIRT, AND OTHER DEBRIS BEFORE APPLICATION OF ANY NEW MATERIALS.
13. THESE DRAWINGS INDICATE THE GENERAL EXTENT OF THE WORK AND ARE NOT INTENDED TO SHOW OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF CONTRACT DOCUMENTS.
14. PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, ETC. REQUIRED FOR COMPLETE AND FUNCTIONAL SYSTEM AS SPECIFIED AND INDICATED ON THE DRAWINGS.
15. INCLUDE IN BID, ALL LICENSE, PERMIT, INSPECTION, AND OTHER FEES REQUIRED BY UTILITY COMPANIES OR AUTHORITIES HAVING JURISDICTION REQUIRED FOR COMPLETION OF WORK SO NO ADDITIONAL EXPENSES ARE INTRODUCED TO OWNER.
16. PROMPTLY INFORM THE ENGINEER, IN WRITING, OF ANY DEVIATIONS IN THE CONTRACT DOCUMENTS FROM REQUIREMENTS OF LOCAL UTILITIES, MUNICIPALITIES, STATE OR FEDERAL LAWS AND REGULATIONS. PERFORM WORK IN ACCORDANCE WITH SUCH REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
17. FIRE PROTECTION CONTRACTOR SHALL SUBMIT ONE COMPLETE SET OF AUTOMATIC SPRINKLER SYSTEM DRAWINGS, HYDRAULIC CALCULATIONS, CURRENT WATER FLOW TEST, AND THE EQUIPMENT DATA BROCHURES PREPARED BY OR UNDER THE SUPERVISION OF, AND SEALED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN ILLINOIS TO ALL AUTHORITIES HAVING JURISDICTION FOR REVIEW AND APPROVAL. SYSTEM SHALL ALSO BE IN COMPLIANCE WITH ILLINOIS PLUMBING CODE SECTION 890.1130.D.
18. PROVIDE FIRE STOPS/SEALANT AT ALL PIPE PENETRATIONS THROUGHOUT FIRE RATED WALLS. REVIEW ARCHITECTURAL PLANS PRIOR TO BIDDING AND INDICATE PENETRATIONS ON SPRINKLER LAYOUT SUBMITTAL.
19. ELECTRONIC FLOW AND TAMPER SWITCHES ARE TO BE PURCHASED AND INSTALLED BY SPRINKLER CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR.
20. WATER SERVICE AND DETECTOR TYPE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER TO BE PROVIDED, INSTALLED AND TESTED BY PLUMBING CONTRACTOR. SPRINKLER CONTRACTOR IS TO INCORPORATE ASSOCIATED PRESSURE DROP OF SELECTED BACKFLOW PREVENTER DEVICE IN HYDRAULIC CALCULATIONS.
21. FIRE PROTECTION CONTRACTOR SHALL FURNISH AND INSTALL ARMOVER SUPPORTS FOR ALL END OF LINE BRANCH LINES PER NFPA- 13, SECTION: 9.2.3.4. REFER TO A.9.2.3.4.3(B) FOR ACCEPTABLE.
22. THE FIRE PROTECTION CONTRACTOR SHOULD LOCATE THE INSPECTOR'S TEST CONNECTION AND MAIN DRAIN IN LOCATIONS IN ACCORDANCE WITH NFPA- 13.
23. ALL EXPENSES CARRIED BY THE A/E IN TROUBLESHOOTING SYSTEM(S) PROBLEMS CAUSED BY INADEQUATE WORKMANSHIP, LACK OF TECHNICAL EXPERTISE OR OTHER FORMS OF POOR PERFORMANCE ON THE PART OF A CONTRACTOR, SHALL BE BORN BY THAT CONTRACTOR.
24. SPRINKLER HEADS SHALL BE IN A SYMMETRICAL PATTERN (NOT NECESSARILY) IN THE CENTER OF ROOMS, CORRIDORS OR CEILING TILE.
25. ALL DROPS TO SPRINKLER HEADS SHALL TEE/ ELBOW OFF TOP OF BRANCH PIPE, EXCEPT WHERE STRUCTURAL, ARCHITECTURAL OR MECHANICAL EQUIPMENT CONDITIONS PRECLUDE CONVENTIONAL INSTALLATION.

FIRE PROTECTION SYMBOLS AND ABBREVIATIONS

—FL—	FIRE LINE		CHECK VALVE
○	UPRIGHT SPRINKLER HEAD		GATE VALVE
⊙	SEMI-RECESSED SPRINKLER HEAD		EXTERIOR GONG
◉	CONCEALED SPRINKLER HEAD		TEST AND DRAIN ASSEMBLY
●	PENDANT SPRINKLER HEAD	FDC	FIRE DEPARTMENT CONNECTION
◀	SIDEWALL SPRINKLER HEAD	FPC	FIRE PROTECTION CONTRACTOR
	ORDINARY HAZARD GROUP 1 OCCUPANCY	TS	TAMPER SWITCH
	ORDINARY HAZARD GROUP 2 OCCUPANCY	FS	FLOW SWITCH
1	KEYED NOTE		
3 / FP1.1	DETAIL MODULE NUMBER; DETAIL OR SECTION MARK; SHOWN ON DRAWING		POINT OF NEW CONNECTION
			POINT OF TERMINATION/CAP

DRAWINGS ARE FOR INFORMATION ONLY.

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ARCHITECTS
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ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

BID SET

PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date: 05/01/13
Design/Drawn: EJG/CJA
Reviewed:
Book No.: - Field: -

SHEET TITLE:

FIRE PROTECTION GENERAL INFORMATION

SHEET NUMBER:

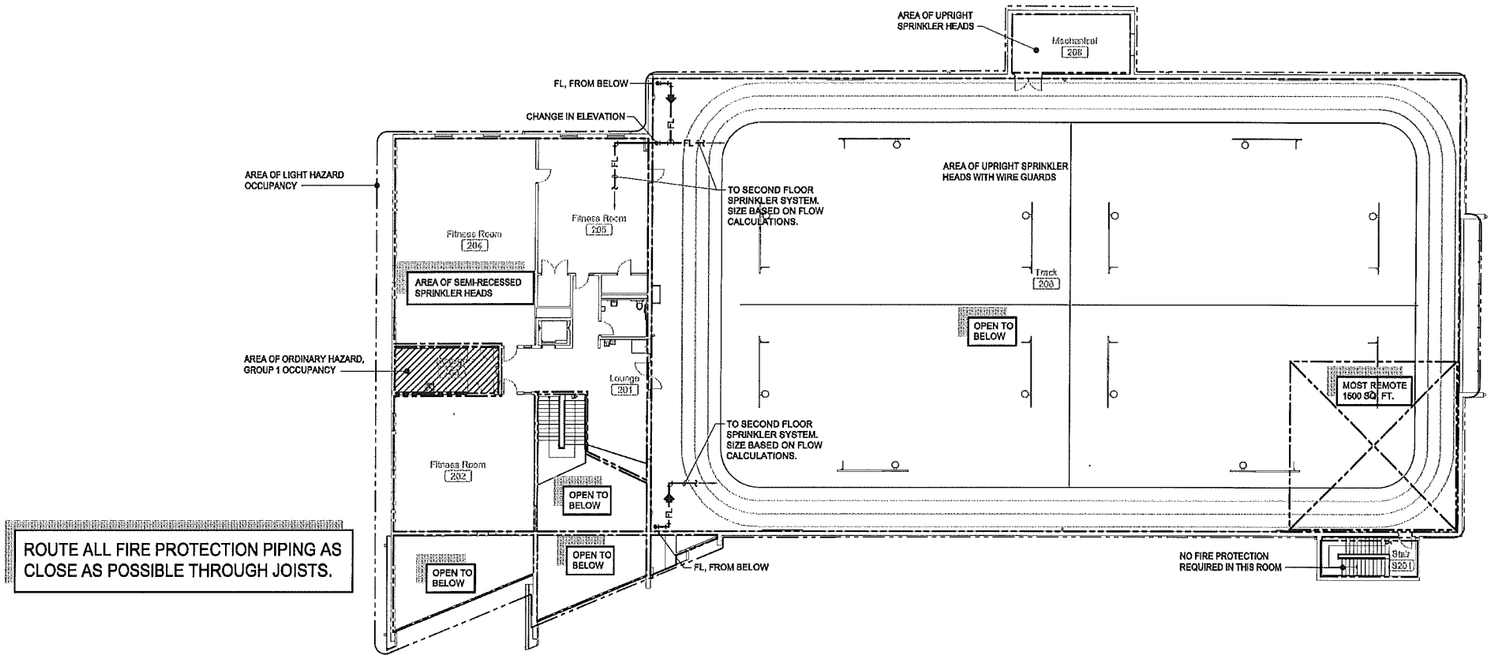
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Project No.: 0111316.00

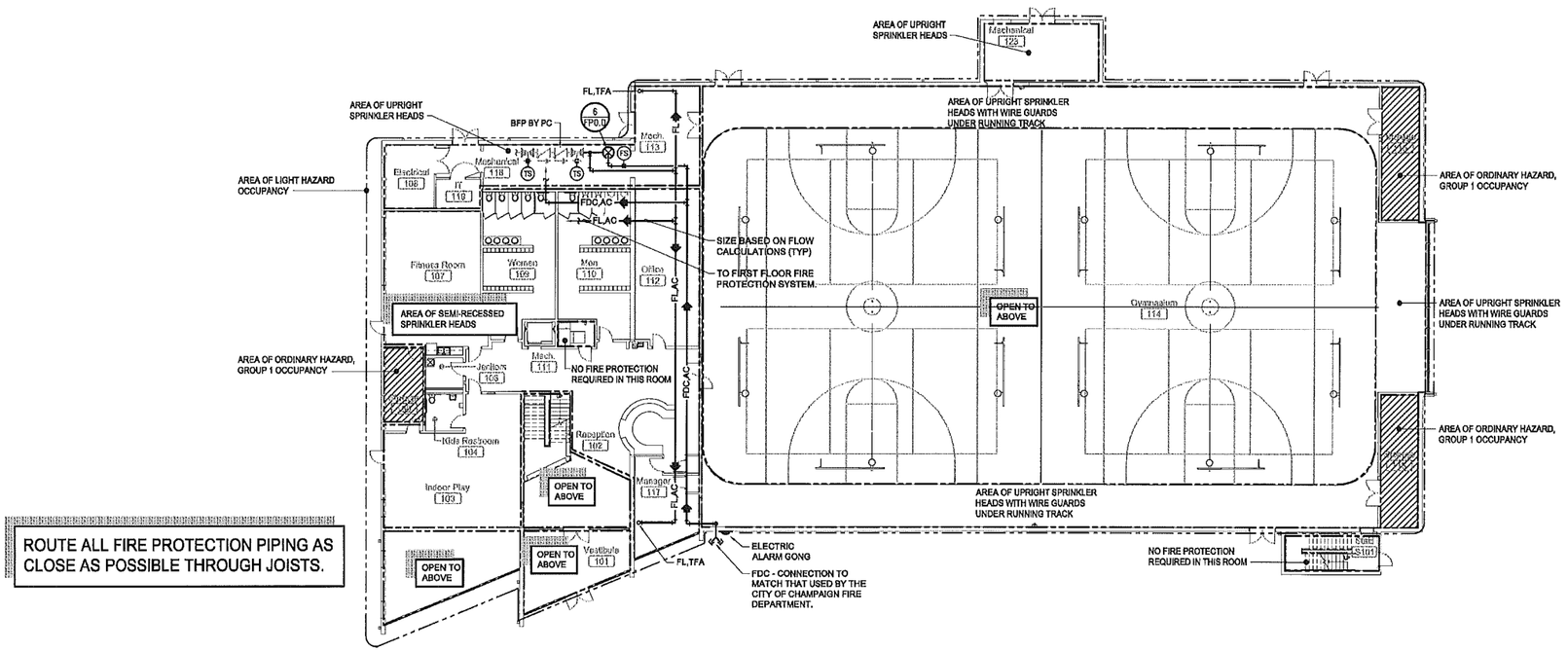
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General Note

1. ANY FIRE PROTECTION EMBEDS AND INSERTS WITHIN PRECAST CONCRETE PANELS SHALL BE COORDINATED DURING THE SHOP DRAWING PHASE WITH THE FIRE PROTECTION CONTRACTOR TO LOCATE ALL INSERTS PRE-ASSEMBLED, LABELED, AND DELIVERED TO THE PRECASTER'S PRODUCTION FACILITY.



2 Fire Protection Plan - Second Floor
Scale: 1/16"=1'-0"



DRAWINGS ARE FOR INFORMATION ONLY.

1 Fire Protection Plan - First Floor
Scale: 1/16"=1'-0"

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SHEET TITLE:

FIRE PROTECTION PLANS

SHEET NUMBER:

FP1.1

Project No.: 0111316.00

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GENERAL SYMBOLS

- AHU 1 — EQUIPMENT CALL-OUT: REFER TO THE EQUIPMENT DATA SCHEDULE FOR DETAILS
- 1 — KEYED NOTE
- 1 — FEEDER CALL-OUT
- 1 — FOOD SERVICE EQUIPMENT DESIGNATION
- ROOM NAME / NO. — ROOM NUMBER
- REVISION CALL-OUT
- NEW EQUIPMENT (TYPICAL)
- EXISTING EQUIPMENT (TYPICAL)
- DEMOLITION EQUIPMENT (TYPICAL)
- WALL MOUNT BRACKET (TYPICAL)

WIRING AND CONDUITS

- PANELBOARD
- CIRCUIT NUMBER
- LP-3 — BRANCH CIRCUIT HOMERUN
- EQUIPMENT GROUND
- NEUTRAL CONDUCTOR
- PHASE CONDUCTOR
- CONDUIT - CONCEALED IN SUSPENDED CEILING OR WALL
- CONDUIT - EXPOSED
- CONDUIT - CONCEALED BELOW SLAB OR GRADE
- CONDUIT - TURNING UP
- CONDUIT - TURNING DOWN
- CONDUIT - UP AND DOWN (CHANGE IN ELEVATION)
- CONDUIT - CONTINUED
- CONDUIT - FLEXIBLE
- CONDUIT - CAPPED
- SLEEVE
- J — JUNCTION BOX
- JUNCTION BOX - EMERGENCY POWER
- CONDUIT FITTING (CONDULET)
- EXPANSION FITTING
- SEALING FITTING
- CABLE TRAY

POWER SYMBOLS

- BRANCH CIRCUIT PANELBOARD - SURFACE MOUNTED
- BRANCH CIRCUIT PANELBOARD - FLUSH MOUNTED
- DISTRIBUTION PANELBOARD OR SWITCHBOARD (DRAWN TO SCALE)
- T — TRANSFORMER (DRAWN TO SCALE)
- MOTOR CONTROL CENTER (DRAWN TO SCALE)
- CONTROL PANEL
- UTILITY KILOWATT-HOUR METER
- SAFETY SWITCH - NON-FUSIBLE
- F — SAFETY SWITCH - FUSIBLE
- MAGNETIC STARTER
- COMBINATION STARTER
- EQUIPMENT - MOTOR
- DUPLEX RECEPTACLE (NEMA 5-20R) - MOUNTED 18" A.F.F.
  - GFI GROUND FAULT CIRCUIT INTERRUPTER
  - GFIH HOSPITAL GRADE GROUND FAULT CIRCUIT INTERRUPTER
  - SS SURGE SUPPRESSOR (ISOLATED GROUND TYPE)
  - WP WEATHERPROOF
  - H HOSPITAL GRADE
  - TP TAMPER PROOF
  - D DEDICATED
- DUPLEX RECEPTACLE - MOUNTED 6" ABOVE COUNTER
- DUPLEX RECEPTACLE - SPLIT WIRED - MOUNTED 18" A.F.F.
- DUPLEX RECEPTACLE - EMEGENCY POWER - MOUNTED 18" A.F.F.
- DUPLEX RECEPTACLE - CEILING MOUNTED
- DUPLEX RECEPTACLE - FLOOR MOUNTED
- DOUBLE DUPLEX RECEPTACLE - MOUNTED 18" A.F.F.
- DOUBLE DUPLEX RECEPTACLE - FLOOR MOUNTED
- SINGLE RECEPTACLE - MOUNTED 18" A.F.F.
- SPECIAL PURPOSE RECEPTACLE - MOUNTED 18" A.F.F.
- SPECIAL PURPOSE RECEPTACLE - CEILING MOUNTED
- SPECIAL PURPOSE RECEPTACLE - FLOOR MOUNTED
- FB — FLOOR OUTLET
  - FB FLOOR BOX
  - FK FIRE-RATED POKE-THRU
- CEILING FAN
- HAND DRYER
- B — SHUNT-TRIP PUSH BUTTON WITH CLEAR LEXAN COVER

ONE-LINE DIAGRAM SYMBOLS

- AUTOMATIC TRANSFER SWITCH
- T-1 45 kVA 3ϕ 480 VAC 208Y/120 VAC — DELTA-WYE TRANSFORMER
- G — GENERATOR
- GROUND
- 100 A / 100 A — CIRCUIT BREAKER
- M 200A — METER

ONE-LINE DIAGRAM SYMBOLS CONTINUED

- M 200A — CT-PT METER
- SERVICE DROP
- 100A / 100A — FUSED SWITCH
- 100A — SWITCH

LIGHTING SYMBOLS

- F1 — LUMINAIRE TYPE
- LUMINAIRE - RECESSED
- 1LP-1a NL — CONNECTED FOR NIGHT LIGHT USE
  - CIRCUIT NUMBER AND SWITCH LEG (LUMINAIRES ARE CONTROLLED BY LOCAL SWITCH UNLESS DESIGNATION GIVEN)
  - PANEL NAME
- LUMINAIRE - SURFACE MOUNTED
- RECESSED LUMINAIRE CONNECTED TO THE EMERGENCY POWER SYSTEM OR BALLAST
- OPEN INDUSTRIAL FLUORESCENT
- OPEN INDUSTRIAL FLUORESCENT EMERGENCY POWER SYSTEM OR BALLAST
- RECESSED DOWNLIGHT - CEILING MOUNTED
- RECESSED DOWNLIGHT w/ EMERGENCY BALLAST - CEILING MTD.
- EXIT SIGN - SINGLE FACE, CEILING MOUNTED ARROW INDICATES DIRECTION OF EXIT
- EXIT SIGN - SINGLE FACE, WALL MOUNTED
- EXIT SIGN - DUAL FACE, CEILING MOUNTED
- EXIT SIGN - DUAL FACE, WALL MOUNTED
- POLE MOUNTED SITE LIGHTING - SINGLE HEAD
- POLE MOUNTED SITE LIGHTING - DUAL HEAD
- POLE MOUNTED SITE LIGHTING - TRIPLE HEAD
- POLE MOUNTED SITE LIGHTING - QUAD HEAD
- DECORATIVE PENDANTS
- PC — PHOTOCELL
- LC — LIGHTING CONTROLLER
- $a — TOGGLE SWITCH - MOUNTED 48" A.F.F.
  - b LOWER CASE LETTER DENOTES LTG. SWITCH GROUP
  - 2 DOUBLE-POLE SINGLE-THROW (DPST)
  - 3 3-WAY
  - 4 4-WAY
  - B PUSHBUTTON
  - D DIMMER (WALL BOX TYPE)
  - K KEY OPERATED
  - M MANUAL MOTOR STARTER
  - P PILOT LIGHT
  - T TIMER
  - WP WEATHER PROOF
- $OC — WALL BOX OCCUPANCY SENSOR
- $OC2 — WALL BOX OCCUPANCY SENSOR FOR TWO LEVEL SWITCHING
- XOa — CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
  - a LOWER CASE LETTER DENOTES LTG. SWITCH GROUP
- DLa — CEILING MOUNTED DAYLIGHT SENSOR
  - a LOWER CASE LETTER DENOTES LTG. SWITCH GROUP
- WALL MOUNTED LUMINAIRE

SPECIAL SYSTEMS SYMBOLS

- PACP — PANIC ALARM EQUIPMENT
  - PACP PANIC ALARM CONTROL PANEL
  - PARK PANIC ALARM REMOTE KEYPAD
- P — PANIC ALARM AUDIO VISUAL DEVICE - 84" AFF
- P — PANIC BUTTON
  - W WALL MOUNTED - 48" AFF
  - C CONCEALED UNDER COUNTER OR DESK TOP
- TV — TV OUTLET MOUNTED 18" AFF UNLESS OTHERWISE NOTED ROUGH IN ONLY WITH 1" CONDUIT TO ACCESSIBLE CEILING

INTERCOM SYSTEM SYMBOLS

- IMS — INTERCOM MASTER STATION
- I — INTERCOM REMOTE STATION
  - P PEDESTAL MOUNT
  - S HIGH SECURITY
  - G GENERAL USE

PAGING SYSTEM SYMBOLS

- AMP # — ZONED AMPLIFIER
  - # QUANTITY OF ZONES
- S # — CEILING MOUNTED SPEAKER
  - # ZONE NUMBER
- S # — WALL MOUNTED SPEAKER
  - # ZONE NUMBER

FIRE ALARM SYMBOLS

- FCP — MAIN CONTROL PANEL (FACP)
  - FCP F/A MAIN CONTROL PANEL
  - FSA FIRE SYSTEM ANNUNCIATOR
  - FTR F/A TRANSPONDER OR TRANSMITTER
  - ESR ELEVATOR STATUS RECALL
  - FRP F/A RELAY PANEL
  - FAC F/A COMMUNICATOR
  - FPS FIRE ALARM ANNUNCIATION CIRCUIT POWER SUPPLY
- F — MANUAL PULL STATION - MOUNTED 46" A.F.F.
- SP — SMOKE DETECTOR
  - P PHOTOELECTRIC
  - PL PLENUM SMOKE DETECTOR
  - S SOUNDER BASE
- D — DUCT DETECTOR HOUSING AND SAMPLING TUBE
- HR — THERMAL (HEAT) DETECTOR
  - R RATE OF RISE ONLY
  - F FIXED TEMPERATURE
  - L LINE TYPE FIXED TEMPERATURE CABLE
  - ALL HEAT DETECTORS SHALL BE 135°, COMBINATION TYPE UNLESS INDICATED OTHERWISE.
- FWF — SUPERVISORY SWITCH
  - DP DRY-PIPE PRESSURE SWITCH
  - WF WATER FLOW SWITCH
  - TS TAMPER SWITCH
- CONTROL DEVICE - DOOR HOLD OPEN
- FC — ADDRESSABLE INTERFACE MODULE
  - C CONTROL
  - M MONITORING
  - S SIGNALLING
  - V SOLENOID VALVE
- C — NOTIFICATION APPLIANCE MOUNTED 80" A.F.F. OR 6" FROM CEILING WHICHEVER IS LOWER
  - C CHIME
  - ALL NOTIFICATION DEVICES SHALL BE CHIME TYPE UNLESS INDICATED OTHERWISE.
- H 75 — NOTIFICATION APPLIANCE - STROBE ONLY MOUNTED 80" A.F.F.
  - CANDELA VALUE AS SHOWN MINIMUM
- 75 — NOTIFICATION APPLIANCE WITH STROBE MOUNTED 80" A.F.F.
  - CANDELA VALUE AS SHOWN MINIMUM
- F — SHUNT TRIP PUSH BUTTON - MOUNTED 46" A.F.F.
- H 115 — NOTIFICATION APPLIANCE (CEILING)
  - H HORN STROBE
  - CANDELA VALUE AS SHOWN MINIMUM
- CARBON MONOXIDE DETECTOR - WALL MOUNTED AT 18" A.F.F.
- CEILING MOUNTED VOICE EVACUATION SPEAKER
- S — WALL MOUNTED VOICE EVACUATION SPEAKER
- S 115 — CEILING MOUNTED COMBINATION VOICE EVACUATION SPEAKER AND STROBE
  - CANDELA VALUE AS SHOWN MINIMUM
- S H 75 — COMBINATION VOICE EVACUATION SPEAKER AND STROBE MOUNTED 80" A.F.F.
  - CANDELA VALUE AS SHOWN MINIMUM

COMMUNICATIONS SYMBOLS (FOR ROUGH-IN ONLY WITH 1"CONDUIT TO ACCESSIBLE CEILING)

- TTB — TELEPHONE TERMINAL BACKBOARD (PROVIDE WITH 3/4" FIRERATED PLYWOOD)
- TTC — TELEPHONE TERMINAL CABINET (DRAWN TO SCALE)
- TELEPHONE OUTLET - WALL MOUNTED
  - - WALL MOUNTED 18" A.F.F.
  - P PAY PHONE
  - T TOUCH TONE DEVICE FOR THE DEAF
  - W WALL PHONE (MOUNTED 54" A.F.F.)
  - D DEDICATED TELEPHONE OUTLET
- ABOVE COUNTER DATA OUTLET
- TELEPHONE OUTLET - FLOOR MOUNTED
- TELEPHONE OUTLET - CEILING MOUNTED
- DATA — COMPUTER/DATA TERMINAL RACK/CABINET (DRAWN TO SCALE)
- COMPUTER OUTLET - WALL MOUNTED 18" A.F.F.
- ABOVE COUNTER DATA OUTLET
- COMPUTER OUTLET - FLOOR MOUNTED
- COMPUTER OUTLET - CEILING MOUNTED
- COMBINATION TELEPHONE/DATA OUTLET - WALL MOUNTED 18" A.F.F
- COMBINATION TELEPHONE/DATA OUTLET - FLOOR MOUNTED
- COMBINATION TELEPHONE/DATA OUTLET - CEILING MOUNTED
- ABOVE COUNTER COMMUNICATIONS OUTLET

A/V SYSTEM SYMBOLS

- AVA — COUNCIL CHAMBER A/V SYSTEM AMPLIFIER
- SEQ — COUNCIL CHAMBER SEQUENCING SYSTEM
- SC — COUNCIL CHAMBERS SPEAKERS
- M — COUNCIL CHAMBER MICROPHONE
- SM — SEQUENCING SYSTEM MASTER
- S — SEQUENCING SYSTEM REMOTE STATION
- M — IN DESK MONITORS (BY OTHERS)

ACCESS CONTROL SYSTEMS SYMBOLS

- ACCP — ACCESS CONTROL CONTROL PANEL
- CR — PROXIMITY CARD READER
  - K WITH KEY PAD
- HANDICAP DOOR OPERATOR

REMOTE RELEASE SYMBOLS

- R — REMOTE DOOR RELEASE (DOOR RELEASE MAY REQUIRE MULTIPLE SYSTEMS TO BE CAPABLE OF RELEASING DOOR, SEE PLAN FOR REQUIREMENTS)
  - S RADIO EQUIPMENT
  - I INTERCOM SYSTEM
  - R RECEPTIONIST DESK
  - P POLICE RECORDS
- BR — REMOTE RELEASE PUSH BUTTON

GENERATOR SYMBOLS

- GAP — GENERATOR ANNUNCIATOR PANEL
- BG — GENERATOR REMOTE STOP BUTTON

CCTV SYSTEMS SYMBOLS

- DVR — DVR AND RACK
- CCTV CAMERA
  - W EXTERIOR MOUNTED
  - R ROUGH SERVICE
  - F FIXED LIGHTING
  - V VARIABLE LIGHTING

Electrical Floor Plan Symbols

Scale: Not To Scale

AC	ABOVE COUNTER	I/O	INPUT/OUTPUT
AFF	ABOVE FINISHED FLOOR	LAN	LOCAL AREA NETWORK
ATS	AUTOMATIC TRANSFER SWITCH	LFMC	LIQUID-TIGHT FLEXIBLE METAL CONDUIT
BC	BELOW CEILING	LP	LIGHTING PANEL
C	CONDUIT/CONDUCTOR	L/S	LUMP SUM
CAM	CAMERA	MCC	MOTOR CONTROL CENTER
CB	CIRCUIT BREAKER	MCP	MOTOR CONTROL PANEL
CC	CONTROLS CONTRACTOR	MH	MANHOLE
CCTV	CLOSED CIRCUIT TELEVISION	NC	NURSE CALL
CCW	COUNTER CLOCKWISE	NL	NIGHT LIGHT
CW	CLOCKWISE	PA	PUBLIC ADDRESS
DCU	DISTRIBUTED CONTROL UNIT	PIR	PASSIVE INFRARED
DN	DOWN	PP	POWER PANEL
DP	DISTRIBUTION PANEL	PR	PAIR
DT	DUST-TIGHT	PVC	POLYVINYL CHLORIDE
DWG	DRAWING(S)	R	RECESSED
EC	ELECTRICAL CONTRACTOR	RF	RADIO FREQUENCY
ELEC	ELECTRIC/ELECTRICAL	RMC	RIGID METAL CONDUIT
EM	EMERGENCY	RNC	RIGID NON-METALIC CONDUIT (SCHD 40 PVC)
EMT	ELECTRICAL METALLIC TUBING	RT	RAINTIGHT
ER	EXISTING (TO BE) RELOCATED	SHLD	SHIELD(ED) (AS IN CABLE)
ETR	EXISTING TO REMAIN	SWBD	SWITCHBOARD
FA	FIRE ALARM	T	TELEPHONE
FMC	FLEXIBLE METAL CONDUIT	TBR	(EXISTING) TO BE REMOVED
FO	FIBER OPTIC	TYP	TYPICAL
FS	FUSIBLE SWITCH	UNG	UNGROUNDED
GF	GROUND FAULT	UPS	UNINTERUPTABLE POWER SUPPLY
GFI	GROUND FAULT CIRCUIT INTERRUPTER	VT	VAPOR-TIGHT
GND	GROUND/GROUNDING	WP	WEATHERPROOF
HH	HANHOLE	WT	WATER-TIGHT
IMC	INTERMEDIATE METAL CONDUIT	XP	EXPLOSION PROOF

Electrical Abbreviations

Scale: Not To Scale

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CHAMPAIGN PARK DISTRICT

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Patricia H. Leonhard Recreation Center

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Date:	05/01/13
Design/Drawn:	TMT
Reviewed:	JDE
Book No.:	- Field: -

SHEET TITLE:

ELECTRICAL SYMBOLS AND ABBREVIATIONS

SHEET NUMBER:

E0.1

Project No.: 0111316.00

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GENERAL NOTES:

A. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, ELEVATIONS, AND BUILDING DETAILS. VERIFY LOCATION OF ALL WALL OUTLETS, SWITCHES, ETC., WITH ARCHITECTURAL DRAWINGS AND ACTUAL CONDITIONS.

B. PRIOR TO ROUGH-IN AND FINAL CONNECTION, VERIFY ELECTRICAL CHARACTERISTICS AND EXACT LOCATION OF EQUIPMENT. THIS VERIFICATION SHALL BE DONE THROUGH THE ARCHITECT.

C. SEE MECHANICAL AND PLUMBING DRAWINGS FOR ELECTRICAL REQUIREMENTS OF ALL MECHANICAL AND PLUMBING EQUIPMENT, FOR WIRING AND CONTROL DIAGRAMS, AND FOR EXACT LOCATION OF EQUIPMENT.

D. COORDINATE SCHEDULE OF CONSTRUCTION WITH THE OWNER, OTHER TRADES AND UTILITIES INVOLVED BEFORE INSTALLATION OF UNDERGROUND FEEDERS, TRENCHING, ETC.

E. USE EXTREME CAUTION DURING EXCAVATION TO LOCATE EXISTING UNDERGROUND PIPING, CONDUITS, ETC. LOCATE AND PROTECT ANY BURIED UTILITIES IN AREAS OF EXCAVATION.

F. GROUT AND SEAL ALL CONDUIT PENETRATIONS OF WALLS AND FLOOR SLABS TO PRESERVE FIRE RATING AND WATERTIGHT INTEGRITY.

G. DRAWINGS SHOW EXISTING CONDITIONS OF THE SITE. AN ATTEMPT HAS BEEN MADE TO SHOW EXISTING BUILDINGS, SITE DETAILS, ETC., BUT ACCURACY CANNOT BE GUARANTEED. VERIFY EXACT LOCATIONS OF ALL CIRCUITS, CONDUITS, PIPING, EQUIPMENT, ETC. VERIFY ALL SITE AND BUILDING DETAILS.

H. PROVIDE DEDICATED, GREEN INSULATED, EQUIPMENT GROUND CONDUCTOR IN ALL CONDUIT AND WIRING RUNS. SIZE EQUIPMENT GROUND CONDUCTOR IN ACCORDANCE WITH CURRENT EDITION OF NATIONAL ELECTRICAL CODE IN FORCE IN JURISDICTION.

I. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY, COORDINATE AND CONFIRM WITH THE MECHANICAL AND PLUMBING CONTRACTOR THE EXACT LOCATIONS: AND FEED REQUIREMENTS OF ALL EQUIPMENT NEEDING AN ELECTRICAL CONNECTION.

J. THE CONTRACTOR SHALL CONTACT AND OBTAIN FROM (?) ALL INFORMATION, REQUIREMENTS, THEIR CONSTRUCTION DRAWINGS AND SPECIFICATIONS TO COMPLETE THE UNDERGROUND ELECTRICAL PRIMARY/SECONDARY SERVICE TO THIS PROJECT. INCLUDE IN BASE BID, BUT NOT LIMIT TO, TRENCHING, BACKFILL, TRANSFORMER CONCRETE PAD, CONTRIBUTION COSTS, ENGINEERING FEE AND SERVICE CHARGES FOR ALL ELECTRICAL SERVICES TO THIS PROJECT.

K. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ACTUAL LAYOUT OF LIGHT FIXTURES AND CEILING TYPES.

L. REFER TO ARCHITECTURAL PLANS TO CONFIRM ALL FIRE-RATED CEILINGS AND WALLS.

1. ALL PENETRATIONS OF FIRE-RESISTIVE FLOORS, CEILINGS, OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAILS THAT CONFORM TO UNDERWRITERS' LABORATORIES LISTINGS FOR "THROUGH-PENETRATION FIRE STOP SYSTEMS." THE CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS, FURNISHED BY THE MANUFACTURER OF THE FIRE STOP MATERIAL, WHICH SHOW COMPLETE CONFORMANCE TO THE UL LISTING AND SHALL BE SPECIFIC FOR EACH PENETRATION WITH ALL VARIABLES DEFINED. THESE FINAL AND APPROVED DRAWINGS SHALL BE READILY AVAILABLE TO THE LOCAL INSPECTORS AT ALL TIMES AT THE PROJECT SITE.

2. ALL RECESSED FLUORESCENT FIXTURES INSTALLED IN FIRE-RATED CEILINGS AND WITHIN FIRE-STOP ENCLOSURES SHALL HAVE LOW-HEAT BALLASTS AND FIRE RATED LABELS.

M. PRIOR TO ANY ROUGH-IN FOR FOUNTAIN RECEPTACLES, COORDINATE WITH THE FOUNTAIN INSTALLER THE EXACT LOCATION SO THAT THE ENTIRE ELECTRIC CORD WILL BE CONCEALED FROM FOUNTAIN TO RECEPTACLE.

N. ALL WALL MOUNTED FIXTURES SHALL BE EQUIPPED WITH A GREEN GROUND WIRE BONDED TO THE HOUSING.

O. ALL RECESSED FIXTURES SHALL HAVE FEED-THROUGH JUNCTION BOXES.

P. FOR EXACT LOCATION OF ALL LIGHT FIXTURES, SEE ARCHITECTURAL DRAWINGS. VERIFY CEILING TYPES PRIOR TO ORDERING FIXTURES.

Q. FINISH OF ALL LIGHTING FIXTURES IS SUBJECT TO ARCHITECT'S APPROVAL. SUBMIT SAMPLES.

R. ALL SELF-CONTAINED EMERGENCY BATTERY PACK EXITS AND LIGHT FIXTURES SHALL BE CIRCUITED TO THE SAME BRANCH LIGHTING CIRCUIT SERVING THE NORMAL LIGHTING IN THE AREA. THE CIRCUIT SHALL BE UNSWITCHED SO THAT THE BATTERY CHARGER IS CONTINUOUSLY BEING ENERGIZED DURING NORMAL POWER CONDITIONS. IF THE LIGHT FIXTURE IS SHOWN OR INDICATED AS BEING SWITCHED, THE LAMPS ONLY SHALL BE CONTROLLED BY THE SWITCHED CONDUCTOR(S).

S. THE ELECTRICAL CONTRACTOR SHALL BE HELD FINANCIALLY RESPONSIBLE FOR ANY AND ALL COSTS OF THE ENGINEERS TIME REQUIRED TO REVIEW AND RESEARCH NON-SPECIFIED EQUIPMENT SUBMITTED FOR SUBSTITUTION BY THE ELECTRICAL CONTRACTOR. THESE COSTS SHALL BE AUTOMATICALLY INVOICED TO THE CONTRACTOR UNLESS SUCH SUBSTITUTIONS FOLLOW THE GUIDELINES FOR SUBSTITUTION AND ARE WITHIN THE PROPER TIME FRAME AS OUTLINED IN OTHER SECTIONS OF THIS SPECIFICATION.

T. FIELD AIM AND ADJUST ALL LIGHT FIXTURES REQUIRING SAME TO THE OWNER'S SATISFACTION.

U. ON LINEAR WALL SLOT LIGHT FIXTURES LAMPS SHALL BE CONTINUOUS INCLUDING CORNERS.

V. PROVIDE AND INSTALL IN EACH PANEL, TYPEWRITTEN NEAT TWO-COLUMN CIRCUIT INDEX CARD SET UNDER PLASTIC COVERS ON INSIDE OF DOORS. EACH ODD-NUMBERED CIRCUIT SHALL BE IN SEQUENCE ON ONE COLUMN AND THE EVEN-NUMBERED CIRCUITS ON THE OTHER COLUMN (E.G. 1,3,5..., 2,4,6...). EACH CIRCUIT SHALL BE IDENTIFIED AS TO THE USE AND ROOM NAME(S) OR AREA(S). THE CONTRACTOR SHALL CONFIRM ROOM NAMES AND/OR ROOM NUMBERS WITH THE ARCHITECT PRIOR TO PROJECT COMPLETION.

W. FROM EACH FLUSH MOUNTED PANEL STUB (2) 3/4"C AND (1) 1"C INTO NEAREST ACCESSIBLE CEILING SPACE.

X. PRIOR TO SUBMITTING BID PROPOSAL, BIDDER SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND VISIT CONSTRUCTION SITE TO BE FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.

Y. ELEVATOR SYSTEM: THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY, COORDINATE AND CONFIRM WITH THE ELEVATOR EQUIPMENT INSTALLER ALL THE FOLLOWING:
1. PROVIDE A TOGGLE SWITCH, 120V DUPLEX RECEPTACLE AND LIGHT FIXTURE DOWN IN ELEVATOR PIT FOR MAINTENANCE AND SERVICE (CONFIRM EXACT LOCATIONS PRIOR TO ROUGH-IN).
2. PROVIDE A TELEPHONE OUTLET AND 120V POWER JUNCTION BOX AT VERTICAL MIDPOINT OF ELEVATOR SHAFT.
3. PROVIDE A SEPARATE 120V CONTROL CIRCUIT FOR ELEVATOR CAR LIGHTS, ALARM, ETC.

Z. HAZARDOUS AREAS: IN DESIGNATED ROOMS AND AREAS, IT IS NOT THE INTENT TO SHOW EACH EXPLOSION-PROOF COMPONENT, SUCH AS SEAL-OFFS, JUNCTION BOXES, ETC. THE CONTRACTOR SHALL COMPLETE ALL WORK IN STRICT COMPLIANCE WITH THE APPLICABLE ARTICLES 500 OF THE N.E.C.

AA. UNLESS INDICATED IN SOME MANNER THAT ELECTRICAL EQUIPMENT IS EXISTING. ALL OTHER EQUIPMENT SHALL BE NEW.

BB. MINIMUM WIRE SIZE ALLOWABLE SHALL BE #12 AWG.

CC. MAXIMUM LENGTH OF FLEXIBLE CABLE AND TUBING ALLOWED IS 6'. SEE SPECIFICATIONS FOR ALLOWABLE USAGE.

DD. THE ELECTRICAL CONTRACTOR SHALL BE HELD FINANCIALLY RESPONSIBLE FOR ANY AND ALL COSTS OF THE ENGINEERS TIME REQUIRED TO REVIEW AND RESEARCH NON-SPECIFIED EQUIPMENT SUBMITTED FOR SUBSTITUTION BY THE ELECTRICAL CONTRACTOR. THESE COSTS SHALL BE AUTOMATICALLY INVOICED TO THE CONTRACTOR UNLESS SUCH SUBSTITUTIONS FOLLOW THE GUIDELINES FOR SUBSTITUTION AND ARE WITHIN THE PROPER TIME FRAME AS OUTLINED IN OTHER SECTIONS OF THIS SPECIFICATION.

EE. ELECTRICAL EMBEDS AND INSERTS WITHIN PRECAST CONCRETE PANELS SHALL BE COORDINATED DURING THE SHOP DRAWING PHASE WITH THE ELECTRICAL CONTRACTOR TO LOCATE ALL INSERTS PRE-ASSEMBLED, LABELED, AND DELIVERED TO THE PRECASTERS PRODUCTION FACILITY.

GENERAL NOTES - CONDUIT AND WIRING:

A. WHERE CONDUIT AND WIRING RUNS ARE NOT SHOWN ON FLOOR PLANS, THE CONTRACTOR SHALL DETERMINE AND PROVIDE THE REQUIRED CONDUIT AND WIRING FOR SPECIFIED CIRCUITING IN ACCORDANCE WITH NEC, DIVISION 16 WIRING METHODS AND THE FOLLOWING MINIMUM REQUIREMENTS:

1. MINIMUM CONDUIT SIZE SHALL BE 3/4".
2. MINIMUM POWER CONDUCTOR SIZE SHALL BE #12 AWG. #10 AWG SHALL BE USED FOR HOME RUNS OF 20 AMP BRANCH CIRCUITS OVER 100 FEET IN LENGTH.
3. EACH RACEWAY SHALL CONTAIN AN INSULATED EQUIPMENT GROUNDING CONDUCTOR PER NEC 250-95.
4. DERATING OF CONDUCTOR AMPACITY SHALL BE APPLIED PER NEC TABLE 310-15.
5. NO SHARING OF NEUTRALS ALLOWED. CIRCUIT SHALL HAVE DEDICATED NEUTRAL CONDUCTORS. ONE CIRCUIT, ONE NEUTRAL.
6. MAXIMUM SIX FOOT FLEXIBLE FIXTURE WHIP SHALL BE USED FOR FINAL CONNECTIONS TO LIGHT FIXTURES INSTALLED IN LAY-IN CEILINGS. MAXIMUM FOUR LIGHT FIXTURE WHIPS SHALL BE CONNECTED FROM ONE JUNCTION BOX. FEED THRU BETWEEN LIGHT FIXTURES SHALL NOT BE ALLOWED.

Electrical Notes

Scale: Not To Scale

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CHAMPAIGN PARK DISTRICT

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PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	TMT
Reviewed:	JDE
Book No.: -	Field: -

SHEET TITLE:

ELECTRICAL NOTES

SHEET NUMBER:

E0.2

Project No.: 0111316.00

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Electrical Site Demolition Plan

Scale: 1"=30'-0"

0 15 30 60

NORTH

Keyed Notes

1. REMOVE EXISTING LIGHT FIXTURE, POLE AND FOUNDATION. RETURN FIXTURE AND POLE TO OWNER.
2. REMOVE EXISTING UNDERGROUND BRANCH CIRCUITS.
3. REMOVE EXISTING UNDERGROUND BRANCH CIRCUIT BACK TO AREA OUTSIDE OF CONSTRUCTION ZONE.
4. EXISTING BRANCH CIRCUIT TO REMAIN.
5. EXISTING LIGHT FIXTURE ASSEMBLY TO REMAIN.
6. PULL CONDUCTORS BACK TO EXISTING LIGHT POLE - TAPE ENDS AND CAP CONDUIT.

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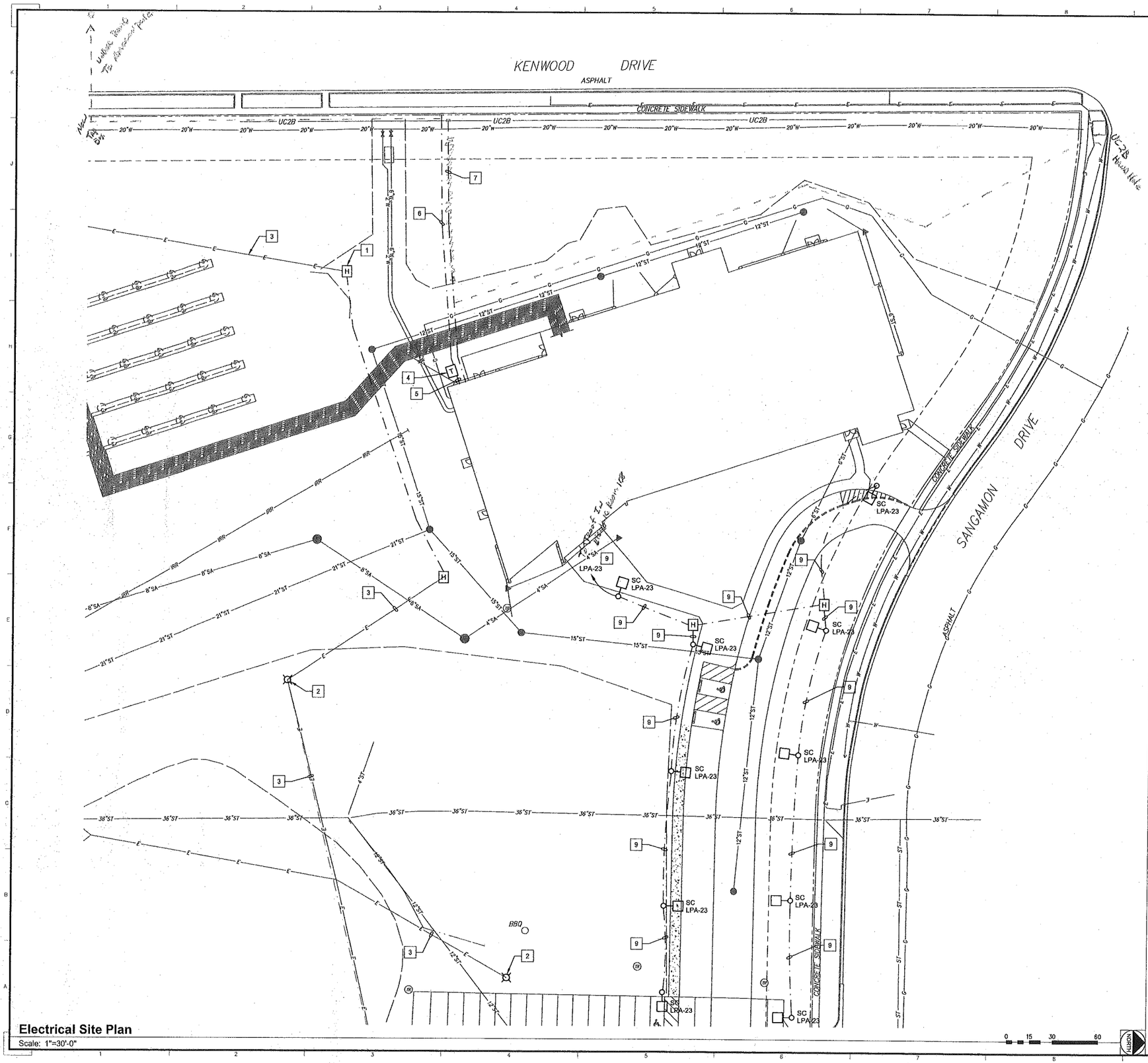
ELECTRICAL DEMOLITION SITE PLAN

SHEET NUMBER:

ESD1.1

Project No.: 0111316.00

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Keyed Notes [#]

1. SET NEW HANDHOLE (12"x12"x36") AND INTERCEPT EXISTING BRANCH CIRCUIT. SPLICE IN SIMILAR SIZE CONDUCTORS AND RE-ROUTE IN NEW CONDUIT.
2. EXISTING LIGHT FIXTURE ASSEMBLY.
3. EXISTING BRANCH CIRCUIT.
4. NEW AMEREN TRANSFORMER PAD PROVIDED BY CONTRACTOR PER AMEREN SPECS.
5. SECONDARY SERVICE - SEE ONE-LINE DIAGRAM.
6. TRANSFORMER PRIMARY 2#4 STUB OUT TO RIGHT OF WAY. COORDINATE WITH AMEREN.
7. 2-4" CONDUIT STUBBED OUT TO PROPERTY LINE AND CAPPED. ONE FOR TELEPHONE AND ONE FOR CATV.
8. SET NEW HANDHOLE (12"x12"x36") FOR NEW PARKING LOT LIGHTING CIRCUITS.
9. 2#8, 1#8G, 1"C.

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SHEET TITLE:

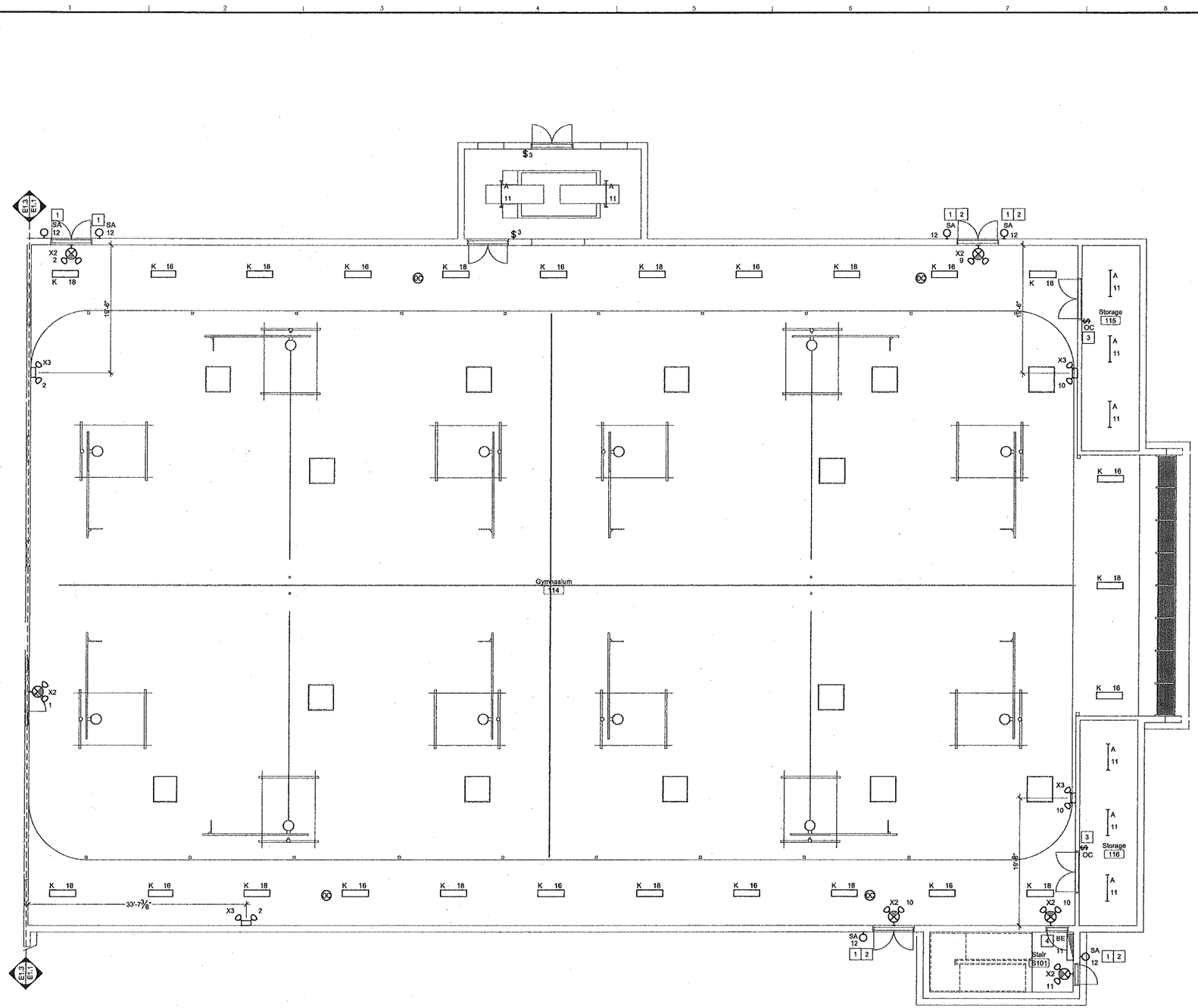
ELECTRICAL SITE PLAN

SHEET NUMBER:

ES1.1

Project No.: 0111316.00

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Keyed Notes

1. ROUTE UN-SWITCHED HOT CONDUCTOR TO BATTERY CHARGER IN FIXTURE TO ALLOW NORMAL MODE SWITCHING WITH RELAY PANEL.
2. ROUTE VIA LIGHTING RELAY PANEL - SEE SCHEDULE SHEET E5.1.
3. WALL BOX OCCUPANCY SENSOR SHALL BE DUAL TECHNOLOGY TYPE.
4. MOUNT AT 96" AFF.

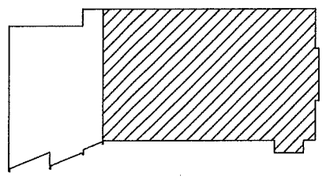
General Notes

A. ALL OCCUPANCY SENSORS IN GYMNASIUM SHALL WORK IN CONCERT WITH LIGHTING RELAY PANEL TO TURN THE 2x4 HIGH BAY LIGHTS ON TO 50% AND ALTERNATE LIGHTS ABOVE AND BELOW TRACK ON. OVERRIDE SWITCHES TO TURN ALL LIGHTS OFF AND 2x4 HIGH BAY TO 100% AND ALTERNATE LIGHTS ABOVE AND BELOW TRACK 100% ARE LOCATED IN PANEL WITH BASKETBALL HOOP CONTROLS. SEE SHEET E2.1.

B. OCCUPANCY SENSOR LAYOUT IS DIAGRAMATIC AND MUST BE CONFIRMED BY SUCCESSFUL VENDOR. ALL RELAYS, POWER PACKS, ETC. MUST BE PROVIDED AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

C. ALL LIGHTING CIRCUITS REFER TO PANEL LPA.

D. ALL DIMENSIONS SHALL BE CONFIRMED AND COORDINATED WITH PRECASTER AND SOUND ABSORBING PANELS.



Key Plan

Scale: None

Enlarged First Floor Lighting Plan - Gym

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

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ENLARGED FIRST FLOOR LIGHTING PLAN - GYM

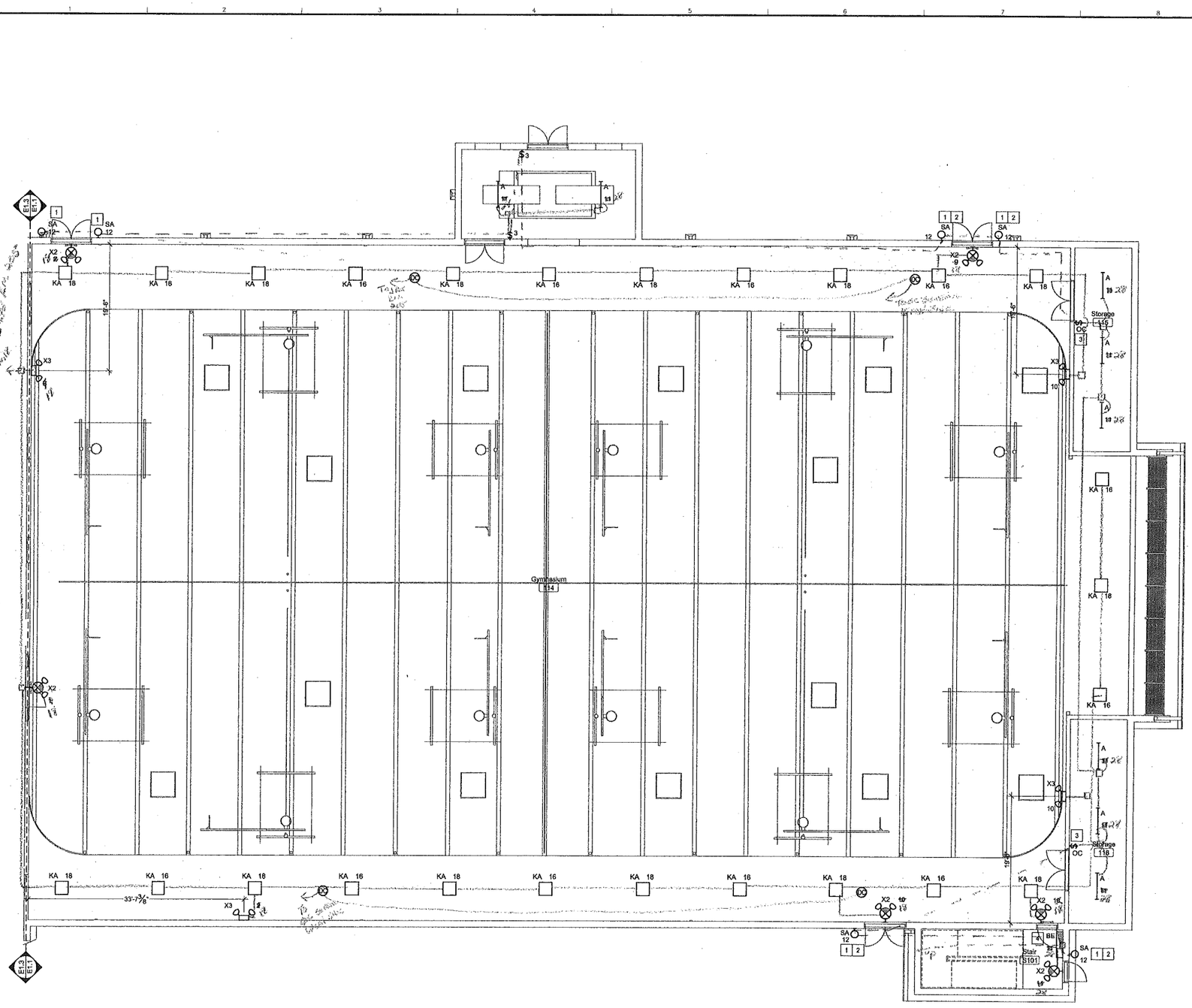
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SHEET NUMBER:

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Project No.: 0111316.00

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Enlarged First Floor Lighting Plan - Gym Alternate Bid

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

Keyed Notes

1. ROUTE UN-SWITCHED HOT CONDUCTOR TO BATTERY CHARGER IN FIXTURE TO ALLOW NORMAL MODE SWITCHING WITH RELAY PANEL.
2. ROUTE VIA LIGHTING RELAY PANEL - SEE SCHEDULE SHEET E5.1.
3. WALL BOX OCCUPANCY SENSOR SHALL BE DUAL TECHNOLOGY TYPE.
4. MOUNT AT 96" AFF.

General Notes

A. ALL OCCUPANCY SENSORS IN GYMNASIUM SHALL WORK IN CONCERT WITH LIGHTING RELAY PANEL TO TURN THE 2x4 HIGH BAY LIGHTS ON TO 50% AND ALTERNATE LIGHTS ABOVE AND BELOW TRACK ON. OVERRIDE SWITCHES TO TURN ALL LIGHTS OFF AND 2x4 HIGH BAY TO 100% AND ALTERNATE LIGHTS ABOVE AND BELOW TRACK 100% ARE LOCATED IN PANEL WITH BASKETBALL HOOP CONTROLS. SEE SHEET E2.1.

B. OCCUPANCY SENSOR LAYOUT IS DIAGRAMATIC AND MUST BE CONFIRMED BY SUCCESSFUL VENDOR. ALL RELAYS, POWER PACKS, ETC. MUST BE PROVIDED AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

C. ALL LIGHTING CIRCUITS REFER TO PANEL LPA.

D. ALL DIMENSIONS SHALL BE CONFIRMED AND COORDINATED WITH PRECASTER AND SOUND ABSORBING PANELS.

Key Plan

Scale: None

ENGINEERS
ARCHITECTS
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SCIENTISTS

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Reviewed:	JDE
Book No.: -	Field: -

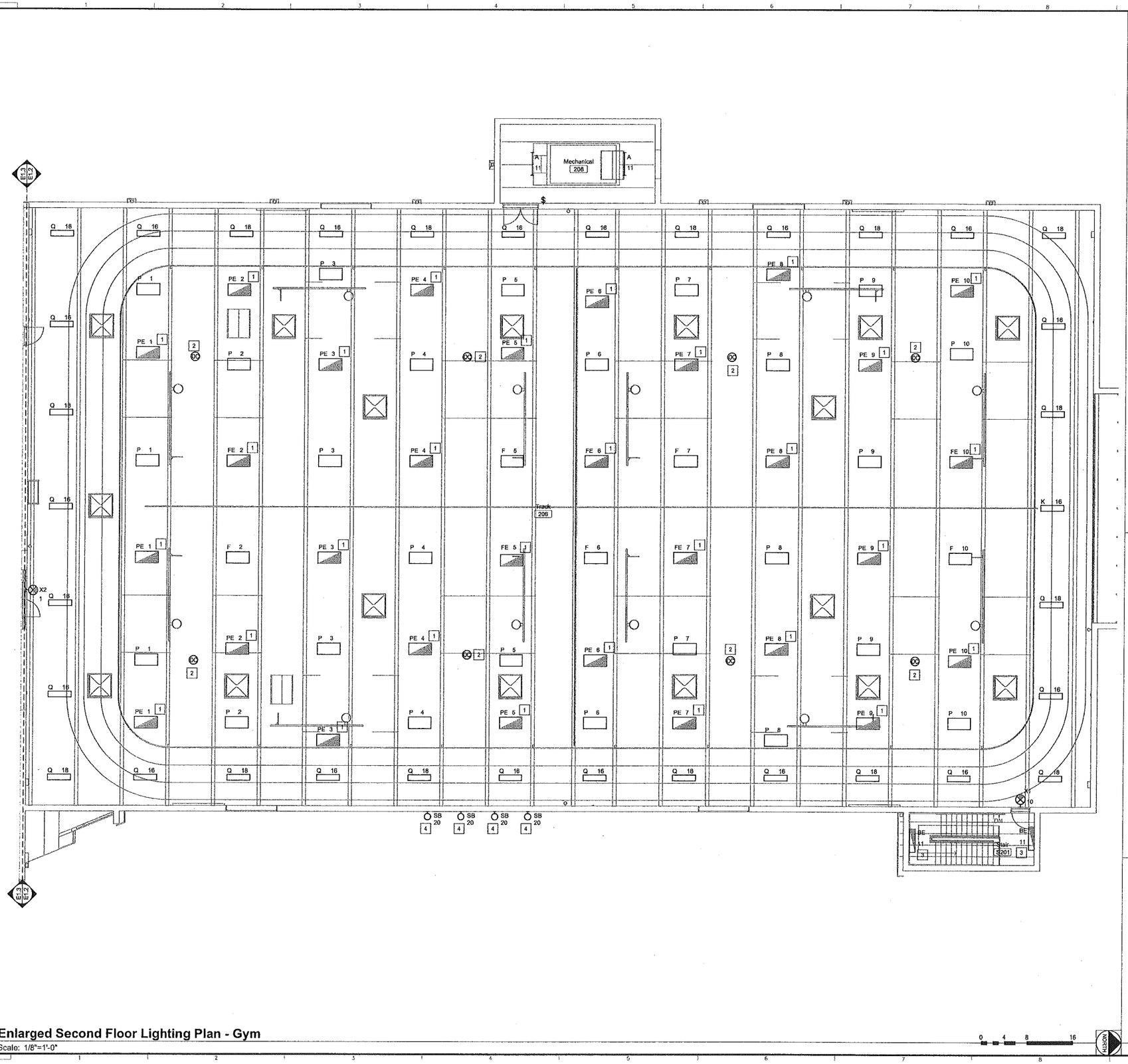
SHEET TITLE:

ENLARGED FIRST FLOOR LIGHTING PLAN - GYM ALTERNATE BID

SHEET NUMBER:

E1.1.1

Project No.: 0111316.00



Keyed Notes

1. RUN ADDITIONAL UN-SWITCHED POWER CONDUCTOR TO THIS FIXTURE AND TERMINATE AT EMERGENCY BATTERY CHARGER.
2. THESE OCCUPANCY SENSORS TO BE HIGH BAY TYPE.
3. MOUNT AT 96" AFF.
4. CONTRACTOR SHALL MOUNT LUMINAIRE 2'-0" ABOVE SIGNAGE. COORDINATE WITH ARCHITECTURAL DRAWINGS AND PRECAST PANELS.

General Notes

A. ALL OCCUPANCY SENSORS IN GYMNASIUM SHALL WORK IN CONCERT WITH LIGHTING RELAY PANEL TO TURN THE 2x4 HIGH BAY LIGHTS ON TO 50% AND ALTERNATE LIGHTS ABOVE AND BELOW TRACK ON. OVERRIDE SWITCHES TO TURN ALL LIGHTS OFF AND 2x4 HIGH BAY TO 100% AND ALTERNATE LIGHTS ABOVE AND BELOW TRACK 100% ARE LOCATED IN PANEL WITH BASKETBALL HOOP CONTROLS. SEE SHEET E2.1.

B. OCCUPANCY SENSOR LAYOUT IS DIAGRAMMATIC AND MUST BE CONFIRMED BY SUCCESSFUL VENDOR. ALL RELAYS, POWER PACKS, ETC. MUST BE PROVIDED AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

C. ALL LIGHTING CIRCUITS FOR GYM SHALL BE ROUTED TO CIRCUITS INDICATED IN PANEL LPA VIA LIGHTING RELAY PANEL. SEE SCHEDULE SHEET E5.1.

D. CONTRACTOR TO CONFIRM AND ADJUST MOUNTING OF LIGHTS TO CLEAR MOTORIZED BACK BOARD CABLES AND MECHANISMS.

E. COORDINATE EXACT LOCATION OF LIGHT FIXTURES WITH BACKBOARD RAISE/LOWER ASSEMBLIES.

Enlarged Second Floor Lighting Plan - Gym
Scale: 1/8"=1'-0"

0 4 8 16

Key Plan
Scale: None

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SHEET TITLE:

ENLARGED SECOND FLOOR LIGHTING PLAN - GYM

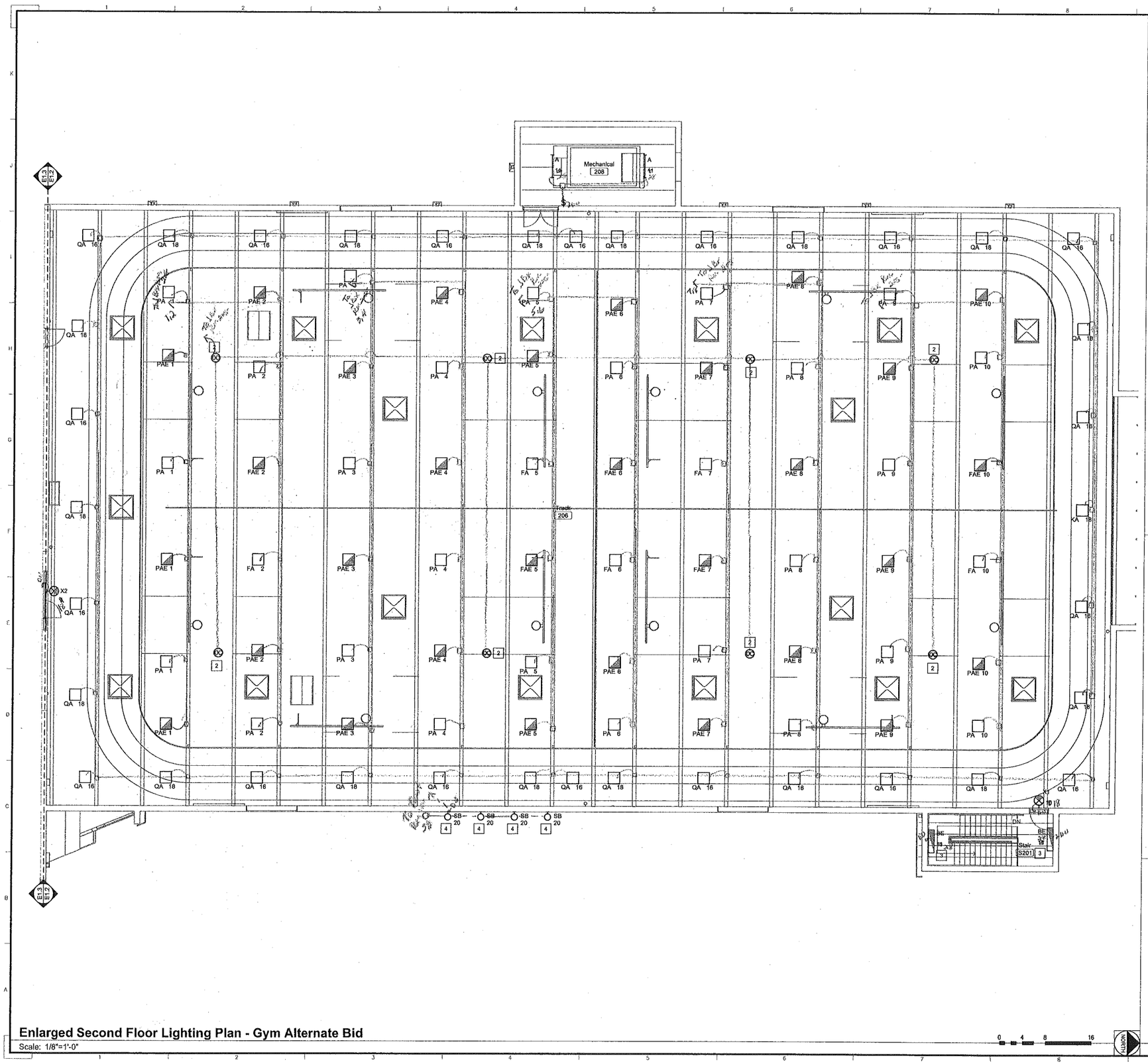
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SHEET NUMBER:

E1.2

Project No.: 0111316.00

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Enlarged Second Floor Lighting Plan - Gym Alternate Bid

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

Keyed Notes

1. RUN ADDITIONAL UN-SWITCHED POWER CONDUCTOR TO THIS FIXTURE AND TERMINATE AT EMERGENCY BATTERY CHARGER.
2. THESE OCCUPANCY SENSORS TO BE HIGH BAY TYPE.
3. MOUNT AT 96" AFF.
4. CONTRACTOR SHALL MOUNT LUMINAIRE 2'-0" ABOVE SIGNAGE. COORDINATE WITH ARCHITECTURAL DRAWINGS AND PRECAST PANELS.

General Notes

A. ALL OCCUPANCY SENSORS IN GYMNASIUM SHALL WORK IN CONCERT WITH LIGHTING RELAY PANEL TO TURN THE 2x4 HIGH BAY LIGHTS ON TO 50% AND ALTERNATE LIGHTS ABOVE AND BELOW TRACK ON. OVERRIDE SWITCHES TO TURN ALL LIGHTS OFF AND 2x4 HIGH BAY TO 100% AND ALTERNATE LIGHTS ABOVE AND BELOW TRACK 100% ARE LOCATED IN PANEL WITH BASKETBALL HOOP CONTROLS. SEE SHEET E2.1.

B. OCCUPANCY SENSOR LAYOUT IS DIAGRAMMATIC AND MUST BE CONFIRMED BY SUCCESSFUL VENDOR. ALL RELAYS, POWER PACKS, ETC. MUST BE PROVIDED AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

C. ALL LIGHTING CIRCUITS FOR GYM SHALL BE ROUTED TO CIRCUITS INDICATED IN PANEL LPA VIA LIGHTING RELAY PANEL. SEE SCHEDULE SHEET E5.1.

D. CONTRACTOR TO CONFIRM AND ADJUST MOUNTING OF LIGHTS TO CLEAR MOTORIZED BACK BOARD CABLES AND MECHANISMS.

E. COORDINATE EXACT LOCATION OF LIGHT FIXTURES WITH BACKBOARD RAISE/LOWER ASSEMBLIES.

Key Plan

Scale: None

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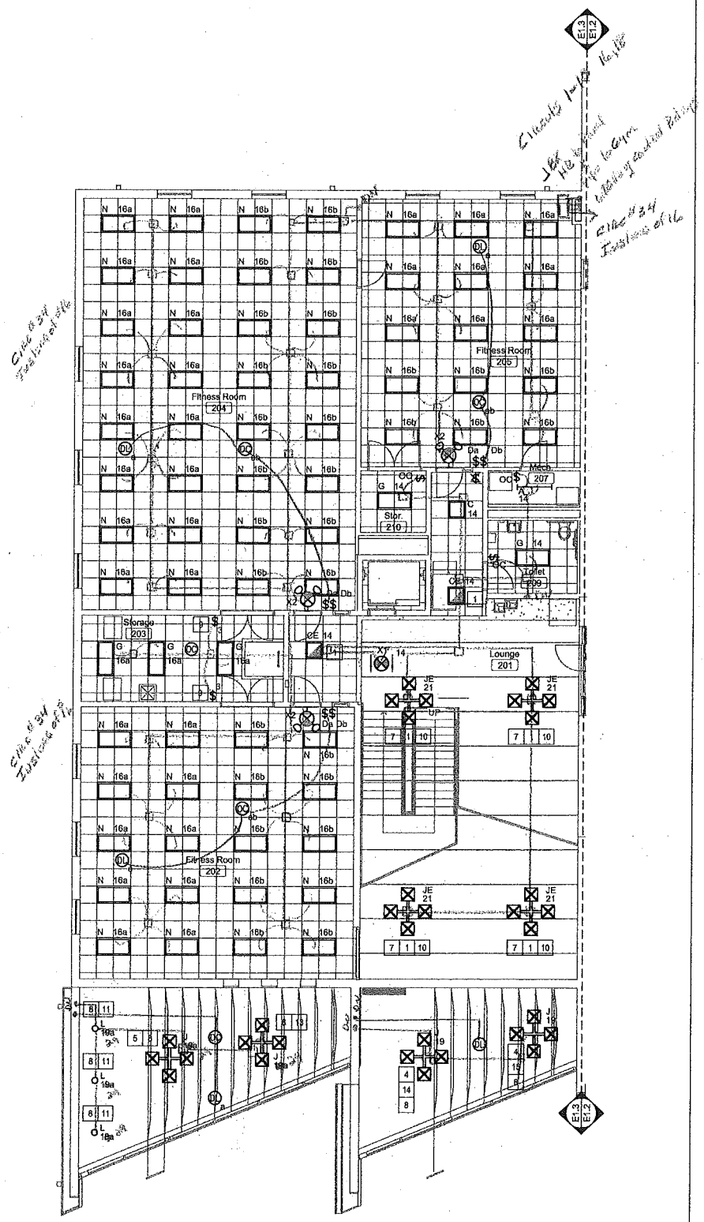
ENLARGED SECOND FLOOR LIGHTING PLAN - GYM ALTERNATE BID

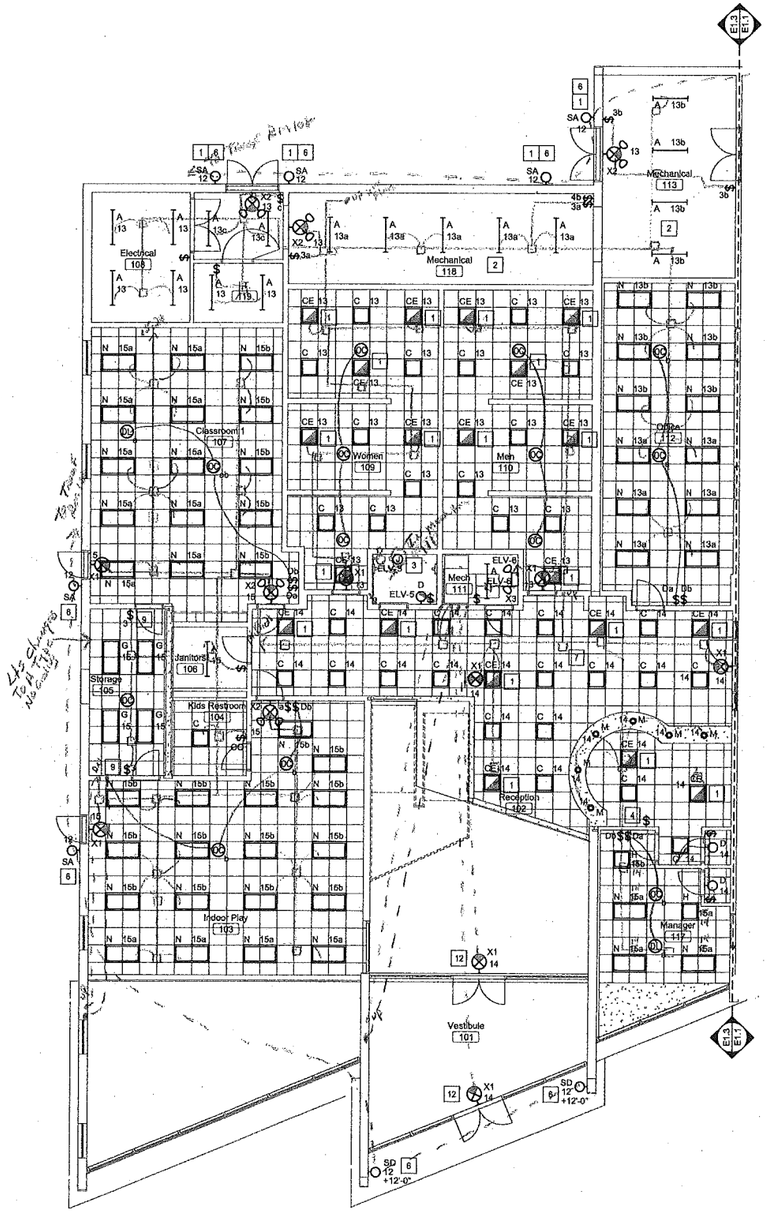
SHEET NUMBER:

E1.2.1

Project No.: 0111316.00

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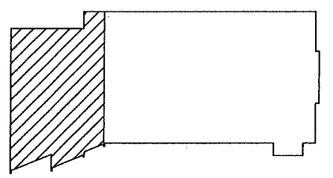
Keyed Notes

1. ROUTE UN-SWITCHED HOT CONDUCTOR TO BATTERY CHARGER IN FIXTURE TO ALLOW NORMAL MODE SWITCHING WITH RELAY PANEL.
2. COORDINATE FIXTURE LOCATION WITH MECHANICAL EQUIPMENT IN SPACE.
3. ELEVATOR CAB LIGHTING.
4. DAYLIGHT SENSOR OVERRIDE CONTROL BEHIND DESK.
5. BOTTOM OF BOWL 16'-3 1/2" AFF.
6. ROUTE CIRCUIT VIA LIGHT RELAY PANEL - SEE SCHEDULE ON SHEET E5.1.
7. ROUTE LOBBY LIGHTING VIA LIGHTING RELAY PANEL - SEE SHEET E5.1.
8. ROUTE LIGHTING VIA LIGHTING RELAY PANEL - SEE SHEET E5.1.
9. THREE-WAY OVERRIDE SWITCH.
10. BOTTOM OF BOWL, 9'-0" AFF SECOND LEVEL.
11. MOUNT TO BOTTOM OF STRUCTURE.
12. CONTRACTOR SHALL ROUTE CONDUIT WITHIN CURTAIN WALL FRAMING.
13. BOTTOM OF BOWL 19'-3" AFF.
14. BOTTOM OF BOWL 16'-0" AFF.
15. BOTTOM OF BOWL 18'-6" AFF.

General Notes

A. OCCUPANCY SENSOR LAYOUT IS DIAGRAMATIC AND MUST BE CONFIRMED BY SUCCESSFUL VENDOR. ALL RELAYS, POWER PACKS, ETC. MUST BE PROVIDED AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

B. ALL CIRCUITS REFER TO PANEL LPA UNLESS OTHERWISE NOTED.



Key Plan
Scale: None

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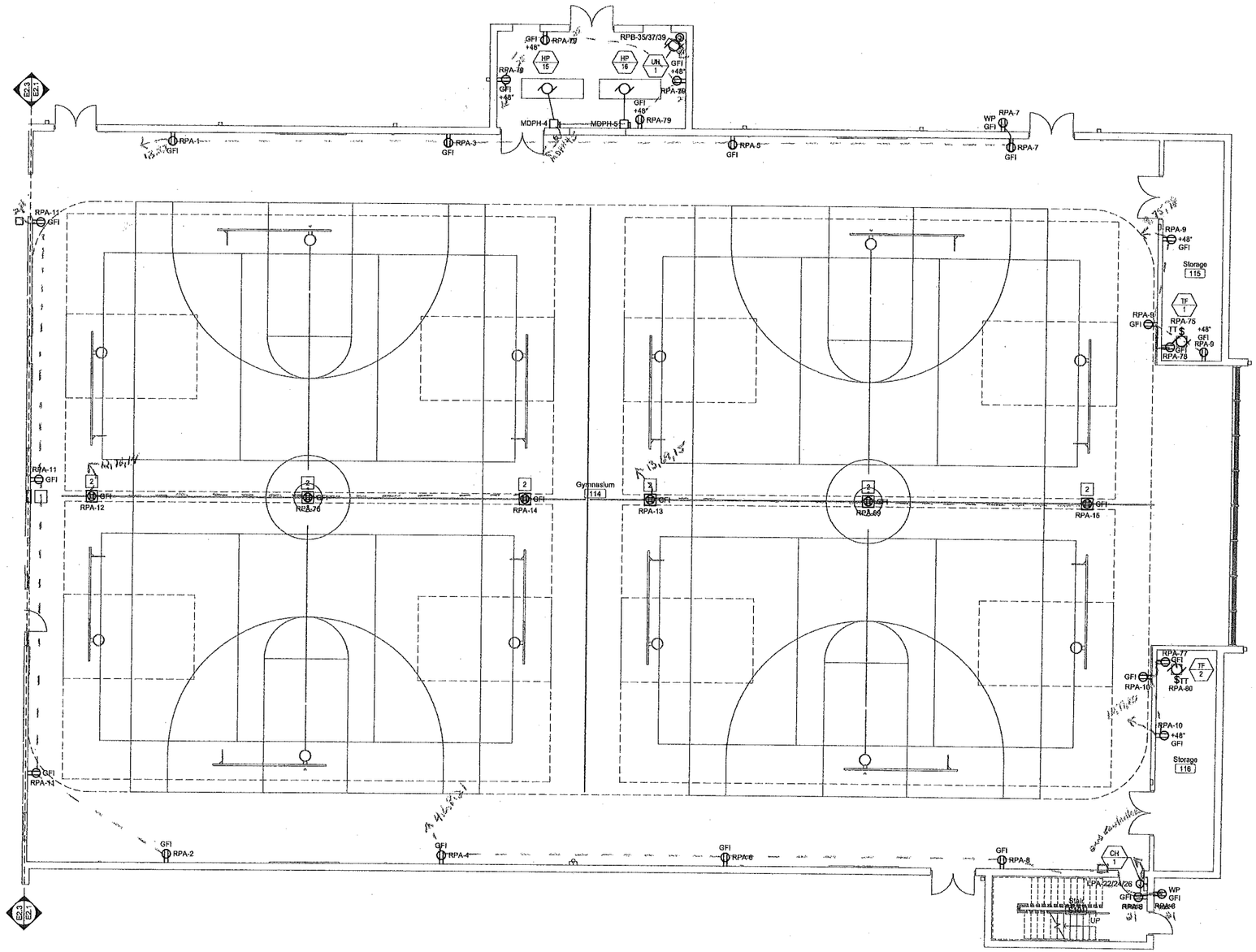
Date:	05/01/13
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Reviewed:	JDE
Book No.: -	Field: -

SHEET TITLE:
ENLARGED FLOOR PLANS - LIGHTING

SHEET NUMBER:
E1.3

Project No.: 0111316.00

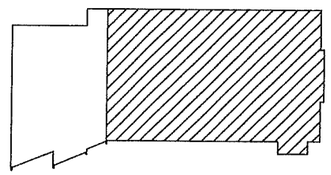
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Enlarged First Floor Power Plan - Gym

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

0 4 8 16



Key Plan

Scale: None

Keyed Notes

1. RECESSED PANEL WITH LOCKING COVER TO ACCOMMODATE CONTROL OPERATORS FOR BASKET BALL BACKBOARDS, GYM CURTAIN, LIGHTING OVERRIDE CONTROL AND FAN SPEED CONTROL. SEE DETAIL 1 ON SHEET E6.1 FOR LAYOUT. CONTROL OPERATORS FURNISHED WITH 120V POWER FOR CONTROLLER FROM RPB-33, BACKBOARDS/CURTAIN INSTALLED BY ELECTRICAL CONTRACTOR.
2. FLUSH COVER FLOOR BOX. BOX TO BE COMPLETELY RECESSED WITH WIRING DEVICE IN BOX, WHEN LID IS CLOSED WIRING DEVICE IS NOT APPARENT AND ONLY CORD EXTENDS FROM BOX. BOX LID TO BE SOLID BRASS WITH CORD DOORS AND DUST PROTECTION. COMBINATION BOX WITH 2 DUPLEX GFI AND PROVISIONS FOR PHONE/DATA (SEE SHEET E3.1) WIREMOLD EFB6S SERIES OR EQUAL.

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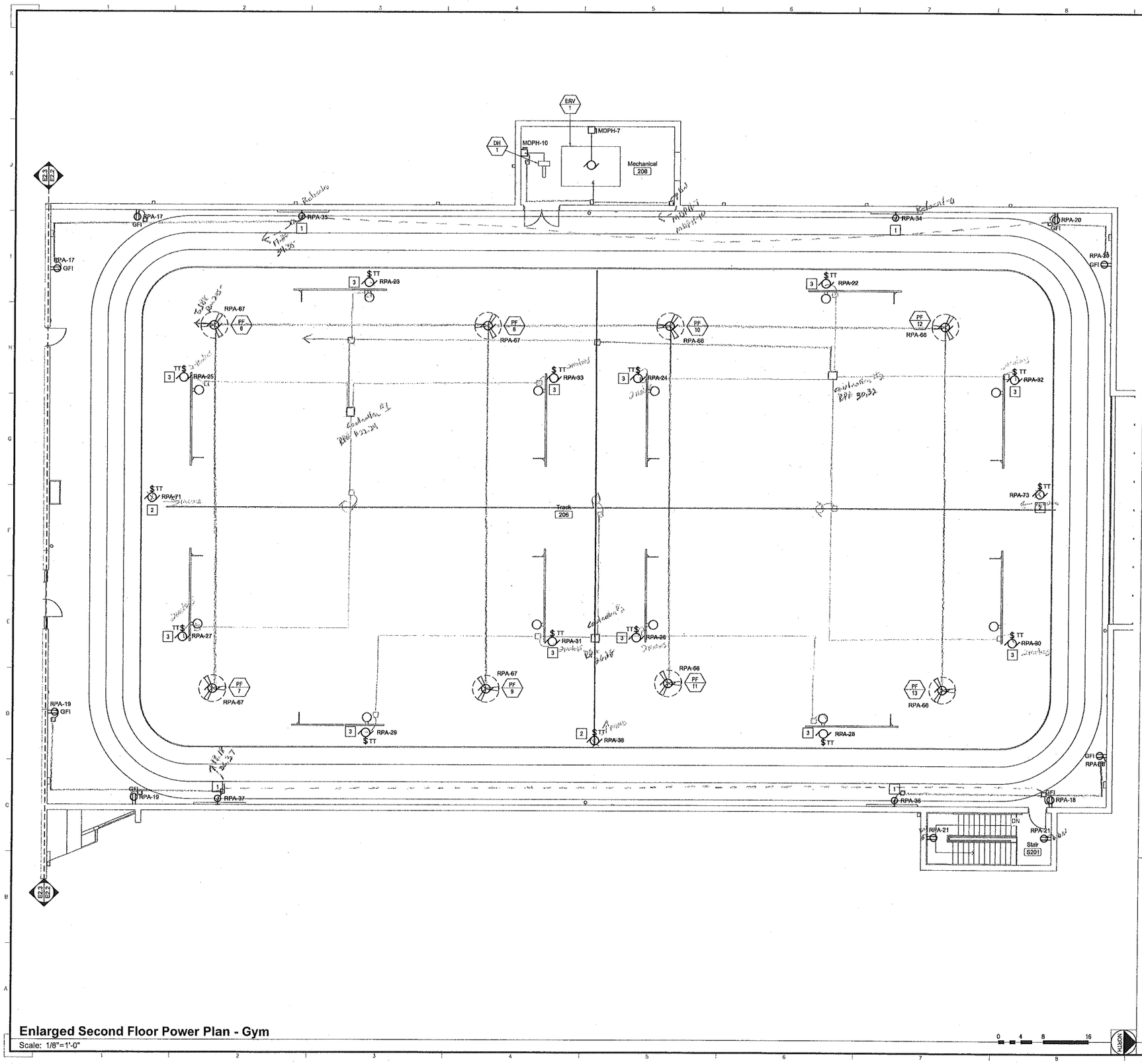
ENLARGED FIRST FLOOR POWER PLAN - GYM

SHEET NUMBER:

E2.1

Project No.: 0111316.00

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Enlarged Second Floor Power Plan - Gym

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

0 4 8 16

Keyed Notes

1. POWER FOR SCOREBOARD, COORDINATE LOCATION WITH ARCHITECTURAL. COORDINATE FINAL LOCATION WITH EQUIPMENT MANUFACTURER.
2. POWER FOR MOTORIZED CURTAIN IN TRUSS SPACE (SEE SHEET E2.1 FOR CONTROLS LOCATION). COORDINATE FINAL LOCATION WITH EQUIPMENT MANUFACTURER.
3. POWER FOR MOTORIZED BASKET BALL BACKBOARD IN TRUSS SPACE, EACH BACKBOARD HAS TWO MOTORS THAT OPERATE AT DIFFERENT TIMES (SEE SHEET E2.1 FOR CONTROLS LOCATION). COORDINATE EXACT LOCATION WITH BACKBOARD SHOP DRAWINGS. COORDINATE FINAL LOCATION AND POWER CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER.

General Notes

A. SEE KEY NOTE 1 ON SHEET E2.1 FOR PADDLE FAN CONTROL NOTE.

Key Plan

Scale: None

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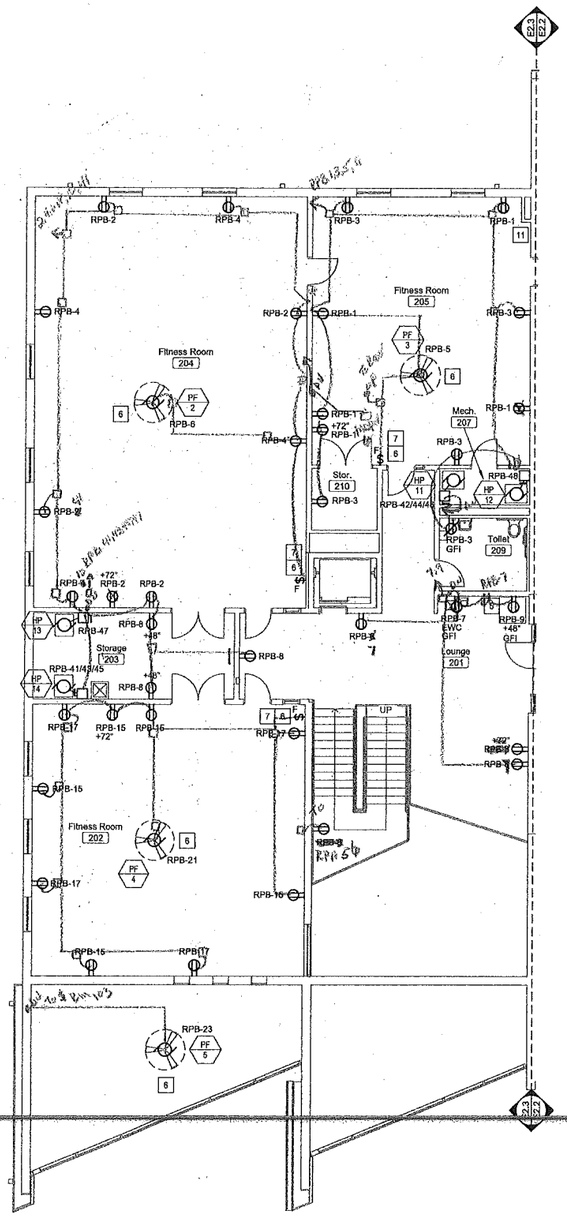
ENLARGED SECOND FLOOR POWER PLAN - GYM

SHEET NUMBER:

E2.2

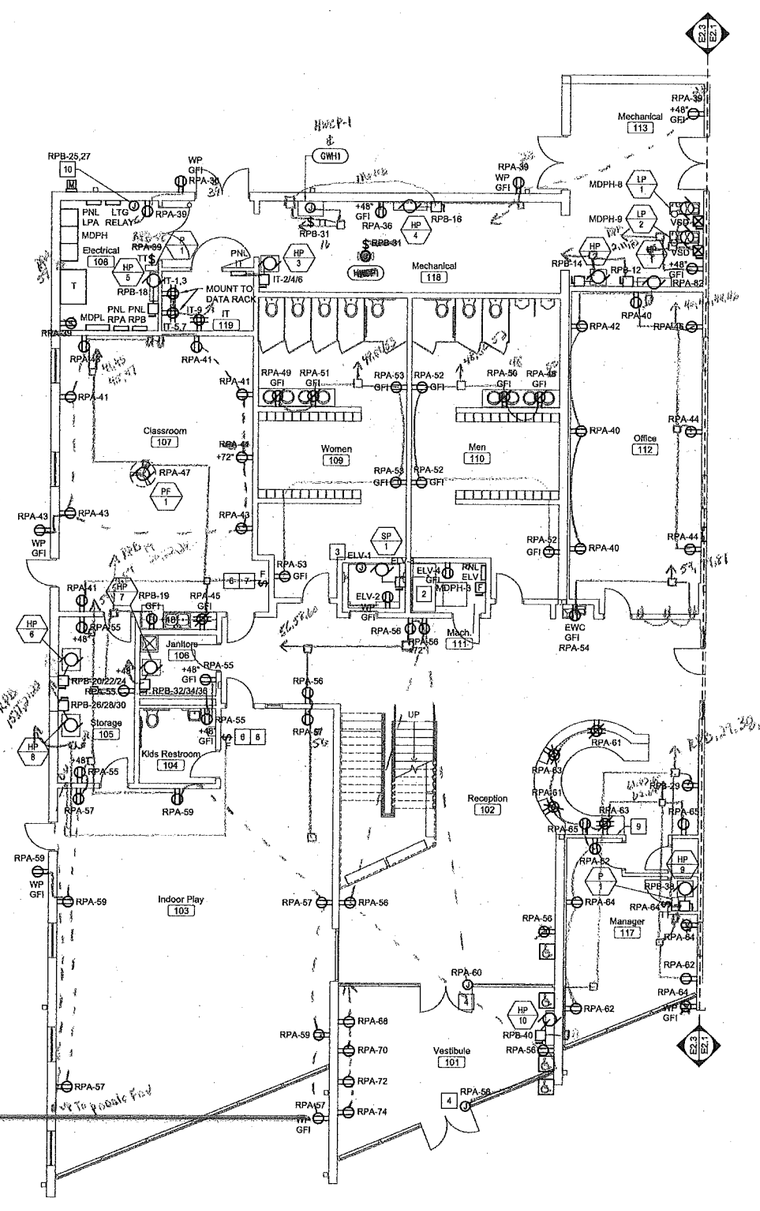
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Enlarged Second Floor Power Plan - Offices

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

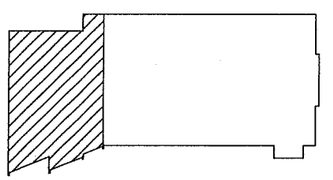


Enlarged First Floor Power Plan - Offices

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

Keyed Notes

1. POWER CONNECTOR FOR MOTORIZED APA ACCESS DOOR CONTROLS FURNISHED WITH OPERATOR - INSTALLED BY ELECTRICAL CONTRACTOR.
2. ALL MISCELLANEOUS CIRCUITS FOR ELEVATOR EQUIPMENT ROOM SHALL BE ROUTED TO PANEL ELV (IE. CAB LIGHTING, PIT LIGHTING, EQUIPMENT ROOM RECEPTACLES, PIT RECEPTACLES, ETC.).
3. ELEVATOR CAB RECEPTACLE.
4. MOTORIZED ADA DOOR, WIRE CONTROL AS REQUIRED.
5. VENDING RECEPTACLE.
6. FAN SPEED CONTROL BY PADDLE FAN VENDOR, INSTALLED BY E.C.
7. CONTROL FOR FAN THIS ROOM.
8. CONTROL FOR FAN SHOWN ON SECOND FLOOR PLAN.
9. STUD WALL THIS LOCATION. ROUTE CONDUITS FOR DEVICES IN RECEPTION DESK, SEE ARCHITECTURAL DETAILS FOR MOUNTING AND CONDUIT AREAS IN DESK.
10. POWER CONNECT FOR FCP AND FSP.
11. CHASE FOR ELECTRICAL CONDUIT TO RISE FROM ROOM BELOW INTO GYM.



Key Plan

Scale: None

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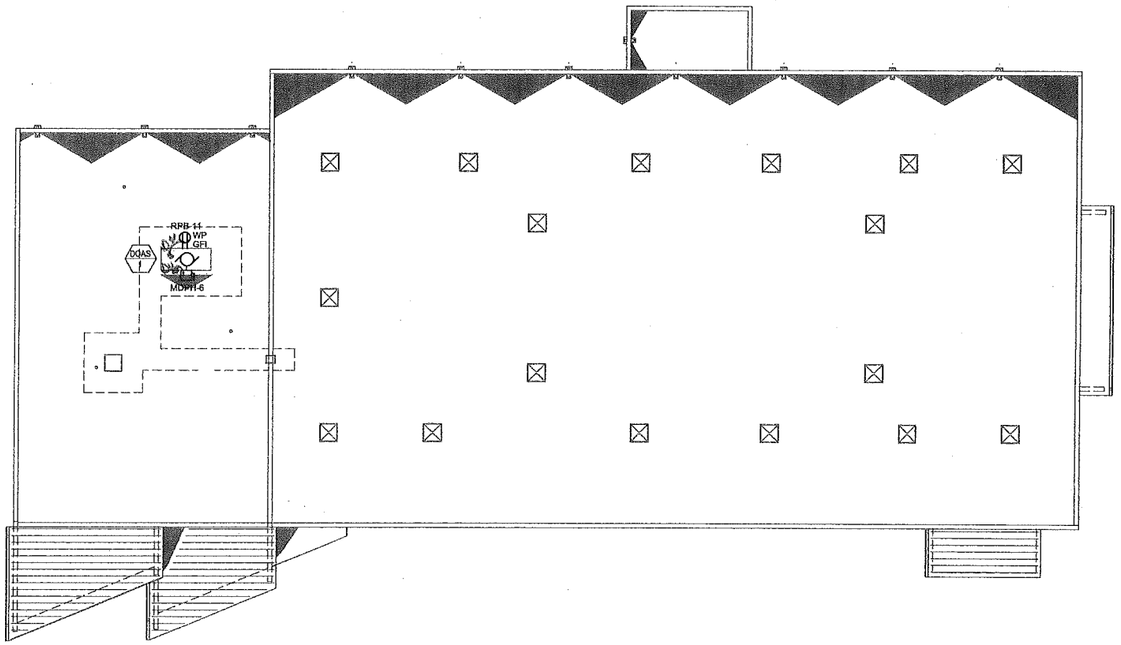
ENLARGED FLOOR PLANS - POWER

SHEET NUMBER:

E2.3

Project No.: 0111316.00

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Roof Power Plan

Scale: 1/16"=1'-0"

0 4 8 16

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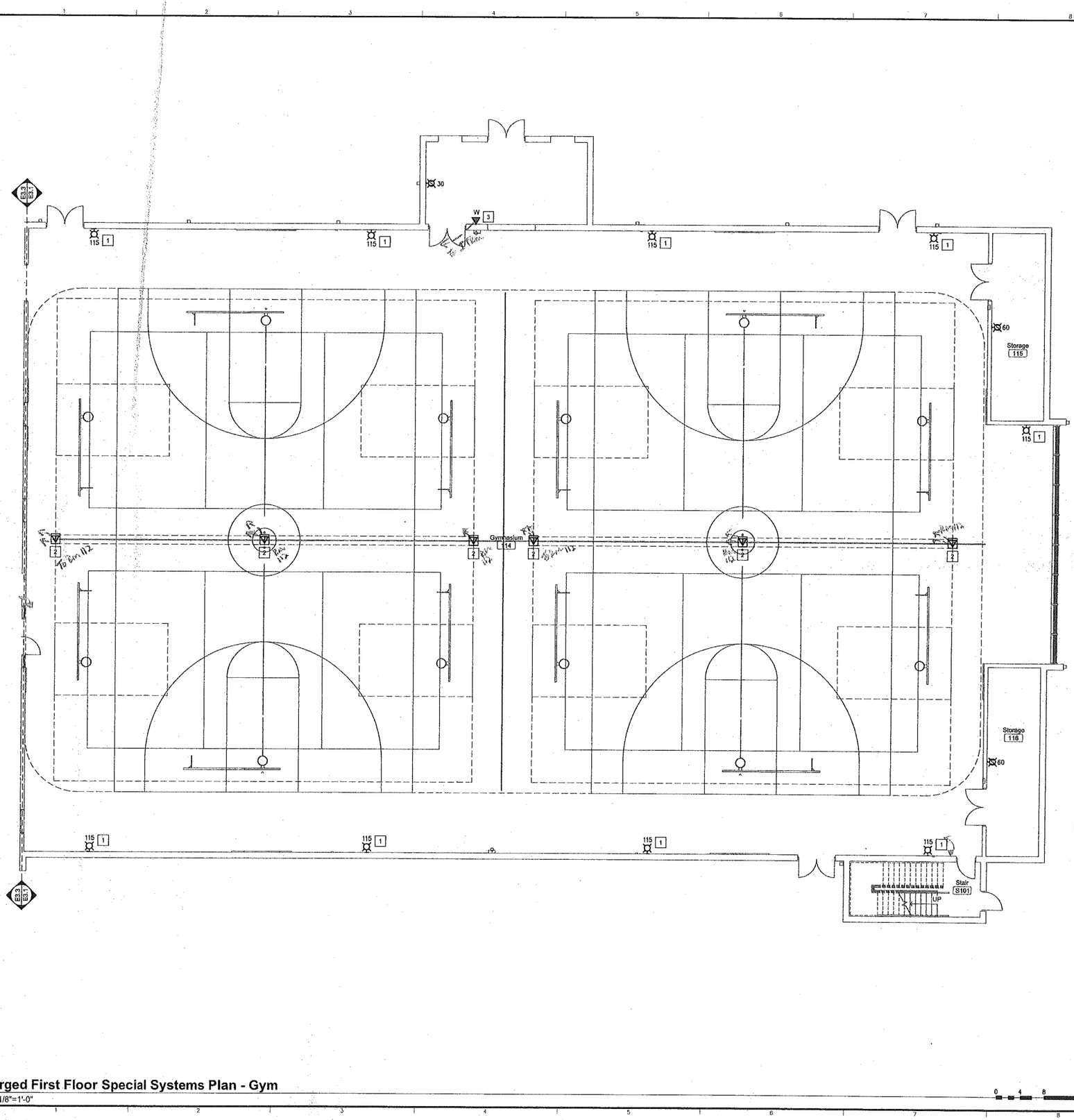
ROOF POWER PLAN

SHEET NUMBER:

E2.4

Project No.: 0111316.00

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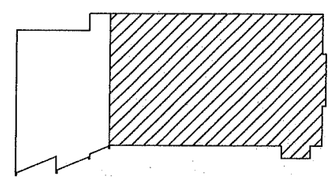
Keyed Notes

1. INSTALL WIRE CAGE AROUND DEVICE TO PROTECT UNIT.
2. ROUTE 2-1"C WITH PULL WIRE FROM BOX TO IT ROOM 119.
3. ROUTE 1-1"C WITH PULL WIRE FROM BOX TO IT ROOM 119

General Notes

A. UNLESS OTHERWISE NOTED, TAP ALL SPEAKERS PER NFPA REQUIREMENTS.

Enlarged First Floor Special Systems Plan - Gym
Scale: 1/8"=1'-0"



Key Plan
Scale: None

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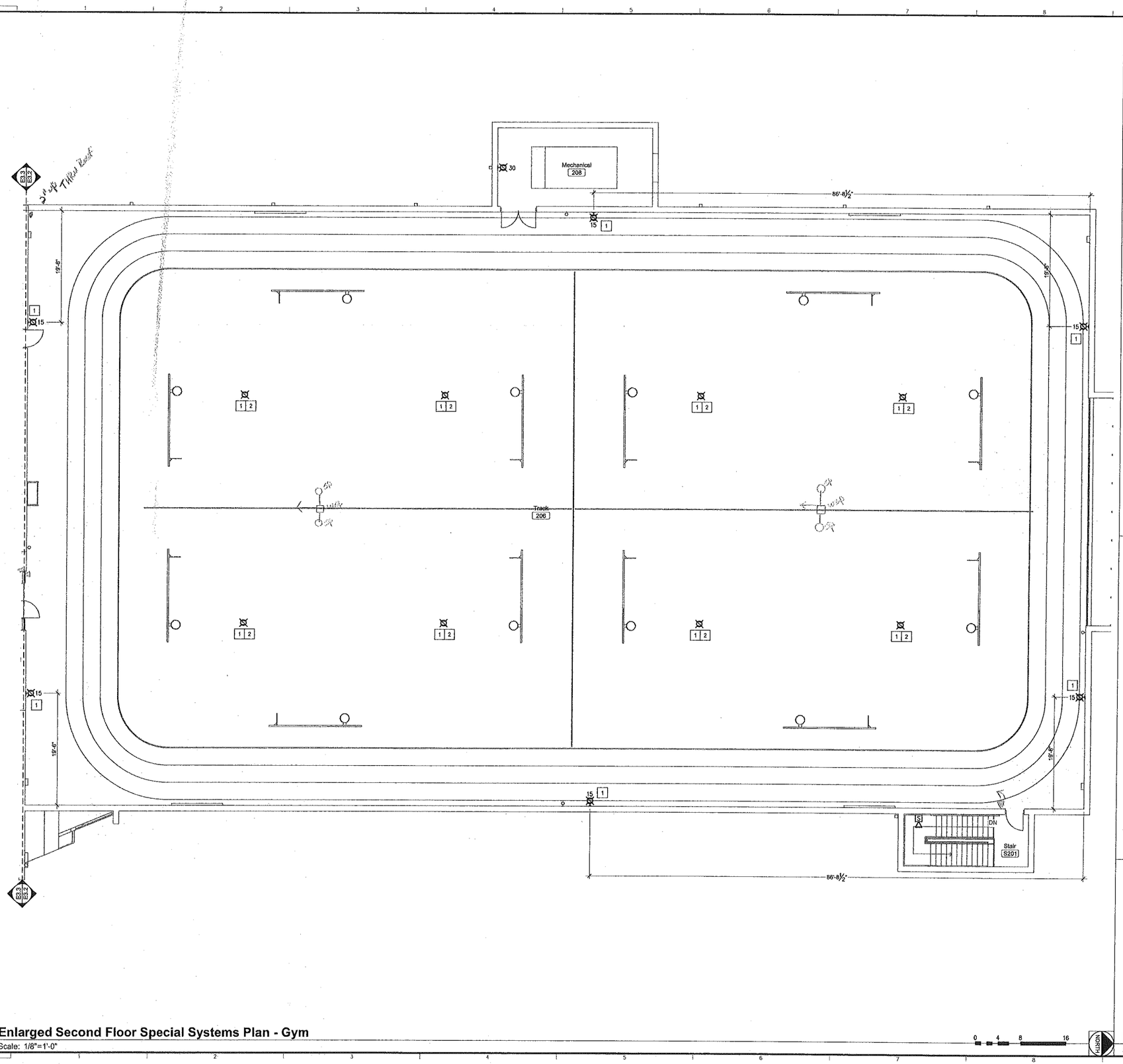
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SHEET TITLE:
ENLARGED FIRST FLOOR SPECIAL SYSTEMS PLAN - GYM

SHEET NUMBER:
E3.1

Project No.: 0111316.00



Enlarged Second Floor Special Systems Plan - Gym

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

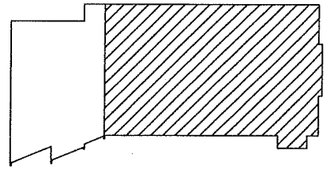
Keyed Notes

1. INSTALL WIRE GUARD OVER DEVICE TO PROTECT UNIT.
2. FIXTURE TO BE MOUNTED ABOVE BOTTOM OF TRUSS. UNITS SHALL BE HIGH RANGE AND SHALL BE TAPPED AT 15 WATTS.

General Notes

A. UNLESS OTHERWISE NOTED, TAP ALL SPEAKERS PER NFPA REQUIREMENTS.

B. DIMENSIONS AND NOTES TO COORDINATE WITH PRECASTER AND SOUND ABSORBING PANELS.



Key Plan

Scale: None

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Book No.: -	Field: -

SHEET TITLE:

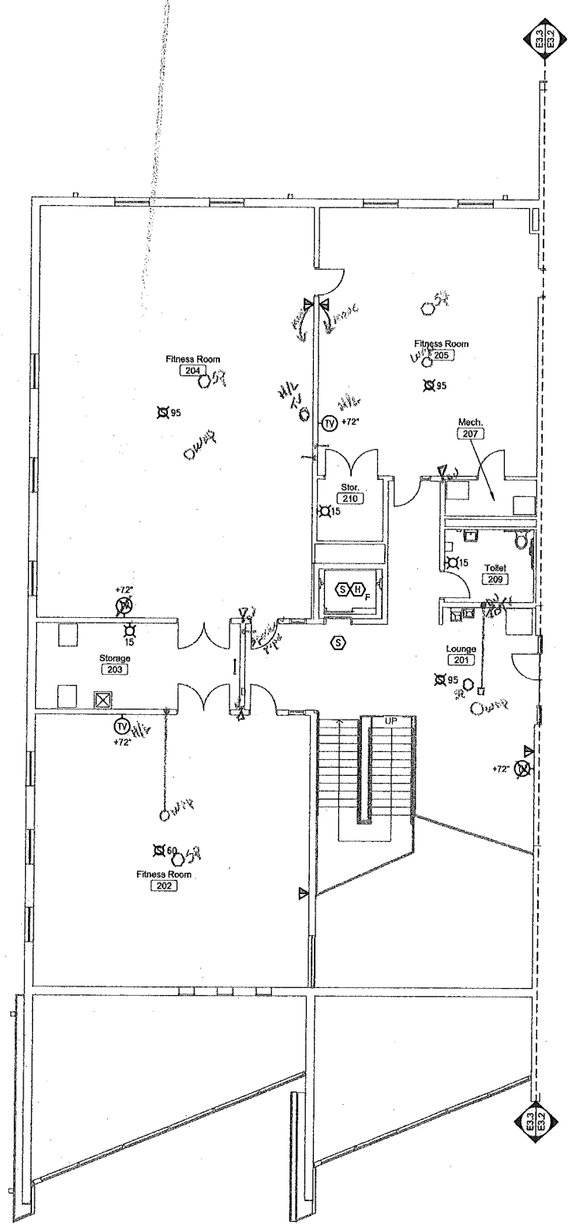
ENLARGED SECOND FLOOR SPECIAL SYSTEMS PLAN - GYM

SHEET NUMBER:

E3.2

Project No.: 0111316.00

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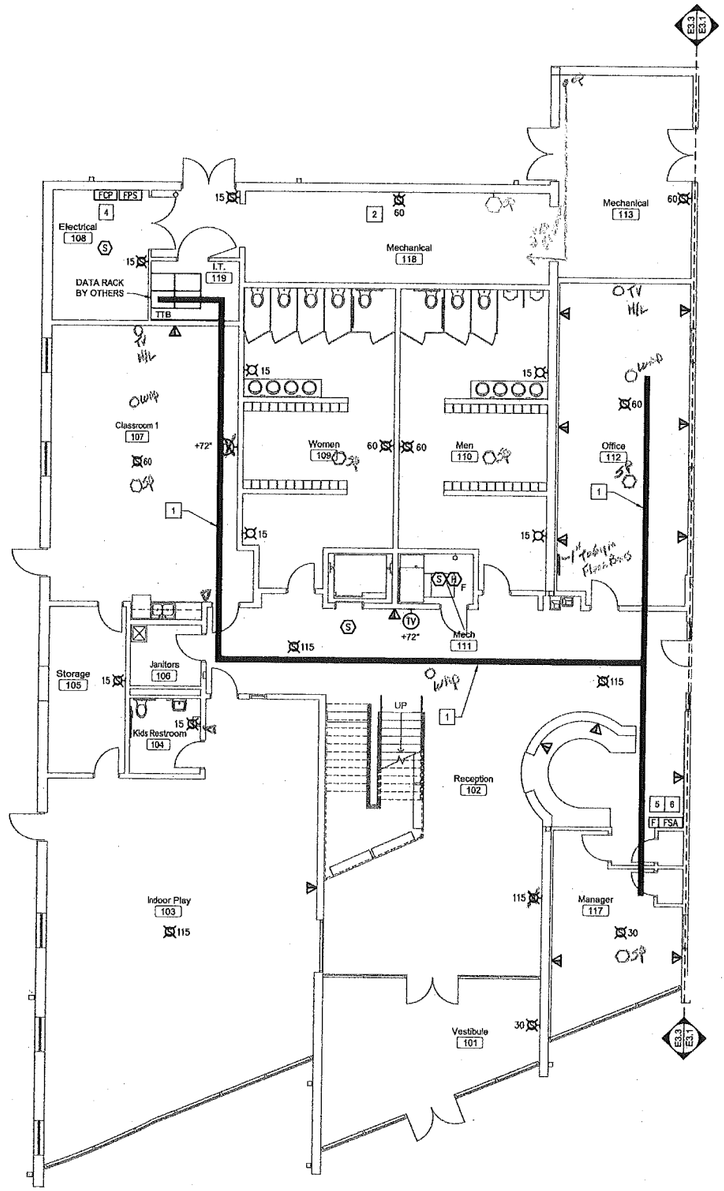


Enlarged Second Floor Special Systems Plan - Offices

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

0 4 8 16

NORTH



Enlarged First Floor Special Systems Plan - Offices

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

0 4 8 16

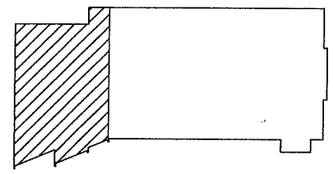
NORTH

Keyed Notes

1. 8" W x 4" D WIRE BASKET CABLE TRAY FOR LOW VOLTAGE WIRING.
2. LOCATION OF FIRE PROTECTION SPRINKLER VALVES. COORDINATE EXACT REQUIREMENTS WITH FIRE PROTECTION SPRINKLER SHOP DRAWINGS AND PROVIDE FOR ALL REQUIRED TAMPER SWITCHES AND SUPERVISORY VALVED ANNUNCIATOR IN FIRE ALARM CONTROL PANEL.
3. THREE CONTROL MODULES LOCATED AT THIS LOCATION:
   * ONE FOR PRIMARY LEVEL ELEVATOR RECALL
   * ONE FOR SECONDARY LEVEL ELEVATOR RECALL
   * ONE FOR FIRE FIGHTER CAB ALARM
4. THREE ADDITIONAL DEVICES THIS LOCATION:
   * CONTROL MODULE FOR SHUNT TRIP
   * POWER SUPERVISORY RELAY
   * MONITOR MODULE FOR POWER SUPERVISORY RELAY
5. INSTALL REMOTE MICROPHONE ADJACENT TO FSA.
6. VERIFY WITH LOCAL AHJ THE EXACT LOCATION (PRIOR TO INSTALLATION) OF THE FSA, MICROPHONE, AND MANUAL PULL STATION.

General Notes

1. UNLESS OTHERWISE NOTED, TAP ALL FA SPEAKERS PER NFPA REQUIREMENTS.
2. ALL TELEPHONE/DATA DEVICES ON SECOND FLOOR SHALL HAVE 2-1"C STUBBED INTO CEILING PLENUM OF FIRST FLOOR.
3. ALL TELEPHONE/DATA DEVICES ON FIRST FLOOR SHALL HAVE 2-1"C STUBBED INTO CEILING PLENUM.



Key Plan

Scale: None

NORTH

ENGINEERS
ARCHITECTS
SURVEYORS
SCIENTISTS

Farnsworth GROUP

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(217) 352-7408 / (217) 352-7409 Fax

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#	Date:	Description:

CHAMPAIGN PARK DISTRICT

BID SET

PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drawn:	TMT
Reviewed:	JDE
Book No.: -	Field: -

SHEET TITLE:

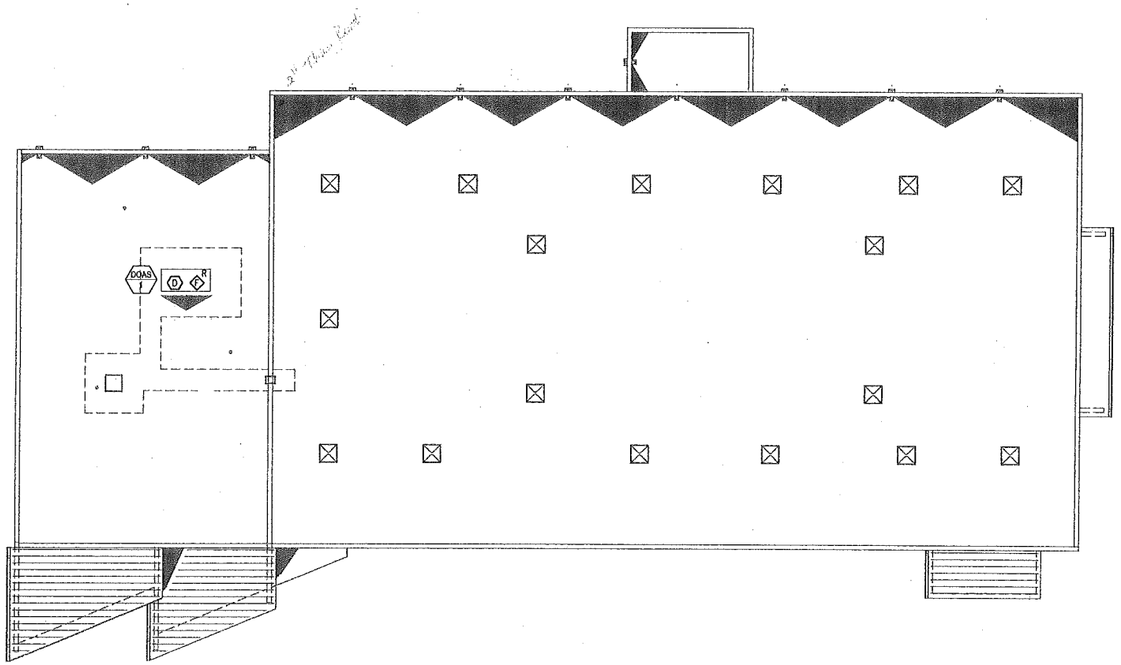
ENLARGED FLOOR PLANS - SPECIAL SYSTEMS

SHEET NUMBER:

E3.3

Project No.: 0111316.00

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Keyed Notes

1. -

Enlarged Second Floor Special Systems Plan - Offices

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

0 8 16 32

NORTH

ENGINEERS
ARCHITECTS
SURVEYORS
SCIENTISTS

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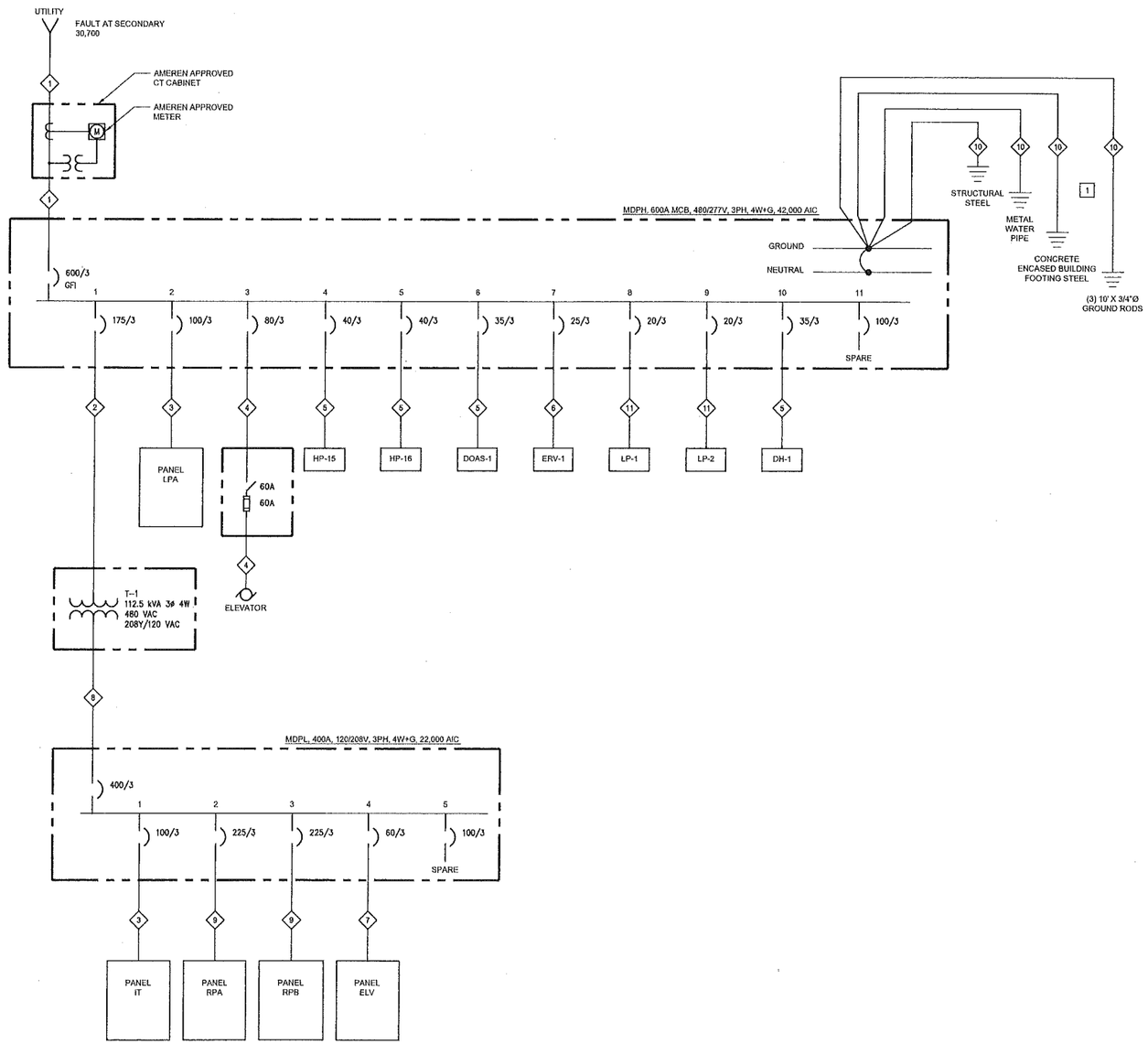
SHEET TITLE:

ROOF SPECIAL SYSTEMS PLAN

SHEET NUMBER:

E3.4

Project No.: 0111316.00



Keyed Notes

1. SEE GROUNDING DETAIL 5 ON SHEET E6.1.

FEEDER SCHEDULE

MARK	DESCRIPTION (ALL CONDUCTORS COPPER U.O.N.)
1	(2) 4#350 KCMIL, 3"C
2	3#2/0, 1#6G, 2"C
3	4#3, 1#6G, 1-1/2"C
4	4#4, 1#8G, 1-1/4"C
5	3#8, 1#10G, 3/4"C
6	3#12, 1#10G, 3/4"C
7	4#6, 1#8G, 1-1/4"C
8	(2) 4#3/0, 1#3G,3"C
9	4#4/0, 1#4G, 2-1/2"C
10	1#2/0G
11	3#12, 1#12G, 3/4"C

NEW ELECTRICAL SERVICE RESPONSIBILITY SCHEDULE

ITEM	DESCRIPTION	FURNISHED BY	INSTALLED BY
A	NEW UTILITY TRANSFORMER BASE	EC	EC
B	NEW UTILITY TRANSFORMER	U	U
C	TRENCHING FROM UTILITY POLE TO TRANSFORMER	EC	EC
D	PRIMARY CONDUIT(S) & DUCT BANK	EC	EC
E	MANHOLES	N/A	N/A
F	PRIMARY CONDUCTORS	U	U
G	SECONDARY CONDUIT(S) TO MAIN SWITCHBOARD	EC	EC
H	SECONDARY CONDUCTORS TO MAIN SWITCHBOARD	EC	EC
I	C.T.'S	EC	EC
J	METERING EQUIPMENT	EC	EC
K	CONDUIT FROM TRANSFORMER TO METER	EC	EC
L	WIRING TERMINATIONS AT METERING EQUIPMENT	EC	EC
M	MAIN SWITCHBOARD	EC	EC

EC ELECTRICAL CONTRACTOR
U UTILITY COMPANY
N/A NOT APPLICABLE

Electrical One-Line Diagram

Scale: Not To Scale

ENGINEERS
ARCHITECTS
SURVEYORS
SCIENTISTS

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Champaign, IL 61821

Date:	05/01/13
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Book No.: -	Field: -

SHEET TITLE:

ELECTRICAL ONE-LINE DIAGRAM

SHEET NUMBER:

E4.1

Project No.: 0111316.00

Plot: Thu
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LOW VOLTAGE RELAY PANEL SCHEDULE

RELAY NO	PANEL & CIRCUIT	CIRCUIT VOLTAGE	AREA SERVED	WALL SWITCH	DIMMER CONTROL	TIME ON	TIME OFF	PHOTOCELL ON	PHOTOCELL OFF	OCCUPANCY SENSOR	COMMENTS
1	LPA-1	277	GYM LTG	X						X	OCCUPANCY SENSOR ON TO 50%, OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO OFF
2	LPA-1	277	GYM LTG	X						X	OCCUPANCY SENSOR OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO 100%
3	LPA-2	277	GYM LTG	X						X	OCCUPANCY SENSOR ON TO 50%, OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO OFF
4	LPA-2	277	GYM LTG	X						X	OCCUPANCY SENSOR OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO 100%
5	LPA-3	277	GYM LTG	X						X	OCCUPANCY SENSOR ON TO 50%, OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO OFF
6	LPA-3	277	GYM LTG	X						X	OCCUPANCY SENSOR OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO 100%
7	LPA-4	277	GYM LTG	X						X	OCCUPANCY SENSOR ON TO 50%, OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO OFF
8	LPA-4	277	GYM LTG	X						X	OCCUPANCY SENSOR OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO 100%
9	LPA-5	277	GYM LTG	X						X	OCCUPANCY SENSOR ON TO 50%, OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO OFF
10	LPA-5	277	GYM LTG	X						X	OCCUPANCY SENSOR OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO 100%
11	LPA-6	277	GYM LTG	X						X	OCCUPANCY SENSOR ON TO 50%, OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO OFF
12	LPA-6	277	GYM LTG	X						X	OCCUPANCY SENSOR OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO 100%
13	LPA-7	277	GYM LTG	X						X	OCCUPANCY SENSOR ON TO 50%, OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO OFF
14	LPA-7	277	GYM LTG	X						X	OCCUPANCY SENSOR OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO 100%
15	LPA-8	277	GYM LTG	X						X	OCCUPANCY SENSOR ON TO 50%, OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO OFF
16	LPA-8	277	GYM LTG	X						X	OCCUPANCY SENSOR OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO 100%
17	LPA-9	277	GYM LTG	X						X	OCCUPANCY SENSOR ON TO 50%, OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO OFF
18	LPA-9	277	GYM LTG	X						X	OCCUPANCY SENSOR OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO 100%
19	LPA-10	277	GYM LTG	X						X	OCCUPANCY SENSOR ON TO 50%, OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO OFF
20	LPA-10	277	GYM LTG	X						X	OCCUPANCY SENSOR OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO 100%
21	LPA-12	277	OUTDOOR WALL PACKS			X	X	X	X		PHOTOCELL ON, TIME OFF @ DUSK TIME ON, PHOTOCELL OFF @ DAWN
22	LPA-16	277	GYM / TRACK LTG	X						X	OCCUPANCY SENSOR OFF WHEN GYM EMPTY, MANUAL ON
23	LPA-18	277	GYM / TRACK LTG	X						X	OCCUPANCY SENSOR ON WHEN OCCUPIED, SENSOR OFF WHEN GYM EMPTY, MANUAL OVERRIDE TO OFF - CONTROL WITH HIGH BAY FLOURESCENT LUMINAIRE
24	RPA-66	120	GYM PADDLE FAN PF-7	X						X	OCCUPANCY SENSOR ON/OFF - MANUAL SPPED BY VENDOR, INSTALLED BY ELECTRICAL CONTRACTOR
25	RPA-67	120	GYM PADDLE FAN PF-6	X						X	OCCUPANCY SENSOR ON/OFF - MANUAL SPPED BY VENDOR, INSTALLED BY ELECTRICAL CONTRACTOR
26	RPA-68	120	GYM PADDLE FAN PF-9	X						X	OCCUPANCY SENSOR ON/OFF - MANUAL SPPED BY VENDOR, INSTALLED BY ELECTRICAL CONTRACTOR
27	RPA-69	120	GYM PADDLE FAN PF-8	X						X	OCCUPANCY SENSOR ON/OFF - MANUAL SPPED BY VENDOR, INSTALLED BY ELECTRICAL CONTRACTOR
28	RPA-70	120	GYM PADDLE FAN PF-11	X						X	OCCUPANCY SENSOR ON/OFF - MANUAL SPPED BY VENDOR, INSTALLED BY ELECTRICAL CONTRACTOR
29	RPA-71	120	GYM PADDLE FAN PF-10	X						X	OCCUPANCY SENSOR ON/OFF - MANUAL SPPED BY VENDOR, INSTALLED BY ELECTRICAL CONTRACTOR
30	RPA-72	120	GYM PADDLE FAN PF-13	X						X	OCCUPANCY SENSOR ON/OFF - MANUAL SPPED BY VENDOR, INSTALLED BY ELECTRICAL CONTRACTOR
31	RPA-73	120	GYM PADDLE FAN PF-12	X						X	OCCUPANCY SENSOR ON/OFF - MANUAL SPPED BY VENDOR, INSTALLED BY ELECTRICAL CONTRACTOR
32	LPA-21	277	LOBBY LIGHTS			X	X				
33	LPA-19	277	LOBBY LIGHTS			X	X				
34	LPA-19	277	VESTIBULE LIGHTS			X	X				
35	LPA-20	277	SIGN LIGHTS			X	X	X	X		PHOTOCELL ON, TIME OFF @ DUSK TIME ON, PHOTOCELL OFF @ DAWN
36	LPA-23	277	PARKING LOT LIGHTS			X	X	X	X		PHOTOCELL ON, TIME OFF @ DUSK TIME ON, PHOTOCELL OFF @ DAWN

LUMINAIRE SCHEDULE

FIXTURE NUMBER	MANUFACTURER	CATALOG NUMBER	NO. OF LAMPS	LAMP TYPE	VOLTAGE	DESCRIPTION
A	COOPER LITHONIA	DIF SS 2 28T5 UNV EBT1 AYC CHAIN SET AFP228MVOLTPOPAF	2	28T5	277	4' INDUSTIRAL FIXTURE CHAIN HUNG 9'0" AFF.
BE	COOPER LITHONIA	BAU 228T5 UNV EBT1 EC WT5 228T5 MVOLT GEB10FS EL14	2	28T5	UNV	6"x4" WALL MOUNTED UP/DOWN LIGHT WITH EMERGENCY BALLAST
C	COOPER LITHONIA	2AC214T6UNVL5841EBT_1 2RT5S 214T5 MVOLT GEB10PS LP841	2	14T5	UNV	2 X 2 GRID MOUNTED VOLUMETRIC FIXTURE
CE	COOPER LITHONIA	2AC214T6UNVLEL5841EBT_1 2RT5S 214T5 MVOLT GEB10PS EL14 LP841	2	14T5	UNV	2 X 2 GRID MOUNTED VOLUMETRIC FIXTURE WITH EMERGENCY BALLAST
D	TERON LITHONIA	NIBLIUK POLY - PNK 126Q 277 JL 4100K TWL 26DTT MVOLT	1	26DTT	277	ELEVATOR PIT LUMINAIRE
F	COOPER LITHONIA	HBI 6 54T5 W A/WG 277 EBT2 FGB246 54T5HO SIX20 ACL WG MVOLT 1/41/2 GEB L841 CS11W	6	54T5HO	UNV	HIGH BAY GYM FIXTURE WITH WIRE CAGE. CORD SET SHALL HAVE 2 SWITCHED CONDUCTORS. SEE DETAIL 3 ON SHEET E6.1.
FE	COOPER LITHONIA	HBI 6 54T5 W A/WG 277 EL EBT2 FGB246 54T5HO SIX20 ACL WG MVOLT 1/41/2 GEB EL14 L841	6	54T5HO	UNV	HIGH BAY GYM FIXTURE WITH WIRE CAGE. PROVIDE WITH EMERGENCY BALLAST. CORD SET SHALL HAVE 2 SWITCHED CONDUCTORS AND ONE HOT CONDUCTOR. SEE DETAIL 3 ON SHEET E6.1.
FA	COOPER LITHONIA	HBLED-LD2-18-W-WG-UNV-L850-ED2 PTN 18000 WD HD 125 LP740	L/S	LED	277	HIGH BAY GYM FIXTURE WITH WIRE CAGE. CORD SET SHALL HAVE 2 SWITCHED CONDUCTORS. SEE DETAIL 3 ON SHEET E6.1.
FAE	COOPER LITHONIA	HBLED-LD2-18-W-WG-E2-UNV-L850-ED2 PTN 18000 WD HD 125 LP740	L/S	LED	277	HIGH BAY GYM FIXTURE WITH WIRE CAGE. PROVIDE WITH EMERGENCY BALLAST. CORD SET SHALL HAVE 2 SWITCHED CONDUCTORS AND ONE HOT CONDUCTOR. SEE DETAIL 3 ON SHEET E6.1.
G	COOPER LITHONIA	2GR5228T6A125UNVEBT 2SP5G 228T5 A12125 MVOLT GEB10FS	2	28T5	ENV	2 X 4 GRID MOUNTED FLAT LENS TROFFER
H	COOPER LITHONIA	2AC214T5 277 5841 EBT_MARK7 2RJ5S 274T5 277 ADEZ L841	2	14T5	277	2X2 GRID MTD VOLUMETRIC FIXTURE WITH 0-10V DIMMING BALLAST
J	SHAPER WINONA	432/32/CFL/4/39/CAL/CLR/SMT/TSS4B 4940-28-277-OA-BAL-MOD#229609	16	CFL39	277	QUAD PENDANT FIXTURE. SEE DRAWINGS FOR MOUNTING HEIGHT. SEE DETAIL 4 ON SHEET E6.1. FIXTURE FINISH CHOSEN BY ARCHITECT.
JE	SHAPER WINONA	432/32/CFL/4/39/CAL/CLR/SMT/TSS4B/IEM 4940-28-277-OA-BAL-EL-MOD#229609	16	CFL39	277	QUAD PENDANT FIXTURE WITH INTERNAL EMERGENCY BALLAST. SEE DRAWINGS FOR MOUNTING HEIGHT. SEE DETAIL 4 ON SHEET E6.1. FIXTURE FINISH CHOSEN BY ARCHITECT.
K	COOPER LITHONIA	FRS 254T5HO 277 EB51 2VW 2 54T5HO ACR 277 GEB10IS	2	54T5HO	277	1 X 4 SURFACE MOUNTED WRAPAROUND WITH HIGH-IMPACT ACRYLIC LENS. SEE NOTE 4 & 5.
KA	COOPER LITHONIA	CNC-B02-LED-E1-T2 DSXPG LED 2 10B350/40K T5R MVOLT	L/S	LED	277	1 X 4 SURFACE MOUNTED WRAPAROUND WITH HIGH-IMPACT ACRYLIC LENS. SEE NOTE 4 & 5.
L	PORTFOLIO GOTHAM	C19 2042 2D42P 9250 L1 C236P CF11 2/42TRT 10AR 277 ADEZ WHITE/CRS12	2	42TTT	277	PENDANT MOUNTED CAN WITH DIMMABLE BALLAST
M	COOPER CONTECH	C6464ZE600ILI/DJ6R-X RA6126HEMY CTR6424H-P-1AR6X	1	26DTT	277	RECESSED CAN FIXTURE WITH DECORATIVE ACRYLIC TRIM RING - RING COLOR CHOSEN BY ARCHITECT.
N	COOPER LITHONIA	2AC228T5UNVL5841HLEBT-MARK7 2RT5S 228T5 277 ADEZ L841	2	28T5	277	2 X 4 GRID MOUNTED VOLUMETRIC FIXTURE WITH 0-10V DIMMING BALLAST
P	COOPER LITHONIA	HBI 6 54T5 W A/WG 277 EBT2 DL FGB246 54T5HO SIX20 ACL WG MVOLT 1/41/2 GEB L841 CS11W DL	6	54T5HO	UNV	HIGH BAY GYM FIXTURE WITH WIRE CAGE AND FIXTURE MOUNTED DAYLIGHT SENSOR. CORD SET SHALL HAVE 2 SWITCHED CONDUCTORS. SEE DETAIL 3 ON SHEET E6.1.
PE	COOPER LITHONIA	HBI 6 54T5 W A/WG 277 EL EBT2 DL FGB246 54T5HO SIX20 ACL WG MVOLT 1/41/2 GEB EL14 L841 DL	6	54T5HO	UNV	HIGH BAY GYM FIXTURE WITH WIRE CAGE AND FIXTURE MOUNTED DAYLIGHT SENSOR. PROVIDE WITH EMERGENCY BALLAST. CORD SET SHALL HAVE 2 SWITCHED CONDUCTORS AND ONE HOT CONDUCTOR. SEE DETAIL 3 ON SHEET E6.1.
PA	COOPER LITHONIA	HBLED-LD2-18-W-WG-UNV-L850-ED2-DL PTN 18000 WD HD 125 LP740 DL	L/S	LED	277	HIGH BAY GYM FIXTURE WITH WIRE CAGE AND FIXTURE MOUNTED DAYLIGHT SENSOR. CORD SET SHALL HAVE 2 SWITCHED CONDUCTORS. SEE DETAIL 3 ON SHEET E6.1.
PAE	COOPER LITHONIA	HBLED-LD2-18-W-WG-E2-UNV-L850-ED2-DL PTN 18000 WD HD 125 LP740 DL	L/S	LED	277	HIGH BAY GYM FIXTURE WITH WIRE CAGE AND FIXTURE MOUNTED DAYLIGHT SENSOR. PROVIDE WITH EMERGENCY BALLAST. CORD SET SHALL HAVE 2 SWITCHED CONDUCTORS AND ONE HOT CONDUCTOR. SEE DETAIL 3 ON SHEET E6.1.
Q	COOPER LITHONIA	FRS 254T5HO 277 EB51 DL 2VW 2 54T5HO ACR 277 GEB10IS DL	2	54T5HO	277	1 X 4 SURFACE MOUNTED WRAPAROUND WITH HIGH-IMPACT ACRYLIC LENS AND FIXTURE MOUNTED DAYLIGHT SENSOR. SEE NOTE 4 & 5.
QA	COOPER LITHONIA	CNC-B02-LED-E1-T2 DL DSXPG LED 2 10B350/40K T5R MVOLT DL	L/S	LED	277	1 X 4 SURFACE MOUNTED WRAPAROUND WITH HIGH-IMPACT ACRYLIC LENS AND FIXTURE MOUNTED DAYLIGHT SENSOR. SEE NOTE 4 & 5.
SA	LUMARK LITHONIA	IST/B02/LED/E1/BL4/B2/CWB-277 WST LED2 SR4 277 ELCW DD BXB	L/S	LED	277	DECORATIVE LED WALL PACK WITH TWO CIRCUITS AND COLD WEATHER BATTERY PACK
SB	LUMARK LITHONIA	XTOR2A DSW1 LED 10B 700/50K MVOLT DDBXD	20	LED	277	LED WALL PACK
SC	LITHONIA	KAD LED-1-498350/40K SR3-MVOLT-RPD06-DDBXD-RS4-256E-DM19-FBC-DDB	40	LED	277	25' POLE MOUNTED PARKING LOT LUMINAIRE
SD	INCON LIGHTING	360 9 26 35K	2	CF13DTT	277	BUILDING MOUNTED LUMINAIRE
X1	SURELITES LITHONIA DUALLITE	LPX7 LQMSW3RLEN LXURWE	L/S	LED	277	LED EXIT LIGHT, UNIVERSAL MOUNT,SINGLE OR DUAL FACE FACES AND ARROW AS SHOWN ON DRAWINGS
X2	SURELITES LITHONIA	AP7RWH120/277DH ECR LED	L/S	LED	277	COMBINATION LED EMERGENCY WALL PACK FIXTURE AND LED EXIT LIGHT, UNIVERSAL MOUNT,SINGLE OR DUAL FACE, FACES AND ARROW AS SHOWN ON DRAWINGS
X3	SURELITES LITHONIA	APEL E2M2 LED	L/S	LED	277	LED EMERGENCY WALL PACK

GENERAL NOTE:
A. COORDINATE ALL MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO INSTALLATION.

LIGHT FIXTURE SCHEDULE NOTES:
1. COORDINATE WITH SUPPLIER ON LENGTH AND REQUIRED FITTINGS FOR CONTINUOUS FIXTURE AS SHOWN ON DRAWINGS WITH UNIFORM ILLUMINATION ALONG FIXTURE INCLUDING CORNERS.
2. CONRACTOR SHALL REMOVE ALL FINGER PRINTS FROM LENSES, REFLECTORS, AND LOUVERS FOLLOWING LIGHT FIXTURE INSTALLATION.
3. FOR APPROVAL OF FIXTURES FROM MANUFACTURERS OTHER THAN THOSE LISTED, PROPOSED FIXTURE CUTS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER TEN BUSINESS DAYS PRIOR TO BID FOR REVIEW. FINAL DETERMINATION OF 'EQUAL' STATUS FOR BIDDING SHALL BE THE SOLE DETERMINATION OF THE ARCHITECT/ENGINEER.
4. ON FIRST FLOOR SURFACE MOUNT THESE FIXTURES TO BOTTOM OF TRACK DECK ABOVE.
5. ON SECOND FLOOR PENDANT HANG THESE FIXTURES 10'-0" AFF OF THE TRACK. SEE DETAIL 4 ON E6.1.

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CHAMPAIGN PARK DISTRICT

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2307 W. Sangamon Dr.
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SHEET TITLE:

ELECTRICAL SCHEDULES

SHEET NUMBER:

E5.1

Project No.: 0111316.00

XRef | Name | P:\2011\0111316.00-Leonhard Recreation Center\Dwg\Sheets\0111316.00-CS_Schedules.dwg | 4/7/2013 8:38 AM |

EQUIPMENT DATA SCHEDULE

MARK	EQUIPMENT	DESCRIPTION: FURNISHED BY	DESCRIPTION: INSTALLED BY	LOCATION	LOAD DATA: LOAD	LOAD DATA: VOLTAGE	LOAD DATA: PHASE	STARTER: STATER TYPE	STARTER: STARTER NEMA SIZE	STARTER: DISC. TYPE	STARTER: DISC. SIZE	STARTER: FURNISHED BY	STARTER: INSTALLED BY	STARTER: CONTROL WIRING	DISCONNECT AT EQUIP.: DISC. TYPE	DISCONNECT AT EQUIP.: DISC. SIZE	DISCONNECT AT EQUIP.: FURNISHED BY	DISCONNECT AT EQUIP.: INSTALLED BY	WIRE & CONDUIT	REMARKS
HP-1	HEAT PUMP	MC	MC	MECHANICAL 113	6 MCA	208	1	PWC	-	-	-	VND	VND	TC	NF	30	EC	EC	2#12, 1#12G, 3/4"C	
HP-2	HEAT PUMP	MC	MC	MECHANICAL 113	15.2 MCA	208	1	PWC	-	-	-	VND	VND	TC	NF	30	EC	EC	2#12, 1#12G, 3/4"C	
HP-3	HEAT PUMP	MC	MC	MECHANICAL 118	13.9 MCA	208	3	PWC	-	-	-	VND	VND	TC	NF	30	EC	EC	3#12, 1#12G, 3/4"C	
HP-4	HEAT PUMP	MC	MC	MECHANICAL 118	6 MCA	208	1	PWC	-	-	-	VND	VND	TC	NF	30	EC	EC	2#12, 1#12G, 3/4"C	
HP-5	HEAT PUMP	MC	MC	ELECTRICAL 108	6 MCA	208	1	PWC	-	-	-	VND	VND	TC	NF	30	EC	EC	2#12, 1#12G, 3/4"C	
HP-6	HEAT PUMP	MC	MC	STORAGE 105	16.9 MCA	208	3	PWC	-	-	-	VND	VND	TC	NF	30	EC	EC	3#12, 1#10G, 3/4"C	
HP-7	HEAT PUMP	MC	MC	JANITOR'S 106	14.3 MCA	208	3	PWC	-	-	-	VND	VND	TC	NF	30	EC	EC	3#12, 1#12G, 3/4"C	
HP-8	HEAT PUMP	MC	MC	STORAGE 105	32.5 MCA	208	3	PWC	-	-	-	VND	VND	TC	NF	60	EC	EC	3#6, 1#10G, 3/4"C	
HP-9	HEAT PUMP	MC	MC	MANAGER'S 117	5.3 MCA	208	1	PWC	-	-	-	VND	VND	TC	NF	30	EC	EC	2#12, 1#12G, 3/4"C	
HP-10	HEAT PUMP	MC	MC	VESTIBULE 101	9.2 MCA	208	1	PWC	-	-	-	VND	VND	TC	NF	30	EC	EC	2#12, 1#12G, 3/4"C	
HP-11	HEAT PUMP	MC	MC	MECHANICAL 201A	18.9 MCA	208	3	PWC	-	-	-	VND	VND	TC	NF	30	EC	EC	3#12, 1#10G, 3/4"C	
HP-12	HEAT PUMP	MC	MC	MECHANICAL 201A	15.2 MCA	208	1	PWC	-	-	-	VND	VND	TC	NF	30	EC	EC	2#12, 1#12G, 3/4"C	
HP-13	HEAT PUMP	MC	MC	STORAGE 203	28.9 MCA	208	1	PWC	-	-	-	VND	VND	TC	NF	60	EC	EC	2#6, 1#10G, 3/4"C	
HP-14	HEAT PUMP	MC	MC	STORAGE 203	18.9 MCA	208	3	PWC	-	-	-	VND	VND	TC	NF	30	EC	EC	3#12, 1#10G, 3/4"C	
HP-15	HEAT PUMP	MC	MC	GYM MECH. RM.	31.8 MCA	480	3	PWC	-	-	-	VND	VND	TC	NF	60	EC	EC	SEE ONE-LINE DIAGRAM	
HP-16	HEAT PUMP	MC	MC	GYM MECH. RM.	31.8 MCA	480	3	PWC	-	-	-	VND	VND	TC	NF	60	EC	EC	SEE ONE-LINE DIAGRAM	
DOAS-1	DEDICATED OUTDOOR AIR SYSTEM	MC	MC	CLASSROOM ROOF	30 MCA	480	3	PWC	-	-	-	VND	VND	TC	NF	60	EC	EC	SEE ONE-LINE DIAGRAM	
ERV-1	ENERGY RECOVERY VENTILATOR	MC	MC	GYM MECH. RM.	17.9 MCA	480	3	PWC	-	-	-	VND	VND	TC	NF	30	EC	EC	SEE ONE-LINE DIAGRAM	
PF-1	PADDLE FAN	MC	MC	CLASSROOM 107	1.0 FLA	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
PF-2	PADDLE FAN	MC	MC	EXERCISE RM 204	1.0 FLA	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
PF-3	PADDLE FAN	MC	MC	CLASSROOM 205	1.0 FLA	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
PF-4	PADDLE FAN	MC	MC	EXERCISE RM 202	1.0 FLA	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
PF-5	PADDLE FAN	MC	MC	INDOOR PLAY	1.0 FLA	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
PF-6	PADDLE FAN	MC	MC	GYMNASIUM	1.0 FLA	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
PF-7	PADDLE FAN	MC	MC	GYMNASIUM	1.0 FLA	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
PF-8	PADDLE FAN	MC	MC	GYMNASIUM	1.0 FLA	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
PF-9	PADDLE FAN	MC	MC	GYMNASIUM	1.0 FLA	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
PF-10	PADDLE FAN	MC	MC	GYMNASIUM	1.0 FLA	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
PF-11	PADDLE FAN	MC	MC	GYMNASIUM	1.0 FLA	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
PF-12	PADDLE FAN	MC	MC	GYMNASIUM	1.0 FLA	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
PF-13	PADDLE FAN	MC	MC	GYMNASIUM	1.0 FLA	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
LP-1	LOOP PUMP	MC	MC	MECHANICAL 113	10 HP	460	3	VSD	-	-	-	EC	EC	TC	NF	30	EC	EC	SEE ONE-LINE DIAGRAM	
LP-2	LOOP PUMP	MC	MC	MECHANICAL 113	10 HP	480	3	VSD	-	-	-	EC	EC	TC	NF	30	EC	EC	SEE ONE-LINE DIAGRAM	
DH-1	DUCT HEATER	MC	MC	GYM MECH. RM.	20 KW	480	3	PWC	-	-	-	VND	VND	TC	NF	60	EC	EC	SEE ONE-LINE DIAGRAM	
CH-1	CABINET HEATER	MC	MC	STAIR S101	7.8 FLA	480	3	PWC	-	-	-	VND	VND	TC	-	-	VND	VND	3#12, 1#12G, 3/4"C	
UH-1	UNIT HEATER	MC	MC	MECHANICAL 108	14.0 FLA	208	3	PWC	-	-	-	VND	VND	TC	-	-	VND	VND	3#12, 1#12G, 3/4"C	
TF-1	TRANSFER FAN	MC	MC	STORAGE 115	0.7 FLA	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
TF-2	TRANSFER FAN	MC	MC	STORAGE 116	0.7 FLA	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
P-1	CONDENSATE PUMP	MC	MC	VARIOUS	1/50 HP	120	1	PWC	-	-	-	VND	VND	TC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
SP-1	SUMP PUMP	PC	PC	ELEV. PIT	1/2 HP	120	1	PWC	-	-	-	VND	VND	PC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
GWH-1	GAS WATER HEATER	PC	PC	MECHANICAL 108	0.2 FLA	120	1	-	-	-	-	-	-	-	SW	20	EC	EC	2#12, 1#12G, 3/4"C	
HWCP-1	HOT WATER CIRCULATING PUMP	PC	PC	MECHANICAL 108	1/60 HP	120	1	-	-	-	-	-	-	-	SW	20	EC	EC	2#12, 1#12G, 3/4"C	

EQUIPMENT DATA NOTES:

HP / LOAD
HORSEPOWER UNLESS
KW, KVA, OR AMPS INDICATED

FURNISHED OR INSTALLED BY
- EC ELECTRICAL CONTRACTOR
- FC FOOD SERVICE CONTRACTOR
- GC GENERAL CONTRACTOR
- MC MECHANICAL CONTRACTOR
- NIC NOT IN CONTRACT
- OWN OWNER
- PC PLUMBING CONTRACTOR
- TC TEMPERATURE CONTROLS CONTRACTOR
- VND VENDOR / WITH EQUIPMENT
- FPC FIRE PROTECTION CONTRCATOR
- ELC ELEVATOR CONTRACTOR

STARTER TYPE
- FVNR FULL VOLTAGE, NON-REVERSING
- FVR FULL VOLTAGE, REVERSING
- MAN MANUAL MOTOR STARTER W/ OVERLOAD(S)
- PWC PRE-WIRED CONTROLS
- RVAT REDUCED VOLTAGE - AUTOTRANSFORMER
- SDS REDUCED VOLTAGE - STAR DELTA
- VSD VARIABLE SPEED DRIVE
- 2S2W TWO SPEED - TWO WINDING
- 2S1W TWO SPEED - SINGLE WINDING

DISCONNECT TYPE
- CB CIRCUIT BREAKER
- FS FUSED SWITCH
- NF NON-FUSED SWITCH
- SW TOGGLE SWITCH
- MCP MOTOR CIRCUIT PROTECTOR
- SR SINGLE RECEPTACLE
- DR DUPLEX RECEPTACLE
- TT THERMAL TRIP SWITCH

SIZE
- FUSE/SWITCH SIZE
- TRIP SIZE

A. ALL STARTERS SHALL BE PROVIDED WITH FUSED CONTROL POWER TRANSFORMER, HAND-OFF-AUTO SELECTOR SWITCH, PILOT LIGHTS AND 2 N.O. AND 2 N.C. AUXILIARY CONTACTS UNLESS INDICATED OTHERWISE.
B. INSTALL DISCONNECT SWITCH ON THE SIDE OF THE EQUIPMENT HOUSING.
C. PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT TAG-OUT RULES.

ENGINEERS
ARCHITECTS
SURVEYORS
SCIENTISTS

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ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

BID SET

PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date:	05/01/13
Design/Drown:	TMT
Reviewed:	JDE
Book No.: -	Field: -

SHEET TITLE:

ELECTRICAL SCHEDULES

SHEET NUMBER:

E5.2

Project No.: 0111316.00

Plot: Apr 17, 2013 - 8:38 AM | P:\2011\0111316.00 - Leonhard Recreation Center\Dwg\Sheets\0111316.00-E5 Schedules.dwg | 4/17/2013 8:38 AM | jhulin

MAIN DISTRIBUTION PANEL (MDPH)

TYPE ____ 277/480 VOLTS 3 PHASE 4 WIRE

MOUNTING: [ ] FLUSH [X] SURFACE [ ] PAD MOUNT-FREE STANDING

[X] GROUNDBAR [ ] FEED THRU LUGS

600 AMP MAIN

[ ] LUGS [X] CIRCUIT BREAKER

[X] GROUND FAULT

BRANCH [ ] BREAKERS [ ]

ITEM NO.	USE	SIZE BREAKER FRAME	SIZE TRIP	TYPE	POLE	PHASE LOADING IN VA A	B	C	REMARKS
1	PANEL MDPL VIA T-1	225	225		3	61130	57048	51139	
2	PANEL LPA	100	100		3	16306	17562	15814	
3	ELEVATOR	100	80		3	5820	5820	5820	
4	HP-15	60	40		3	7050	7050	7050	
5	HP-16	60	40		3	7050	7050	7050	
6	DOAS-1	60	35		3	6651	6651	6651	
7	ERV-1	60	25		3	3968	3968	3968	
8	LP-1	30	20		3	3880	3880	3880	
9	LP-2	30	20		3	3880	3880	3880	
10	DH-1	60	35		3	6667	6667	6667	
11	SPARE	100	100		3				
					TOTALS	122402	119576	111919	

FEEDER [ ] TOP [X] BOTTOM ____ KCMIL [ ] FEEDER BUS

INTEGRATED EQUIPMENT RATING 42,000 AMPS RMS SYM.

MAXIMUM DIMENSIONS W - H - D -

TOTAL CONNECTED LOAD 353897 VA

ESTIMATED MAXIMUM DEMAND 264059 VA

ESTIMATED MAXIMUM DEMAND 318 AMPS

DISTRIBUTION PANEL (MDPL)

TYPE ____ 120/208 VOLTS 3 PHASE 4 WIRE

MOUNTING: [ ] FLUSH [X] SURFACE [ ] PAD MOUNT-FREE STANDING

[X] GROUNDBAR [ ] FEED THRU LUGS

400 AMP MAIN

[ ] LUGS [ ] GROUND FAULT

[X] CIRCUIT BREAKER

BRANCH [ ] BREAKERS [ ]

ITEM NO.	USE	SIZE BREAKER FRAME	SIZE TRIP	TYPE	POLE	PHASE LOADING IN VA A	B	C	REMARKS
1	PANEL IT	100	100		3	4935	3535	3135	
2	PANEL RPA	225	225		3	32080	30496	27484	
3	PANEL RPB	225	225		3	20939	21017	19460	
4	PANEL ELV	60	60		3	3176	2000	1060	
5	SPARE	100	100		3				
6									
7									
8									
9									
10									
11									
					TOTALS	61130	57048	51139	

FEEDER [ ] TOP [X] BOTTOM ____ KCMIL [ ] FEEDER BUS

INTEGRATED EQUIPMENT RATING 22,000 AMPS RMS SYM.

MAXIMUM DIMENSIONS W - H - D -

TOTAL CONNECTED LOAD 169317 VA

ESTIMATED MAXIMUM DEMAND 112293 VA

ESTIMATED MAXIMUM DEMAND 312 AMPS

PANEL ID: ELV
VOLTAGE: 120 / 208
PHASE: 3
RATED AMPERAGE: 60
MAIN: 60 A MCB
MOUNTING: SURFACE

CONNECTED LOAD PER PHASE

A	B	C
3176	2000	1060
26	17	9

WATTS/PHASE
AMPS/PHASE

FOUR WIRE S/N	X
GROUND BUS	X
SECTION	1
SHUNT TRIP	N/A
CONTACTOR	N/A

CKT	DIRECTORY	LOAD	*	BKR SIZE	PHASE A	PHASE B	PHASE C	BKR SIZE	*	LOAD	DIRECTORY	CKT
1	~~CAB RECPT~~ SPARE	1000	1	20/1	2000			20/1	1	1000	PIT RECPT	2
3	CAB LIGHT	1000	1	20/1		2000		20/1	1	1000	EQUIP RECPT	4
5	PIT LIGHT	1000	1	20/1			1060	20/1	1	60	EQUIP. ROOM LIGHT	6
7	SPARE		1	20/1	1176			20/1	1	1176	SUMP PUMP	8
9	SPARE		1	20/1		0		20/1	1		SPARE	10
11	SPARE		1	20/1			0	20/1	1		SPARE	12

FEEDER ENTRY: TOP
AIC RATING: 22000

TOTAL CONNECTED WATTS: 6236
TOTAL DEMAND WATTS: 6001

TOTAL CONNECTED AMPS: 17
TOTAL DEMAND AMPS: 17
TOTAL SPARE AMPS: 31

* INDICATES BREAKER TYPE: 1 = STANDARD, 2 = HACR(HVAC RATED), 3 = 6mA GFI, 4 = 30 mA GFI, 5 = SHUNT TRIP ACTIVATED

ENGINEERS
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www.f-w.com

ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

BID SET

PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date: 05/01/13
Design/Drawn: TMT
Reviewed: JDE
Book No.: - Field: -

SHEET TITLE:

ELECTRICAL SCHEDULES

SHEET NUMBER:

E5.3

Project No.: 0111316.00

Xref Files:
I Bindrx | F:\2011\0111316.00--Leonard Recreation Center\Dwg\Sheets\0111316.00-ES Sanedschedules | 4/1/2013 8:36 AM

PANEL ID: RPA					CONNECTED LOAD PER PHASE						FOUR WIRE S/N	X
VOLTAGE: 120 / 208					A	B	C				GROUND BUS	X
PHASE: 3												
RATED AMPERAGE: 225								WATTS/PHASE			SECTION	1
MAIN: 225 A MLO					32080	30496	27484				SHUNT TRIP	N/A
MOUNTING: SURFACE					267	254	229	AMPS/PHASE			CONTACTOR	N/A
CKT	DIRECTORY	LOAD	*	BKR SIZE	PHASE A	PHASE B	PHASE C	BKR SIZE	*	LOAD	DIRECTORY	CKT
1	GYM RCPT	1000	1	20/1	2000			20/1	1	1000	GYM RCPT	2
3	GYM RCPT	1000	1	20/1		2000		20/1	1	1000	GYM RCPT	4
5	GYM RCPT	1000	1	20/1			2000	20/1	1	1000	GYM RCPT	6
7	GYM RCPT	1000	1	20/1	2000			20/1	1	1000	GYM RCPT	8
9	GYM RCPT	1000	1	20/1		2000		20/1	1	1000	GYM RCPT	10
11	GYM RCPT	1000	1	20/1			2000	20/1	1	1000	GYM RCPT	12
13	GYM RCPT	1000	1	20/1	2000			20/1	1	1000	GYM RCPT	14
15	GYM RCPT	1000	1	20/1		2000		20/1	1	1000	GYM RCPT	16
17	GYM RCPT	1000	1	20/1			2000	20/1	1	1000	GYM RCPT	18
19	GYM RCPT	1000	1	20/1	2000			20/1	1	1000	GYM RCPT	20
21	GYM RCPT	1000	1	20/1		2000		20/1	1	1000	MOTORIZED BACKBOARD	22
23	MOTORIZED BACKBOARD	1800	1	20/1			2800	20/1	1	1000	MOTORIZED BACKBOARD	24
25	MOTORIZED BACKBOARD	1800	1	20/1	2800			20/1	1	1000	MOTORIZED BACKBOARD	26
27	MOTORIZED BACKBOARD	1800	1	20/1		2800		20/1	1	1000	MOTORIZED BACKBOARD	28
29	MOTORIZED BACKBOARD	1800	1	20/1			2800	20/1	1	1000	MOTORIZED BACKBOARD	30
31	MOTORIZED BACKBOARD	1800	1	20/1	2800			20/1	1	1000	MOTORIZED BACKBOARD	32
33	MOTORIZED BACKBOARD	1800	1	20/1		3400		20/1	1	1600	SCOREBOARD	34
35	SCOREBOARD	1600	1	20/1			3200	20/1	1	1600	SCOREBOARD	36
37	SCOREBOARD	1600	1	20/1	3400			20/1	1	1800	GYM CURTAIN	38
39	RCPT	1296	1	20/1		2696		20/1	1	1400	RCPT	40
41	RCPT	1400	1	20/1			2600	20/1	1	1200	RCPT	42
43	RCPT	1200	1	20/1	2600			20/1	1	1400	RCPT	44
45	COUNTER RCPT	1800	1	20/1		3000		20/1	1	1200	RCPT	46
47	PADDLE FAN	120	2	20/1			1320	20/1	1	1200	RCPT	48
49	RCPT	1200	1	20/1	2400			20/1	1	1200	RCPT	50
51	RCPT	1200	1	20/1		2200		20/1	1	1000	RCPT	52
53	RCPT	1000	1	20/1			2000	20/1	1	1000	EWC	54
55	RCPT	1000	1	20/1	2400			20/1	1	1400	RCPT	56
57	RCPT	1000	1	20/1		2000		20/1	1	1000	POWER DOOR	58
59	RCPT	1000	1	20/1			2000	20/1	1	1000	POWER DOOR	60
61	RCPT	1000	1	20/1	2000			20/1	1	1000	RCPT	62
63	RCPT	1000	1	20/1		2116		20/1	1	1116	RCPT/LTG CLOSETS	64
65	RCPT	1000	1	20/1			1480	20/1	2	480	PADDLE FAN #10, 11, 12, 13	66
67	PADDLE FAN #6, 7, 8, 9	480	2	20/1	1680			20/1	1	1200	VENDING MACHINE	68
69	GYM RCPT	1000	1	20/1		2200		20/1	1	1200	VENDING MACHINE	70
71	FUTURE GYM CURTAIN	1000	1	20/1			2200	20/1	1	1200	VENDING MACHINE	72
73	FUTURE GYM CURTAIN	1000	1	20/1	2200			20/1	1	1200	VENDING MACHINE	74
75	TRANSFER FAN (TF-1)	84	1	20/1		1084		20/1	1	1000	GYM RCPT	76
77	TRANSFER FAN (TF-2)	84	1	20/1			1084	20/1	1	1000	FLOOR VENTILATION FAN	78
79	RCPT	800	1	20/1	1800			20/1	1	1000	FLOOR VENTILATION FAN	80
81	SPARE		1	20/1		1000		20/1	1	1000	FLOOR VENTILATION FAN	82
83	SPARE		1	20/1			0	20/1	1		SPARE	84

FEEDER ENTRY: TOP — TOTAL CONNECTED WATTS: 57660 — TOTAL CONNECTED AMPS: 160
AIC RATING: 22000 — TOTAL DEMAND WATTS: 44378 — TOTAL DEMAND AMPS: 123
TOTAL SPARE AMPS: 57

* INDICATES BREAKER TYPE: 1 = STANDARD, 2 = HACR(HVAC RATED), 3 = 6mA GFI, 4 = 30 mA GFI, 5 = SHUNT TRIP ACTIVATED

PANEL ID: RPB					CONNECTED LOAD PER PHASE						FOUR WIRE S/N	X
VOLTAGE: 120 / 208					A	B	C				GROUND BUS	X
PHASE: 3												
RATED AMPERAGE: 225								WATTS/PHASE			SECTION	1
MAIN: 225 A MLO					20939	21017	19460				SHUNT TRIP	N/A
MOUNTING: SURFACE					174	175	162	AMPS/PHASE			CONTACTOR	N/A
CKT	DIRECTORY	LOAD	*	BKR SIZE	PHASE A	PHASE B	PHASE C	BKR SIZE	*	LOAD	DIRECTORY	CKT
1	RCPT	1200	1	20/1	2400			20/1	1	1200	RCPT	2
3	RCPT	1200	1	20/1		2200		20/1	1	1000	RCPT	4
5	PADDLE FAN	120	1	20/1			240	20/1	1	120	PADDLE FAN	6
7	EWC at Lounge	1000	1	20/1	2000			20/1	1	1000	RCPT	8
9	VENDING	1000	1	20/1		2000		20/1	1	1000	POWER DOOR	10
11	RCPT - ROOF	200	1	20/1			699	20/1	1	499	HP-1	12
13	FAP	1000	1	20/1	2265			20/1	1	1265	HP-2	14
15	RCPT	1200	1	20/1		1699		20/1	1	499	HP-4	16
17	RCPT	1000	1	20/1			1499	20/1	1	499	HP-5	18
19	REFRIGERATOR	1000	1	20/1	2624					1624		20
21	PADDLE FAN	120	1	20/1		1744		20/1	1	1624	HP-6	22
23	PADDLE FAN	120	1	20/1			1744			1624		24
25	FCP	1000	1	20/1	2374					1374		26
27	FPS	1000	1	20/1		2374		20/1	1	1374	HP-7	28
29	COPIER	1800	1	20/1			3174			1374		30
31	GWH-1, HWCP-1	400	1	20/1	3522					3122		32
33	GYM EQUIP.CONTROL PANEL	1800	1	20/1		4922		20/1	1	3122	HP-8	34
35		1681					4803			3122		36
37	UH-1	1681	1	20/3	2122			20/1	1	441	HP-9	38
39		1681				2446		20/1	1	765	HP-10	40
41	RCPT	1816	1	20/1			3632			1816		42
43	HP-14	1816	2	20/3	3632			20/1	1	1816	HP-11	44
45		1816				3632				1816		46
47	HP-13	2404	2	20/3			3669	20/1	1	1265	HP-12	48
49	SPARE		1	20/1	0			20/1	1		SPARE	50
51	SPARE		1	20/1		0		20/1	1		SPARE	52
53	SPARE		1	20/1			0	20/1	1		SPARE	54
55	SPARE		1	20/1	0			20/1	1		SPARE	56
57	SPARE		1	20/1		0		20/1	1		SPARE	58
59	SPARE		1	20/1			0	20/1	1		SPARE	60
61	SPARE		1	20/1	0			20/1	1		SPARE	62
63	SPARE		1	20/1		0		20/1	1		SPARE	64
65	SPARE		1	20/1			0	20/1	1		SPARE	66
67	SPARE		1	20/1	0			20/1	1		SPARE	68
69	SPARE		1	20/1		0		20/1	1		SPARE	70
71	SPARE		1	20/1			0	20/1	1		SPARE	72
73	SPARE		1	20/1	0			20/1	1		SPARE	74
75	SPARE		1	20/1		0		20/1	1		SPARE	76
77	SPARE		1	20/1			0	20/1	1		SPARE	78
79	SPARE		1	20/1	0			20/1	1		SPARE	80
81	SPARE		1	20/1		0		20/1	1		SPARE	82
83	SPARE		1	20/1			0	20/1	1		SPARE	84

FEEDER ENTRY: TOP — TOTAL CONNECTED WATTS: 61416 — TOTAL CONNECTED AMPS: 170
AIC RATING: 22000 — TOTAL DEMAND WATTS: 58980 — TOTAL DEMAND AMPS: 164
TOTAL SPARE AMPS: 36

* INDICATES BREAKER TYPE: 1 = STANDARD, 2 = HACR(HVAC RATED), 3 = 6mA GFI, 4 = 30 mA GFI, 5 = SHUNT TRIP ACTIVATED

PANEL ID: LPA					CONNECTED LOAD PER PHASE						FOUR WIRE S/N	X
VOLTAGE: 277 / 480					A	B	C				GROUND BUS	X
PHASE: 3												
RATED AMPERAGE: 100								WATTS/PHASE			SECTION	1
MAIN: 100 A MLO					16306	17562	15814				SHUNT TRIP	N/A
MOUNTING: SURFACE					59	63	57	AMPS/PHASE			CONTACTOR	N/A
CKT	DIRECTORY	LOAD	*	BKR SIZE	PHASE A	PHASE B	PHASE C	BKR SIZE	*	LOAD	DIRECTORY	CKT
1	GYM LTG	1944	1	20/1	3888			20/1	1	1944	GYM LTG	2
3	GYM LTG	1944	1	20/1		3888		20/1	1	1944	GYM LTG	4
5	GYM LTG	1944	1	20/1			3888	20/1	1	1944	GYM LTG	6
7	GYM LTG	1944	1	20/1	3888			20/1	1	1944	GYM LTG	8
9	GYM LTG	1944	1	20/1		3888		20/1	1	1944	GYM LTG	10
11	MISC GYM AREA LTG	736	1	20/1			1636	20/1	1	900	WALL PACKS OUTDOOR	12
13	INTER LTG	2580	1	20/1	3768			20/1	1	1188	LOBBY LTG	14
15	INTER LTG	2324	1	20/1		5624		20/1	1	3300	GYM LTG	16
17	INTER LTG	3752	1	20/1			7528	20/1	1	3776	GYM LTG	18
19	INTER LTG	2600	1	20/1	2600			20/1	1	100	SIGN LTG	20
21	INTER LTG	2000	1	20/1		4162				2162		22
23	PARKING LOT LTG	600	1	20/1			2762	15/3	1	2162	CH-1	24
25	SPARE		1	20/1	2162					2162		26
27	SPARE		1	20/1		0		20/1	1		SPARE	28
29	SPARE		1	20/1			0	20/1	1		SPARE	30
31	SPARE		1	20/1	0			20/1	1		SPARE	32
33	SPARE		1	20/1		0		20/1	1		SPARE	34
35	SPARE		1	20/1			0	20/1	1		SPARE	36
37	SPARE		1	20/1	0			20/1	1		SPARE	38
39	SPARE		1	20/1		0		20/1	1		SPARE	40
41	SPARE		1	20/1			0	20/1	1		SPARE	42

FEEDER ENTRY: TOP — TOTAL CONNECTED WATTS: 49682 — TOTAL CONNECTED AMPS: 60
AIC RATING: 42000 — TOTAL DEMAND WATTS: 49682 — TOTAL DEMAND AMPS: 60
TOTAL SPARE AMPS: 20

* INDICATES BREAKER TYPE: 1 = STANDARD, 2 = HACR(HVAC RATED), 3 = 6mA GFI, 4 = 30 mA GFI, 5 = SHUNT TRIP ACTIVATED

PANEL ID: IT					CONNECTED LOAD PER PHASE						FOUR WIRE S/N	X
VOLTAGE: 120 / 208					A	B	C				GROUND BUS	X
PHASE: 3												
RATED AMPERAGE: 60								WATTS/PHASE			SECTION	1
MAIN: 60 A MLO					4935	3535	3135				SHUNT TRIP	N/A
MOUNTING: SURFACE					41	29	26	AMPS/PHASE			CONTACTOR	N/A
CKT	DIRECTORY	LOAD	*	BKR SIZE	PHASE A	PHASE B	PHASE C	BKR SIZE	*	LOAD	DIRECTORY	CKT
1	RACK	1800	1	20/1	3135					1335		2
3	RACK	1800	1	20/1		3135		20/3	2	1335	HP-3	4
5	RACK	1800	1	20/1			3135			1335		6
7	RACK	1800	1	20/1	1800			20/1	1		SPARE	8
9	TELEPHONE TERMINAL BOARD	400	1	20/1		400		20/1	1		SPARE	10
11	SPARE		1	20/1			0	20/1	1		SPARE	12
13	SPARE		1	20/1	0			20/1	1		SPARE	14
15	SPARE		1	20/1		0		20/1	1		SPARE	16
17	SPARE		1	20/1			0	20/1	1		SPARE	18
19	SPARE		1	20/1	0			20/1	1		SPARE	20
21	SPARE		1	20/1		0		20/1	1		SPARE	22
23	SPARE		1	20/1			0	20/1	1		SPARE	24

FEEDER ENTRY: TOP — TOTAL CONNECTED WATTS: 8935 — TOTAL CONNECTED AMPS: 25
AIC RATING: 22000 — TOTAL DEMAND WATTS: 8935 — TOTAL DEMAND AMPS: 25
TOTAL SPARE AMPS: 23

* INDICATES BREAKER TYPE: 1 = STANDARD, 2 = HACR(HVAC RATED), 3 = 6mA GFI, 4 = 30 mA GFI, 5 = SHUNT TRIP ACTIVATED

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ISSUE:

#	Date:	Description:

CHAMPAIGN PARK DISTRICT

BID SET

PROJECT:

Champaign Park District

Patricia H. Leonhard Recreation Center

2307 W. Sangamon Dr.
Champaign, IL 61821

Date: 05/01/13
Design/Drawn: TMT
Reviewed: JDE
Book No.: - Field: -

SHEET TITLE:

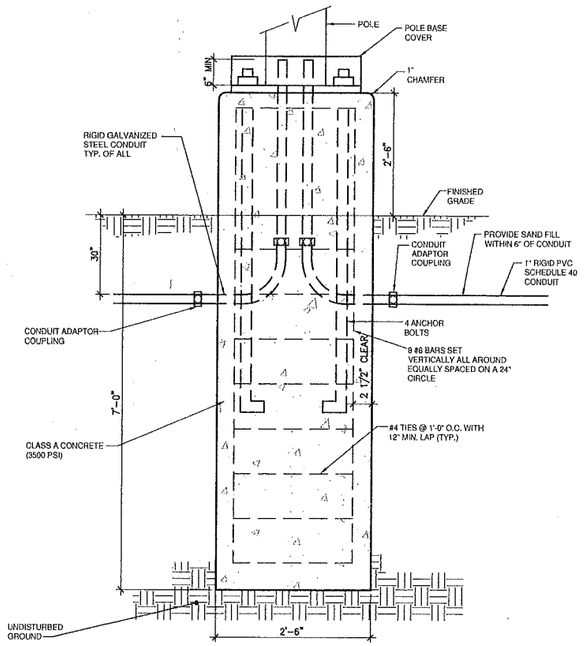
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SHEET NUMBER:

E5.4

Project No.: 0111316.00

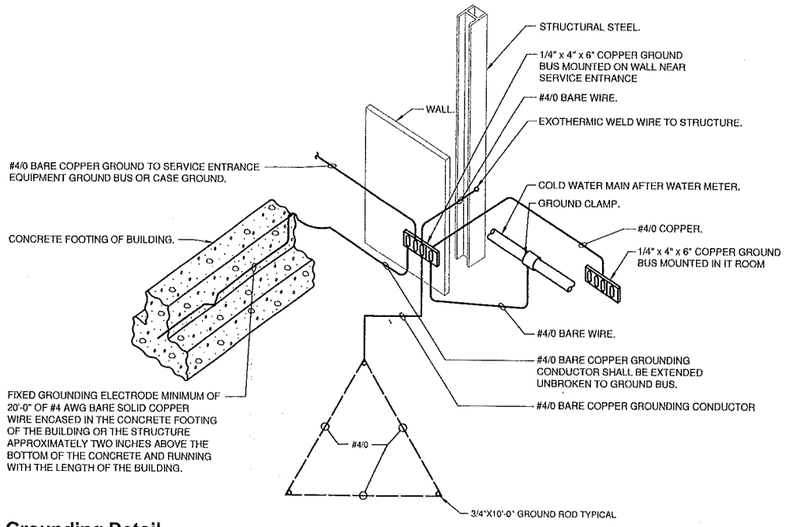
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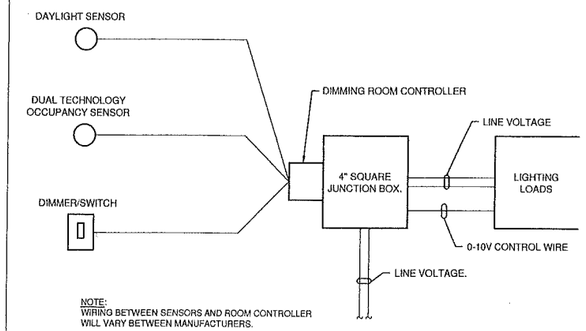
NOTES:

1. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CHECK AND VERIFY ALL ANCHOR BOLT DIMENSIONS (SIZE, BOLT CIRCLE, ETC.,) WITH THE CONTRACTOR WHO WILL BE INSTALLING THE LIGHTING STANDARD PRIOR TO INSTALLATION OF THE FOUNDATIONS.
2. CHAMFER EXPOSED EDGES OF ALL FOUNDATIONS.
3. PROVIDE INSULATING GROUNDING BUSHING ON EXPOSED ENDS (IN BASE OF POLE) OF ALL GALVANIZED STEEL BENDS.

7 Pole Base Detail
Scale: Not To Scale

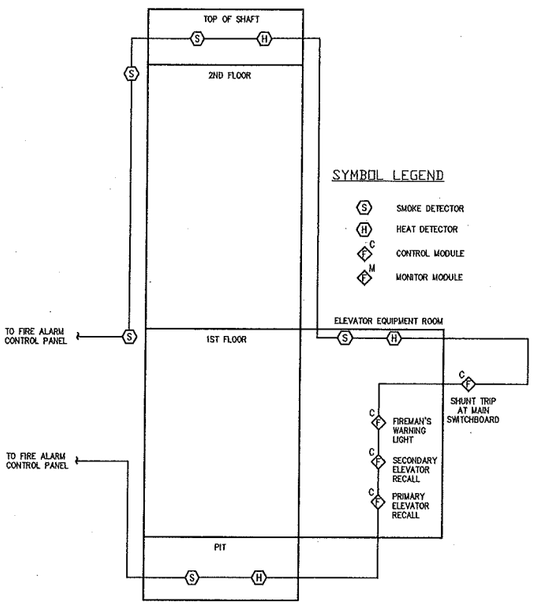


5 Grounding Detail
Scale: Not To Scale

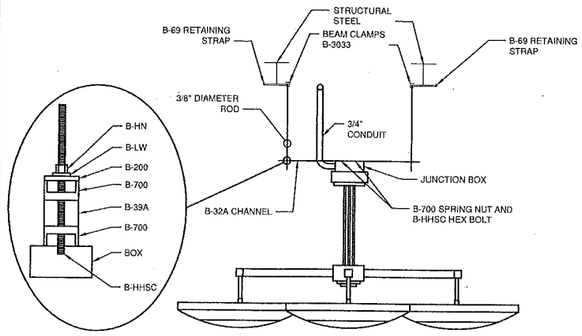


NOTE:
WIRING BETWEEN SENSORS AND ROOM CONTROLLER WILL VARY BETWEEN MANUFACTURERS.

2 Occupancy Sensor Wiring Diagram
Scale: None

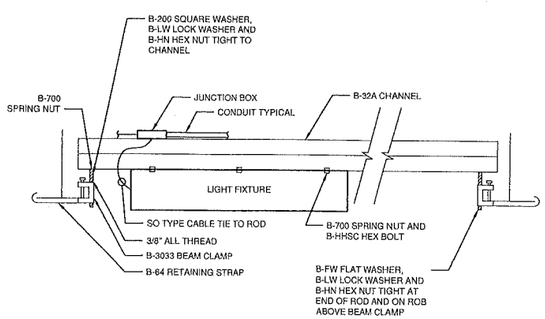


6 Typical Elevator Fire Alarm Detail
Scale: Not To Scale

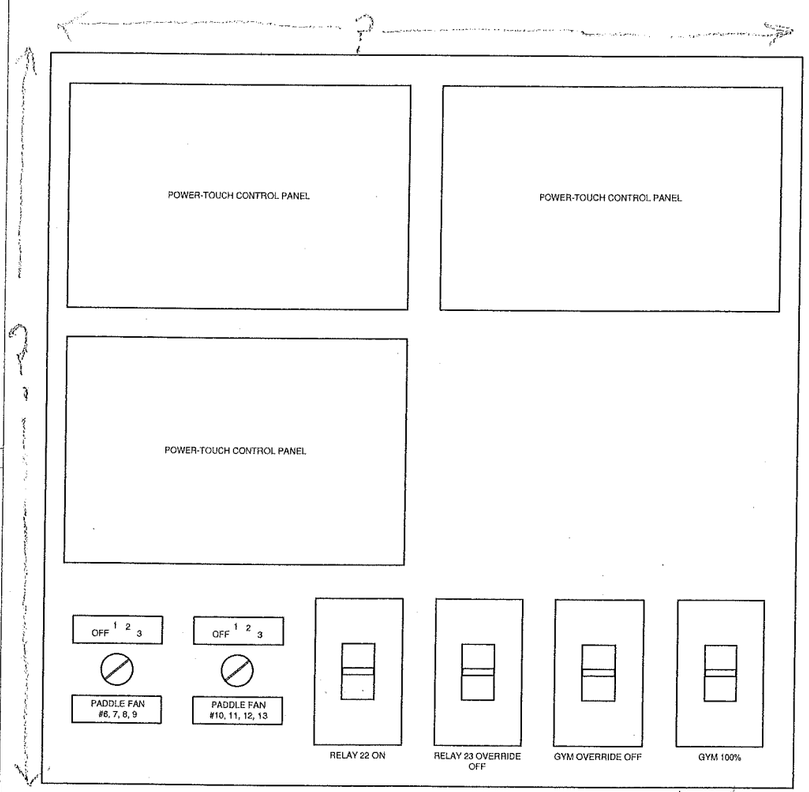


NOTE:
STRUCTURAL STEEL MAY BE DIFFERENT HEIGHTS - FIXTURE SHALL BE LEVEL AND PLUMB.

4 Fixture Type J/JE Mounting
Scale: Not To Scale



3 Light Fixture F/FE Mounting Detail
Scale: Not To Scale



NOTES:

1. NOMINAL 8" DEEP BOX WITH FULL HINGE LOCKABLE COVER. BOX TO HAVE PAINTED MOUNTING PLATE. DRILL HOLE FOR SWITCH. PROVIDE ENGRAVED NAME PLATES. COORDINATE WITH VENDOR OF SYSTEMS (BASKETBALL OR WESTLING MAT)
2. UP, DOWN, SWITCHES BY APPROPRIATE VENDOR, INSTALLED BY E.C.
3. SPEED CONTROL SWITCHES BY PADDLE FAN (PF) VENDOR, INSTALLED BY E.C.

Elevation height ?

1 Gym Switch Box Detail
Scale: None

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Project No.: 0111316.00