	SYM	BOLS	
1 (A-3.1)	ELEVATION MARK		SHEATHING
	SECTION MARK 'SIM' - SIMILAR 'OH' - OPPOSITE HAND		PLASTER, GYPSUM WALLBOARD
			RIGID INSULATION
	? ENLARGED PLAN / DETAIL MARK		BATT INSULATION
001	DOOR REFERENCE NUMBER SEE SHEET A8.1		EARTH
OFFICE C123	ROOM NAME & NUMBER		GRANULAR
PT	FLOOR FINISH	A 2 4 4 7	CONCRETE
A	COLUMN AND GRID NUMBER		BRICK
4	WINDOW REFERENCE NUMBER SEE SHEET A8.1		STEEL, IRON
	SOLID GROUT		WOOD
	WOOD DIMENSIONAL		MORTAR NET
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JOHNSON PARK GYMNASIUM

JOHNSON PARK GYMNASIUM ADDITION 1781 EBENEZER ROAD, CONYERS, GA 30094

CLIENT:	ANDREW MORTON RECREATION & MAINTENANCE ROCKDALE COUNTY BOC CONYERS, GEORGIA 30094	ANDREW MORTON CELL: (470) 249-0241 DIRECT: (770) 278-7091 EMAIL:Andrew.Morton@RockdaleCountyGA
ARCHITECT & INTERIOR DESIGNER:	WAKEFIELD BEASLEY & ASSOCIATES 5200 AVALON BOULEVARD ALPHARETTA, GEORGIA 30009	KAREN SICNER TEL:770-209-9393 CELL:404-394-5698 KSICNER@WBASSOCIATES.COM
STRUCTURAL:	FORESITE GROUP, INC. 5185 PEACHTREE PKWY NW #240 NORCROSS, GA 30092	HOLLY JEFFREYS TELL: 770-368-1399 HJEFFREYS@FG-INC.NET
MECHANICAL ELECTRICAL & PLUMBING:	GRIFFITH ENGINEERING, INC. 4360 CHAMBLEE DUNWOODY RD #210 ATLANTA, GA 30341	CHAD GRIFFITH TELL: 404-455-8157 MCGRIFFITH@GRIFFITHENG.COM
CIVIL:	DPE-DEVELOPMENT PLANNING ENGINEERING 5074 BRISTOL INDUSTRIAL WAY A BUFORD, GA 30518	ALEX NASH TELL: (678) 730-1889 ANASH@DPENGR.COM
FIRE PROTECTION:	GRIFFITH ENGINEERING, INC. 4360 CHAMBLEE DUNWOODY RD #210 ATLANTA, GA 30341	JAY MCCYTCHEON TELL: 678-578-6979 JMCCUTCHEON@GRIFFITHENG.COM

ACOUSTICAL TILE ABOVE FINISHED FLOOR LANDLORD BLDG. MECHANICAL BRICK MINIMUM NON-COMBUSTIBL NOT IN CONTRACT CENTER LINE NOT TO EXCEED NOT TO SCALE **OVERFLOW DRAIN** COORD. PLASTIC LAMINATE CONTINUOUS PRESSURE TREATED ON CENTER **ROOF DRAIN** DOWN SPOUT SUPPLIED BY OWNER ELEV. **ELEVATION** SCHED. SCHEDULE ELECTRIC STEEL **EQUIPMENT SUPPLIER EXPANSION** STRUCT. STRUCTURAL EXTERIOR TONGUE AND GROOVE E.W.C. ELECTRIC WATER COOLER FLOOR DRAIN FIRE EXTINGUISHER CABINET UNLESS NOTED OTHERWISE FINISH FLOOR VERT. VERTICAL FLOOR VINYL WALL COVERING FACE OF FACE OF FINISH WITH F.O.M. WOOD FACE OF MASONRY FURNISHED BY OWNER INSTALLED BY CONTRACTOR WELDED WIRE FABRIC FIRE RETARDANT FRAN. FRANCHISEE FIBERGLASS REINFORCED POLYESTER GENERAL CONTRACTOR GYPSUM WALL BOARD HOLLOW METAL **GENERAL NOTES** DO NOT SCALE DRAWINGS - USE DIMENSIONS ONLY. FOR DIMENSIONS NOT SHOWN OR IN QUESTION, CONTRACTOR SHALL REQUEST CLARIFICATION FROM ARCHITECT BEFORE PROCEEDING. UNLESS OTHERWISE NOTED, INTERIOR PARTITION DIMENSIONS ARE GIVEN FROM FACE OF METAL STUD FRAMING/CMU TO FACE OF METAL STUD FRAMING/CMU, OR FROM FACE OF METAL STUD FRAMING/CMU TO COLUMN CENTERLINE. EXCEPTION: MILLWORK DETAILS WHERE DIMENSIONS ARE FROM FACE OF FINISH SURFACES (GWB, PLASTER, ETC.). ELEVATIONS AND LEVELS ARE SHOWN FROM FINISH FLOOR ELEVATION. TARGET ELEVATIONS ARE BASED ON A "REFERENCE BENCHMARK ELEVATION" -COORDINATE ELEVATION OF FINISHED FLOOR HEIGHT WITH CIVIL AND STRUCTURAL DRAWINGS. PATCH AND REPAIR ALL ITEMS DAMAGED OR ALTERED DURING CONSTRUCTION. ALL PATCHES SHALL BLEND WITH ADJACENT MATERIAL, COLOR, FINISH, AND TEXTURE. ALL EXISTING WORK FURNISHINGS, EQUIPMENT OR MATERIAL TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED AT NO ADDITIONAL COST TO 5 SEAL ALL EXTERIOR PENETRATIONS, INCLUDING TOP OF WALLS. 6 FIELD VERIFY ALL EXISTING CONDITIONS. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO AGREE AND BE MUTUALLY EXPLANATORY AND THEY SHALL BE ACCEPTED AND USED AS A WHOLE AND NOT SEPARATELY. SHOULD ANY ITEMS BE OMITTED FROM THE DRAWINGS AND BE HEREIN SPECIFIED, OR VICE VERSA, IT SHALL BE EXECUTED THE SAME AS IF SHOWN AND COMBINED IN BOTH. SHOULD CONTRADICTIONS BE FOUND, THE CONSTRUCTION PROFESSIONAL SHALL SUBMIT AN RFI AND IT WILL BE THE DECISION OF THE DESIGN PROFESSIONAL TO DETERMINE WHICH SHALL GOVERN. VICINITY MAP NORTH

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E-101 LEGEND, NOTES, RISER E-102 POWER & SYSTEM PLAN					-
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E-102 POWER & SYSTEMPLAN		I FOEND NOTES PISER			X
E-IW LIGHTING MAN					X
	= ¹₩	LICTINGMAN			X
09 FIRE PROTECTION					

R-VALUES

MIN. R-VALUES FOR NEW CONSTRUCTION ARE AS FOLLOWS:

METAL BUILDING WALLS:...........R-19

METAL BUILDING ROOF:............R-13 + R-13

STANDARD ROOF R-20Ci

GENERAL NOTE:

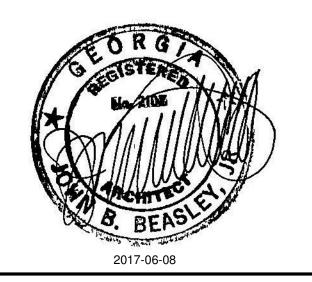
1. ALL NEW INSULATION AND GLAZING IN CONDITIONED SPACES SHALL MEET THE MINIMUM REQUIREMENTS CONTAINED IN THE 2009 INTERNATIONAL ENERGY COMPLIANCE CODE WITH GEORGIA AMENDMENTS FOR CLIMATE ZONE 3

METAL FRAMED WALLS R-13 + R3.8 CI

WAKEFIELD BEASLEY & ASSOCIATES

ATLANTA · JACKSONVILLE · PANAMA

ABU DHABI · DUBAI · SHANGHAI



JOHNSON PARK GYMNASIUM

1781 EBENEZER ROAD CONYERS, GA 30094

DESCRIPTION

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Print Record

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2017 -05-15 90% CONSTRUCTION DOCUMENTS

2017 -06-08 100% CONSTRUCTION DOCUMENTS

2017 -06-29 BUILDING PERMIT SUBMISSION

Revisions

No. DATE

 Date
 Job No.

 06/29/2017
 1607008000

 Sheet Title

COVER SHEET

G-001

MEANS OF EGRESS LEGEND:

1. THE OCCUPANCY LOAD FACTOR IS DERIVED FROM TABLE 7.3.1.2 FRO M THE NFPA101: LIFE SAFETY CODE.

2. INCHES PER OCCUPANT SERVED FROM THE TABLE 7.3.3.1 FROM THE NFPA 101

3.MAXIMUM TRAVEL DISTANCE IS 200 FEET IN ASSEMBLY OCCUPANCIES PER

SECTION 12.2.6. 300 FEET IN BUSINESS OCCUPANCIES PER SECTION 38.2.6 AND

400 FEET IN STORAGE OCCUPANCIES

PER SECTION 42.2.6 OF THE NFPA LIFE

SAFETY CODE FOR THE SUPERVISED

AUTOMATIC SPRINKLER SYSTEM IN

ACCORDANCE WITH SECTION 9.7.

LIFE SAFETY CODE.

SWING DOOR CAPACITY:

DOOR WIDTH

EXIT CAPACITY=

DOOR WIDTH LESS 2"

DOOR WIDTH

EXIT CAPACITY=

DOOR WIDTH LESS 4"

WALL RATINGS:

DISTANCES:

2 SAFETY PLAN 1/16" = 1'-0"

SMOKE BARRIER

____ 1 HR WALL

— - - - — 2 HR WALL

TRAVEL DISTANCES

X' - X"

MAX. DIAGOLE

DISTANCE/
EXIT SEPARATION

MEANS OF EGRESS LEGEND_LIFE

DEAD END CORRIDOR

STC 50

GENERAL NOTES: OCCUPANT LOADS ARE NOT ASSIGNED TO CIRCULATION OR UNOCCUPIED SPACES IBC TABLE 1004.1.2 WAS NOT USED SINCE L.S.C. HAS PRECEDENCE.

APPLICABLE CODES INTERNATIONAL BUILDING CODE, 2012 EDITION WITH GEORGIA 2014 IBC AMENDMENTS. NFPA 101 LIFE SAFETY CODE, 2012 EDITION, GEORGIA CHAPTER 120-3-3. LIFE SAFETY: MECHANICAL: PLUMBING:

INTERNATIONAL FIRE CODE, 2012 EDITION WITH GEORGIA 2014 IFC AMENDMENTS. INTERNATIONAL MECHANICAL CODE, 2012 EDITION WITH GEORGIA 2014 IMC AMENDMENTS. INTERNATIONAL PLUMBING CODE, 2012 EDITION WITH GEORGIA 2014 IPC AMENDMENTS. ELECTRICAL: GAS: NATIONAL ELECTRICAL CODE, 2014 EDITION. INTERNATIONAL FUEL GAS CODE, 2012 EDITION WITH GEORGIA 2014 IFGC AMENDMENTS. INTERNATIONAL ENERGY CONSERVATION CODE, 2009 EDITION WITH GEORGIA 2011 IECC & 2012 IECC ENERGY: SUPPLEMENTS AND AMENDMENTS. ACCESSIBILITY: 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.

OCCUPANCY CLASSIFICATIONS:	OCCUPANCY CLA LSC (NFPA 101 20	ASSIFICATIONS: 012 EDITION) & IBC
GYMNASIUM - ASSEMBLY A-3 PER IBC SECT	TION 303 ; WEIGHT ROOM - GROU	P B - BUISNESS
CLASSIFICATION:	FUNCTION:	OCCUPANT LOAD FACTOR: (LSC TABLE 7.3.1.2)
ASSEMBLY: A3 IBC 303.4	UNCONCENTRATED	15 SF PER PERSON - NET 18" PER PERSON - PER BENCH
GROUP B: OCCUPANCY	EXERCISE ROOMS WITH EQUIPMENT	50 SF PER PERSON - GROSS

BUILDING DATA

CONSTRUCTION TYPE: TYPE IIB PER IBC CHAPTER	6 TABLE 601		
SPRINKLERS	YES	NFPA 101	CHAPTER 12
STANDPIPES	NO	-	BUILDING IS LESS THAN 30'-0" HEIGHT REQUIREMENT FOR STANDPIPE
FIRE DISTRICT (NOT REQ'D PER OCGA 25-2-12(2))	NO	-	-
FIRE ALARM	YES	AUTOMATIC	-

BUILDING AREAS: IBC CHAPTER 5, SECTION 503, TABLE 503

SE/ OCC. ACTUAL ARE	(A) EA ALLOWABLE	(B) FRONTAGE INCREASE	(C) SPRINKLER INCREASE	(D) INCREASED ALLOWABLE
PROVIDED	FLOOR AREA	(IBC SECTION 506.2)	(IBC <i>SECTION</i> 506.3)	AREA/ FLR
A 7,974 SF	9,500	NA	9,500	19,000
	A 7,974 SF	,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	A 7,974 SF 9,500 NA	A 7,974 SF 9,500 NA 9,500

	.,			19,000 31
BUILDING HEIG	GHTS:	IBC CHAPTER	R 5, SECTION 504, T	ABLE 503
ACTUAL HEIGHTS		ALLOWABLE HEIO	GHTS IBC TABLE 503	
	HEIGHT	ALLOWABLE HEIGHT	INCREASE PER SPRINKLERS (SECTION 504.2)	TOTAL ALLOWABLE HEIGHT
HEIGHT IN FEET	27'-0"	55'-0"	20'-0"	75'-0"
NUMBER OF STORIES	1	2	1	3

NUMBER OF STORIES FIRE PROTECTION SYSTEMS: **IBC CHAPTER 9** FIRE EXTINGUISHERS FOR TABLE 906.3(1) LIGHT HAZARD OCCUPANCY MIN. RATED SINGLE EXTINGUISHER 2-A MAX FLOOR AREA PER UNIT A 3,000 SF MAX FLOOR AREA FOR EXTINGUISHER 11,250 SF

75'-0"

					Total
Level	Number	Name	Area	Occupant Load Factor	Occupants
	1				
FLOOR PLAN	100	GYMNASIUM	7503 SF	15 SF/ PERSON NET 18" PER PERSON PER BENCH	500
FLOOR PLAN	101	ENTRY	194 SF	NA	
FLOOR PLAN	102	JANITOR	19 SF	NA	
FLOOR PLAN	103	VESTIBULE	257 SF	NA	
FLOOR PLAN	104	WEIGHTS	969 SF	50 SF/ PERSON GROSS	20
FLOOR PLAN	105	STORAGE	224 SF	NA	
FLOOR PLAN	106	MECHANICAL/ELECTRICAL	100 SF	NA	

EXIT DOORS : 2 INCHES/ OCCUPANT

SYMBOLS AND ABBREVIATIONS:

023B ROOM NUMBER

EXIT SIGN, WALL MOUNTED

FIRE EXTINGUISHER

FIRE EXTINGUISHER

CABINET

— OCCUPANT LOAD

EXIT CAPACITY

COPY ROOM ROOM NAME

FEC

0 0

MAX DISTANCE FOR EXTINGUISHER

LIFE SAFETY LEGEND:

SYMBOL LEGEND EXIT SIGN, CEILING MOUNTED

PATH OF TRAVEL OCCUPANT LOAD

EGRESS LOAD CAPACITY

LIFE SAFETY

Job No.

1607008000

WAKEFIELD

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JOHNSON PARK

GYMNASIUM

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2017 -02-13 SCHEMATIC DESIGN SUBMISSION 2017 -05-15 90% CONSTRUCTION DOCUMENTS 2017 -06-08 100% CONSTRUCTION DOCUMENTS

2017 -06-29 BUILDING PERMIT SUBMISSION

DESCRIPTION

Print Record

Revisions

Date

06/29/2017

Sheet Title

Sheet No.

COPY ROOM/ CORRIDOR NAME 0238 ROOM/ CORRIDOR NUMBER

0 0

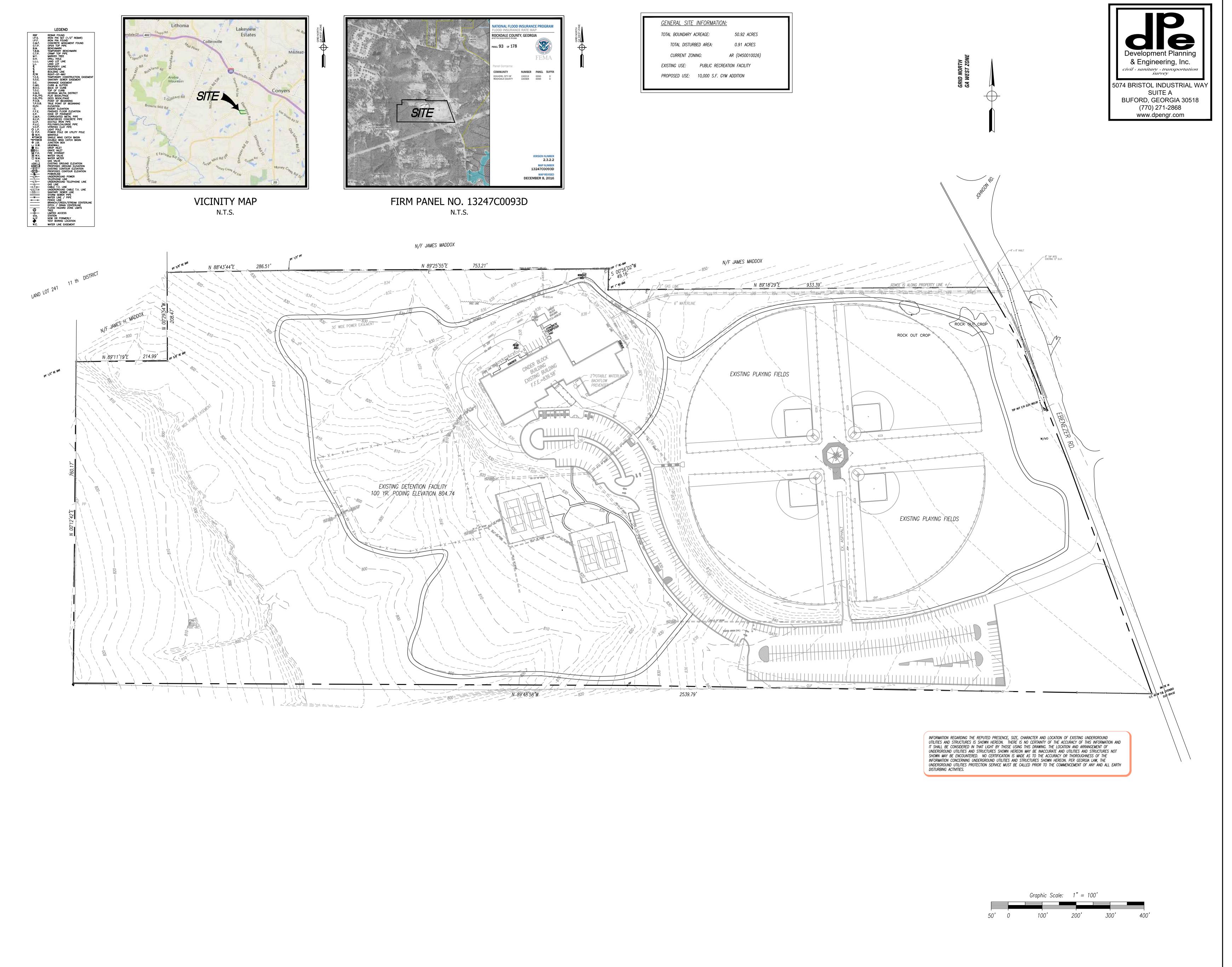
EXIT MARKINGS CEILING MOUNTED EXIT SIGN

WALL MOUNTED

EXIT SIGN

RELEASED FOR CONSTRUCTION

XY



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Print Record

2017 -06-08 100% CONSTRUCTION DOCUMENTS
2017 -06-29 LDP SUBMITTAL TO COUNTY

Revisions
No. DATE

DESCRIPTION

 Date
 Job No.

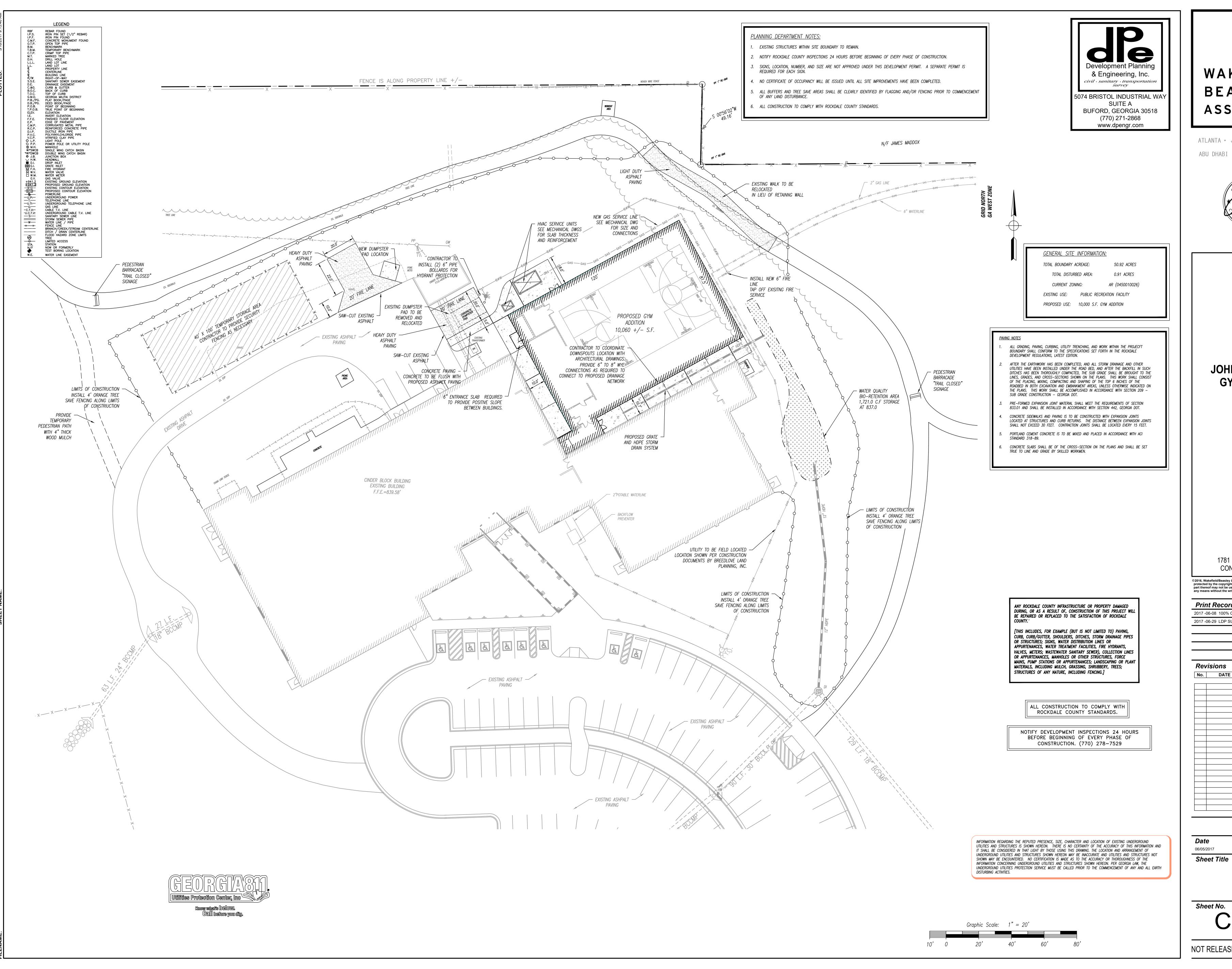
 06/05/2017
 1607008000

Sheet Title

EXISTING CONDITIONS

Sheet No

C-001



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JOHNSON PARK GYMNASIUM

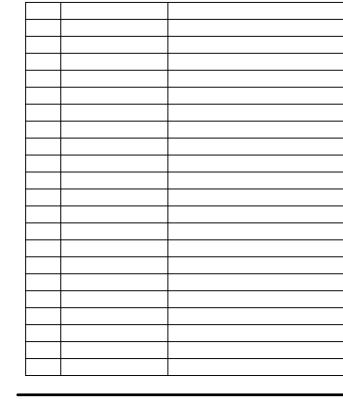
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DESCRIPTION

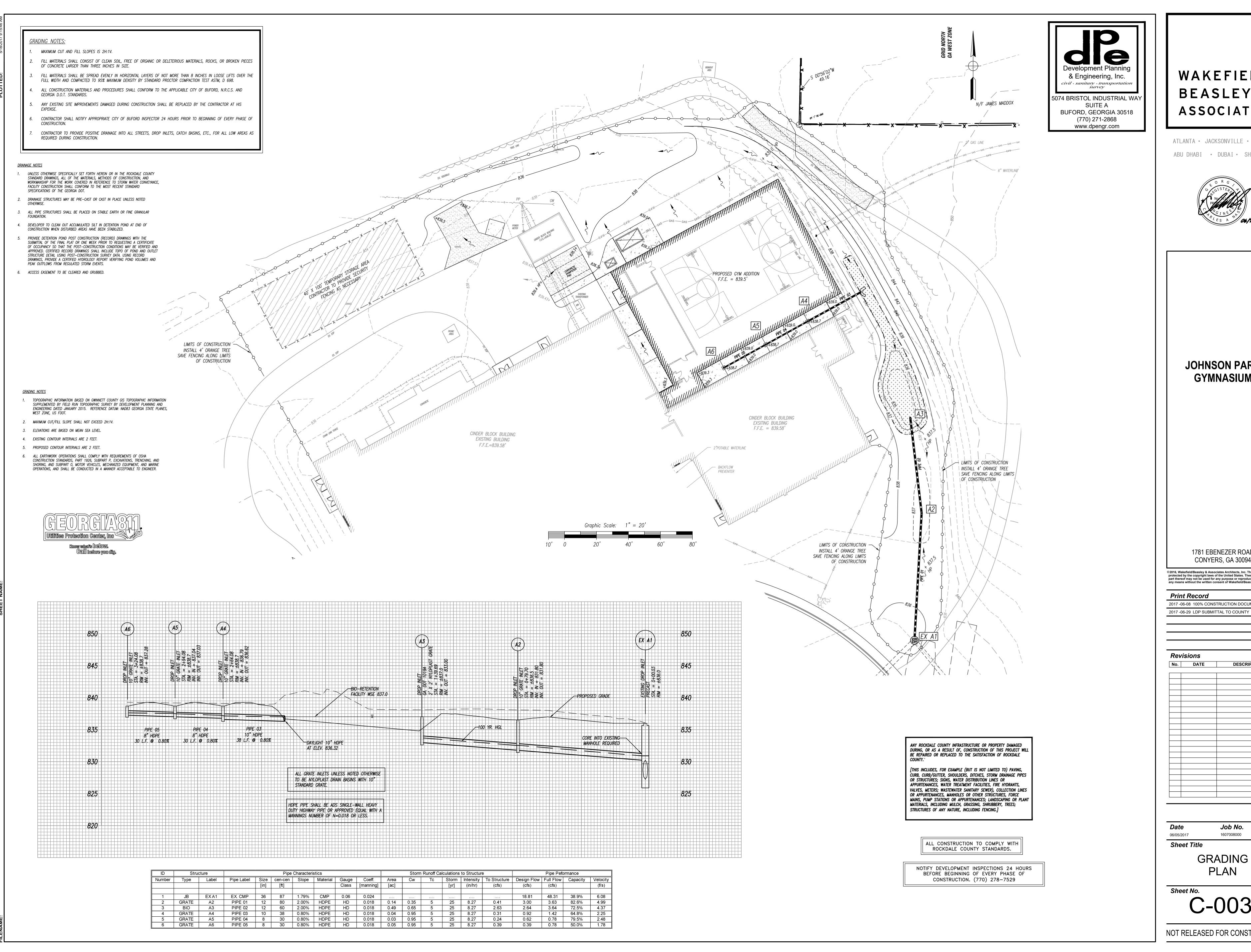
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No. DATE DESCRIPTION

Date Job No. 1607008000 06/05/2017

GRADING

Sheet No.

Sheet Title

DESIGN AND CONSTRUCTION OF ALL WATER AND SANITARY SEWER LINES SHALL CONFORM TO ROCKDALE WATER RESOURCES WATER AND WASTEWATER STANDARDS AND SPECIFICATIONS, LATEST EDITION.

CONTRACTOR WILL NOTIFY RWR ENGINEERING DEPARTMENT AT LEAST 72
HOURS PRIOR TO BEGINNING OF CONSTRUCTION ON WATER AND SEWER. AN
INSPECTOR WILL BE ASSIGNED AND A PRE-CONSTRUCTION MEETING SCHEDULED

"AS-BUILT" DRAWINGS SHALL BE FIELD VERIFIED AND STAMPED BY A
REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR, LICENSED IN THE
STATE OF GEORGIA.

THE CONTRACTOR SHALL COMPLY WITH ALL UTILITIES PROTECTION CENTER REQUIREMENTS.

ROCKDALE COUNTY MATERIAL SPECIFICATIONS:

3.01 MATERIALS

A. APPLICABLE STANDARDS: SUPPLY ALL PRODUCTS AND PERFORM ALL WORK IN ACCORDANCE WITH APPLICABLE AMERICAN SOCIETY FOR TESTING AND MATERIAL (ASTM), AMERICAN WATER WORKS ASSOCIATION (AWWA), AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), OR OTHER RECOGNIZED STANDARDS. LATEST REVISIONS OF ALL STANDARDS ARE APPLICABLE. IF REQUESTED BY ROCKDALE WATER RESOURCES, SUBMIT EVIDENCE THAT MANUFACTURERS HAVE CONSISTENTLY PRODUCED PRODUCTS OF SATISFACTORY QUALITY AND PERFORMANCE FOR A PERIOD OF AT LEAST TWO YEARS.

B. SUBSTITUTIONS: WHENEVER A PRODUCT IS IDENTIFIED IN THE SPECIFICATIONS BY REFERENCE TO MANUFACTURERS' OR VENDORS' NAMES, TRADE NAMES, CATALOG NUMBERS, ETC., THE DEVELOPER MAY FREELY CHOOSE FROM THOSE REFERENCED PRODUCTS WHICH ONES HE WISHES TO PROVIDE. ANY ITEM OR PRODUCT OTHER THAN THOSE DESIGNATED SHALL BE CONSIDERED A SUBSTITUTION. THE DEVELOPER MUST OBTAIN PRIOR APPROVAL FROM ROCKDALE WATER RESOURCES FOR ALL SUBSTITUTIONS. REQUESTS FOR SUBSTITUTIONS MUST BE RECEIVED BY ROCKDALE WATER RESOURCES WITH CONSTRUCTION PLAN SUBMITTAL. PROVIDE ALL PIPE, FITTINGS, VALVES, TAPPING SLEEVES AND VALVES, HYDRANTS, AND ALL OTHER MATERIALS REQUIRED FOR COMPLETION OF THE WORK. PROVIDE MATERIALS IN ACCORDANCE WITH THE FOLLOWING:

C. DUCTILE IRON PIPE (DIP)

1. DUCTILE IRON PIPE SHALL CONFORM TO AWWA C151 AND SHALL BE CLASS 51 UNLESS SHOWN OTHERWISE. ALL PIPE SHALL BE FURNISHED IN MINIMUM LENGTHS OF 18 FEET. PIPE AND FITTINGS SHALL BE CEMENT LINED IN ACCORDANCE WITH AWWA C104. FITTINGS SHALL BE DUCTILE IRON INCLUDING GLANDS AND SHALL CONFORM TO AWWA C153 WITH MINIMUM RATED WORKING PRESSURE OF 250 PSI. PIPE AND FITTINGS SHALL BE FURNISHED WITH A BITUMINOUS

2. JOINTS SHALL BE PUSH—ON TYPE FOR PIPE AND STANDARD MECHANICAL OR FLANGED JOINT FOR FITTINGS. PUSH—ON AND MECHANICAL JOINTS SHALL CONFORM TO AWWA C111. RESTRAINED JOINTS SHALL BE EQUAL TO AMERICAN "LOK—FAST", "FLEX—RING" OR "LOK—RING", CLOW "SUPER—LOCK", OR U.S. PIPE "TR FLEX" OR "LOK—TYTE". RESTRAINED JOINT PIPE (RJP) ON PIERS SHALL HAVE BOLTED JOINTS AND SHALL BE SPECIFICALLY DESIGNED FOR CLEAR SPANS OF AT LEAST 36 FEET.

 THE APPROPRIATE GASKETS FOR MECHANICAL AND FLANGE JOINTS MUST BE PROVIDED.
 GASKETS FOR FLANGE JOINTS SHALL BE MADE OF 1/8-INCH THICK CLOTH REINFORCED RUBBER; GASKETS MAY BE RING TYPE OR FULL – FACE TYPE.

5. THE NECESSARY BOLTS FOR MECHANICAL AND FLANGE CONNECTIONS MUST BE PROVIDED. BOLTS FOR FLANGE CONNECTIONS SHALL BE STEEL WITH AMERICAN REGULAR UNFINISHED SQUARE OR HEXAGON HEADS. NUTS SHALL BE STEEL WITH AMERICAN STANDARD REGULAR HEXAGONAL DIMENSIONS, ALL AS SPECIFIED IN ANSI B 17.2. ALL BOLTS AND ALL NUTS SHALL BE THREADED IN ACCORDANCE WITH ANSI B 1.1, COARSE THREAD SERIES, CLASS 2A AND 2B FIT.

6. DUCTILE IRON PIPE SHALL BE ENCASED WITH POLYETHYLENE FILM WHERE APPLICABLE.
POLYETHYLENE FILM SHALL HAVE A MINIMUM THICKNESS OF 8 MILS. INSTALLATION SHALL BE IN
ACCORDANCE WITH AWWA C105 AND THE MANUFACTURER'S INSTRUCTIONS. ALL ENDS SHALL BE
SECURELY CLOSED WITH TAPE AND ALL DAMAGED AREAS SHALL BE COMPLETELY REPAIRED TO
THE SATISFACTION OF RWR.

7. CCEPTANCE WILL BE ON THE BASIS OF ROCKDALE WATER RESOURCES INSPECTION AND THE MANUFACTURER'S WRITTEN CERTIFICATION THAT THE PIPE WAS MANUFACTURED AND TESTED IN ACCORDANCE WITH THE APPLICABLE STANDARDS.

ROCKDALE COUNTY MATERIAL SPECIFICATIONS:

FIRE HYDRANTS (FH)

ALL FIRE HYDRANTS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AWWA C502. FIRE HYDRANTS SHALL BE SPECIFIED FOR 200 PSI WORKING PRESSURE.

2. HYDRANTS SHALL BE THE COMPRESSION TYPE, CLOSING WITH LINE PRESSURE. THE VALVE OPENING SHALL NOT BE LESS THAN 5-1/4-INCHES.

3. IN THE EVENT OF A TRAFFIC ACCIDENT, THE HYDRANT BARREL SHALL BREAK AWAY FROM THE LOWER BARREL AT A POINT ABOVE GRADE AND IN A MANNER WHICH WILL PREVENT DAMAGE TO THE BARREL AND STEM, PRECLUDE OPENING OF THE VALVE, AND PERMIT RAPID AND INEXPENSIVE RESTORATION WITHOUT DIGGING OR CUTTING OFF THE WATER.

4. THE MEANS FOR ATTACHING THE UPPER BARREL TO THE LOWER BARREL SHALL PERMIT FACING THE HYDRANT A MINIMUM OF EIGHT DIFFERENT DIRECTIONS.

5. 5, HYDRANTS SHALL BE FULLY BRONZE MOUNTED WITH ALL WORKING PARTS OF BRONZE. DS. VALVE SEAT RING SHALL BE BRONZE AND SHALL SCREW INTO A BRONZE RETAINER.

6. ALL WORKING PARTS, INCLUDING THE SEAT RING, SHALL BE REMOVABLE THROUGH THE TOP OF THE HYDRANT WITHOUT DISTURBING THE BARREL OF THE HYDRANT.

7. THE OPERATING NUT SHALL BE NATIONAL STANDARD. THE OPERATING THREADS SHALL BE TOTALLY ENCLOSED IN AN OPERATING CHAMBER SEPARATED FROM THE HYDRANT BARREL BY A RUBBER O—RING STEM SEAL AND LUBRICATED BY A GREASE OR AN OIL RESERVOIR. A STOP NUT SHALL BE POSITIONED IN THE TOP OPERATING MECHANISM OF THE HYDRANT SO THAT THE VALVE STEM CANNOT CONTACT THE BOTTOM OF THE SHOE WHEN THE HYDRANT IS FULLY OPEN.

8. HYDRANT SHALL BE A NON-FREEZING DESIGN AND PROVIDED WITH A SIMPLE, POSITIVE, AND AUTOMATIC DRAIN WHICH SHALL BE FULLY CLOSED WHENEVER THE MAIN VALVE IS OPENED.

9. HOSE AND PUMPER CONNECTIONS SHALL BE BREECH—LOCKED, PINNED, OR THREADED AND PINNED TO SEAL THEM INTO THE HYDRANT BARREL. EACH HYDRANT SHALL HAVE TWO 2-1/2-INCH HOSE CONNECTIONS AND ONE 4-1/2-INCH PUMPER CONNECTION, ALL WITH NATIONAL STANDARD THREADS AND EACH EQUIPPED WITH CAP AND NON-KINKING CHAIN.

10. HYDRANTS SHALL BE FURNISHED WITH A MECHANICAL JOINT CONNECTION TO THE SPIGOT OF AN ANCHOR COUPLING.

11. MINIMUM DEPTH OF BURY SHALL BE 4.5 FEET. PROVIDE EXTENSION SECTION WHERE NECESSARY FOR VERTICAL INSTALLATION AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

12. ALL OUTSIDE SURFACES OF THE BARREL ABOVE GRADE SHALL BE PAINTED WHITE WITH ENAMEL EQUAL TO KOPPERS GLAMORTEX 501.

13. HYDRANTS SHALL BE TRAFFIC MODEL AND SHALL BE AMERICAN-DARLING B-84-B, M&H

14. VALVE 129-01, MUELLER SUPER CENTURION, CLOW OR EAST JORDAN IRON WORKS.



SANITARY SEWER GENERAL NOTES:

THE CONTRACTOR SHALL CALL THE UTILITIES PROTECTION CENTER "CALL BEFORE YOU DIG", TELEPHONE NUMBER 1-800-282-7411, BEFORE INITIATING EXCAVATION ACTIVITIES.

ALL WORK AND MATERIALS ARE TO CONFORM TO CURRENT ROCKDALE COUNTY

STANDARDS.

NO DEVIATIONS FROM APPROVED DRAWINGS ARE ALLOWED WITHOUT APPROVAL FROM

NO DEVIATIONS FROM APPROVED DRAWINGS ARE ALLOWED WITHOUT APPROVAL FROM ROCKDALE COUNTY DEPARTMENT OF WATER AND SEWER.
ALL SANITARY SEWER CONNECTIONS TO BE WITHIN EXISTING STRUCTURE — REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.

NO FENCES, STRUCTURES, TREES OR OTHER OBSTRUCTIONS ARE ALLOWED ON SANITARY

SEWER EASEMENTS. NO BURY PITS ALLOWED WITHIN SANITARY SEWER EASEMENTS. NO DUMPSTER PADS OR POOL DRAIN ALLOWED INTO SANITARY SEWER SYSTEM.

WATER DISTRIBUTION GENERAL NOTES:

1. WATER SERVICE IS PROVIDED BY THE ROCKDALE COUNTY DEPARTMENT OF WATER AND SEWER.

THE DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF ALL
INFRASTRUCTURE FOR A PERIOD OF 18 MONTHS AFTER THE CERTIFICATE OF OCCUPANCY.
ALL WORK AND MATERIALS ARE TO CONFORM TO CURRENT ROCKDALE COUNTY

4. THE CONTRACTOR SHALL CALL THE UTILITIES PROTECTION CENTER "CALL BEFORE YOU DIG" TELEPHONE NUMBER 1-800-282-7411, BEFORE INITIATING EXCAVATION ACTIVITIES.
5. NOTIFY FORSYTH COUNTY WATER AND SEWER DEPT. 24 HOURS PRIOR TO ANY WATER

LINE CONSTRUCTION AT (770) 781–2160.
6. ALL WATER LINES SHALL BE DUCTILE IRON PIPE CLASS 50 OR 350.
7. WATER LINES SHALL BE INSTALLED 5' FROM BUILDING FOUNDATION.

7. WATER LINES SHALL BE INSTALLED 5' FROM BUILDING FOUNDATION.

8. WATER LINES SHALL HAVE AT LEAST 4 FEET OF COVER OR BE 4 FEET BELOW ROAD

GRADE WHICHEVER IS GREATER.

9. THERE ARE NO ADDITIONAL WATER METERS PLANNED FOR THIS ADDITION.

10. FIRE HYDRANTS ARE TO BE 3-WAY 5-1/4" TYPE, AVK SERIES 27.

1. FIRE HYDRANTS MUST BE FLOW TESTED PRIOR TO FINAL PLAT TO ENSURE ADEQUATE FIRE FLOWS.
2. CONCRETE VALVE MARKERS ARE TO BE INSTALLED AT ALL VALVES EXCEPT AT FIRE

HYDRANIS.
CONCRETE BLOCKING SHALL BE PLACED AT ALL BENDS, TEES AND FITTINGS.
300 BSL CURR STORS CORDS AND WAYS REQUIRED DED EORSYTH COUNTY STANDAR

300 PSI CURB STOPS, CORPS AND WYES REQUIRED PER FORSYTH COUNTY STANDARDS.
 ALL VALVES SHALL BE GATE VALVES.

16. GATE VALVES OVER 5' DEEP SHALL HAVE STEM EXTENSIONS.

17. NO DEVIATIONS FROM APPROVED DRAWINGS ARE ALLOWED WITHOUT

7. NO DEVIATIONS FROM APPROVED DRAWINGS ARE ALLOWED WITHOUT APPROVAL FROM ROCKDALE COUNTY DEPARTMENT OF WATER AND SEWER.

8. LINES ARE TO BE PRESSURE TESTED AND DISINFECTED PER COUNTY SPECIFICATIONS.

ROCKDALE COUNTY UNDERGROUND UTILITIES:

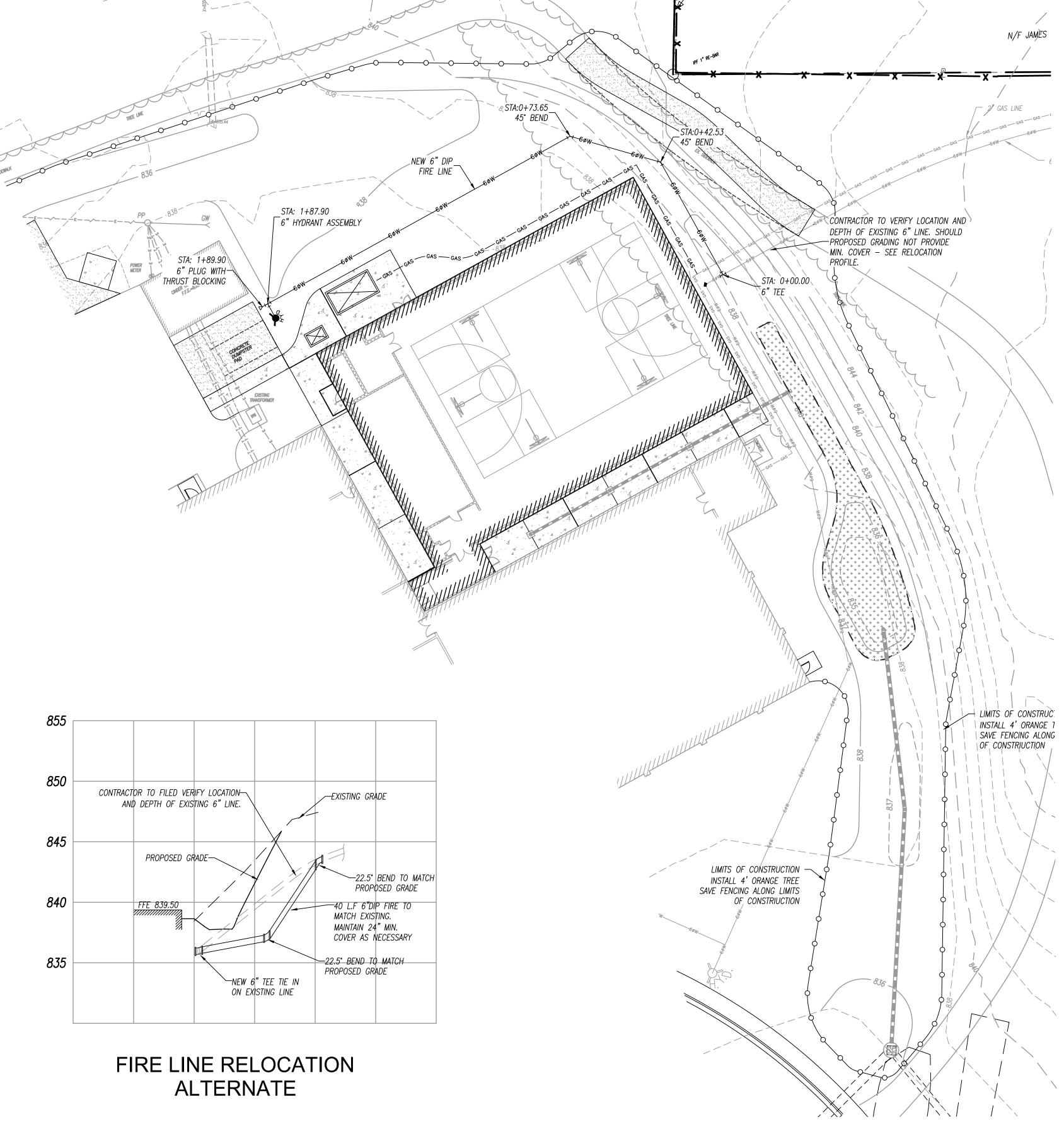
THE CONSTRUCTION PLANS SHALL INDICATE UNDERGROUND UTILITIES OR OBSTRUCTIONS THAT ARE KNOWN TO EXIST ACCORDING TO THE BEST INFORMATION AVAILABLE. THE DEVELOPER, AS REQUIRED BY GEORGIA LAW 25-9-1, SHALL CALL THE UTILITIES PROTECTION CENTER (UPC) (404-325-5000 OR 1-800-282-7411) AND THOSE UTILITIES, AGENCIES OR DEPARTMENTS THAT OWN AND/OR OPERATE UTILITIES IN THE VICINITY OF THE CONSTRUCTION WORK SITE TO VERIFY THE LOCATION OF THE EXISTING UTILITIES.

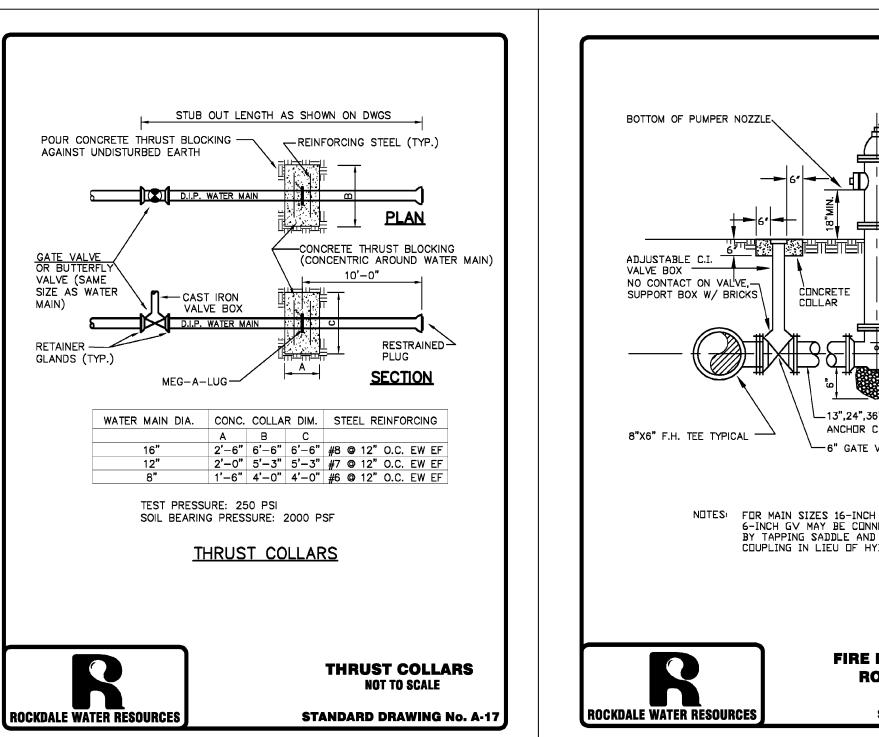
ANY ROCKDALE COUNTY INFRASTRUCTURE OR PROPERTY DAMAGED DURING, OR AS A RESULT OF, CONSTRUCTION OF THIS PROJECT WILL BE REPAIRED OR REPLACED TO THE SATISFACTION OF ROCKDALE

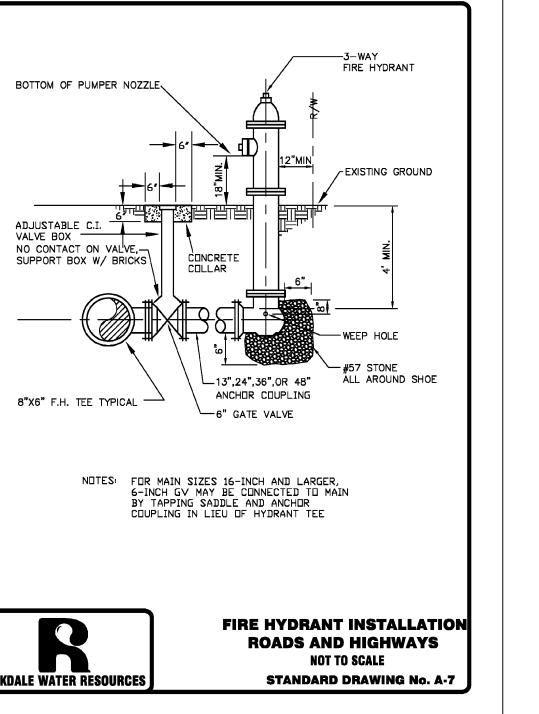
[THIS INCLUDES, FOR EXAMPLE (BUT IS NOT LIMITED TO) PAVING, CURB, CURB/GUTTER, SHOULDERS, DITCHES, STORM DRAINAGE PIPES OR STRUCTURES; SIGNS, WATER DISTRIBUTION LINES OR APPURTENANCES, WATER TREATMENT FACILITIES, FIRE HYDRANTS, VALVES, METERS; WASTEWATER SANITARY SEWER), COLLECTION LINES OR APPURTENANCES, MANHOLES OR OTHER STRUCTURES, FORCE MAINS, PUMP STATIONS OR APPURTENANCES; LANDSCAPING OR PLANT MATERIALS, INCLUDING MULCH, GRASSING, SHRUBBERY, TREES; STRUCTURES OF ANY NATURE, INCLUDING FENCING.]

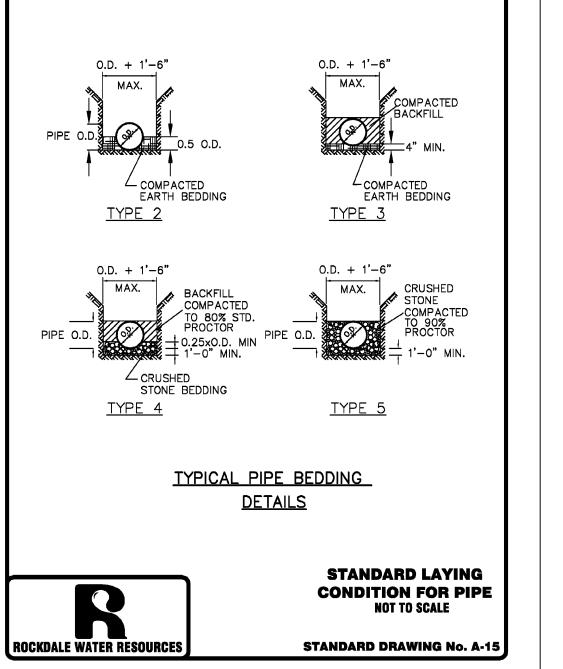
ALL CONSTRUCTION TO COMPLY WITH ROCKDALE COUNTY STANDARDS.

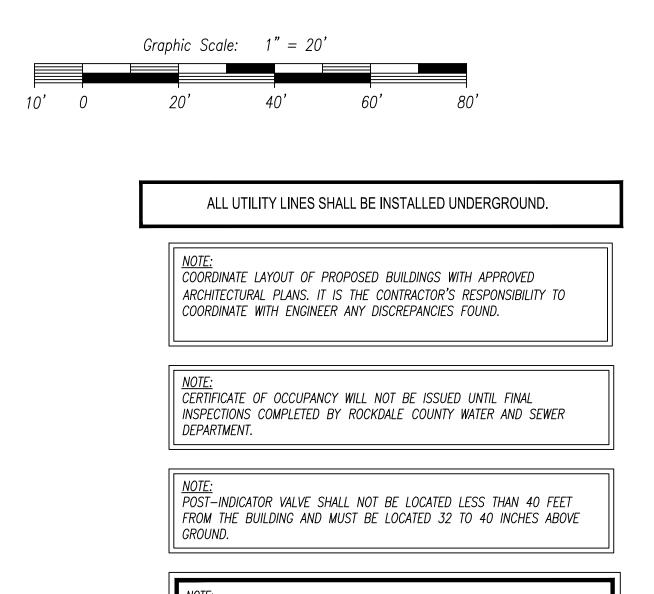
NOTIFY DEVELOPMENT INSPECTIONS 24 HOURS BEFORE BEGINNING OF EVERY PHASE OF CONSTRUCTION. (770) 278-7529











NOTIFY ROCKDALE COUNTY INSPECTOR 24 HOURS BEFORE THE BEGINNING PHASE

OF CONSTRUCTION.

WAKEFIELD BEASLEY & ASSOCIATES

Development Planning

& Engineering, Inc.

civil · sanitary · transportation

5074 BRISTOL INDUSTRIAL WAY

SUITE A

BUFORD, GEORGIA 30518

(770) 271-2868

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ATLANTA • JACKSONVILLE • PANAMA
ABU DHABI • DUBAI • SHANGHAI



JOHNSON PARK GYMNASIUM

1781 EBENEZER ROAD CONYERS, GA 30094

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Print Record

2017 -06-08 100% CONSTRUCTION DOCUMENTS

2017 -06-29 LDP SUBMITTAL TO COUNTY

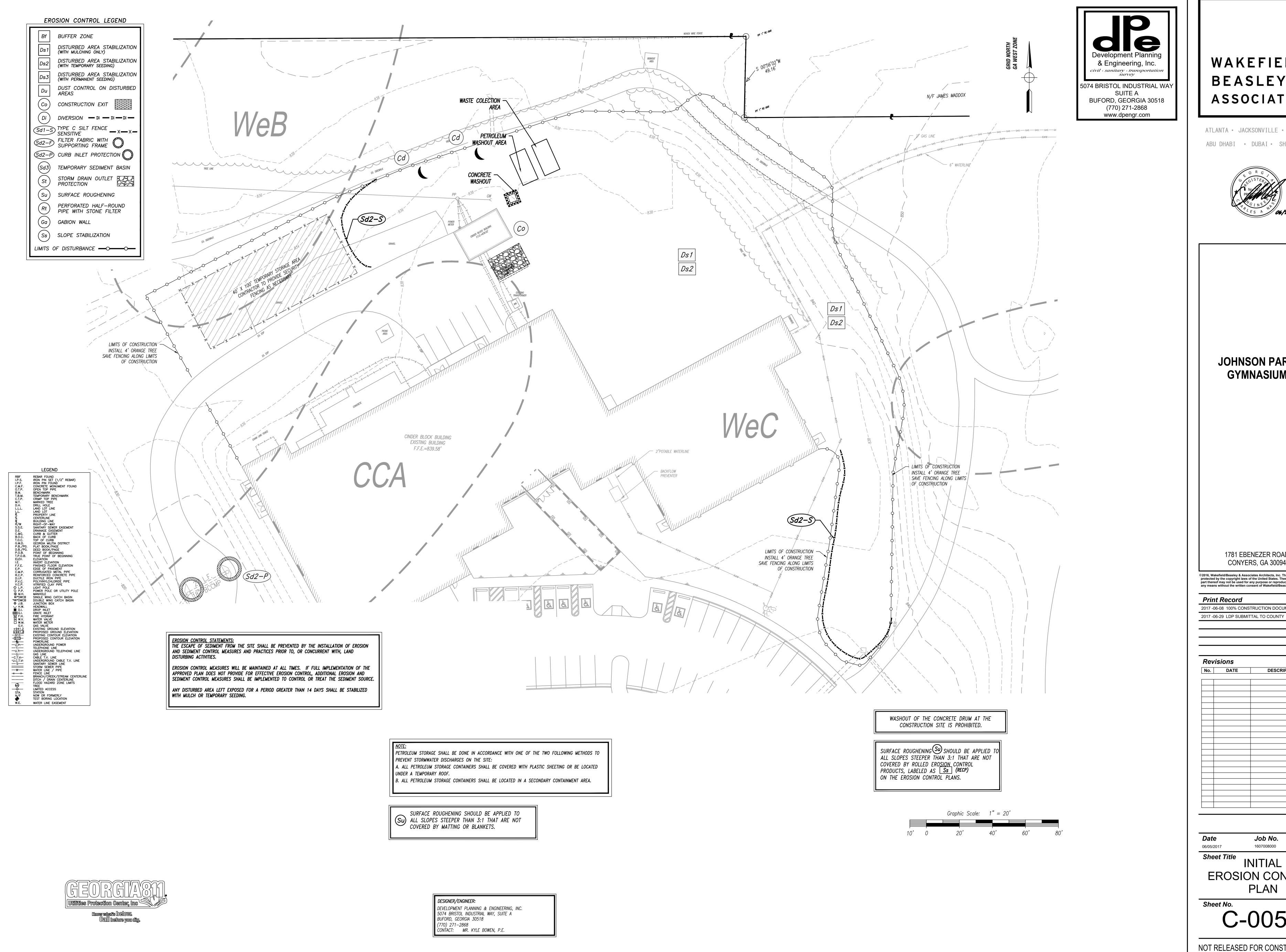
 Date
 Job No.

 06/05/2017
 1607008000

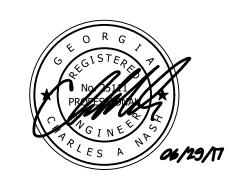
 Sheet Title

UTILITY PLAN

C-004



ATLANTA · JACKSONVILLE · PANAMA ABU DHABI • DUBAI • SHANGHAI



JOHNSON PARK GYMNASIUM

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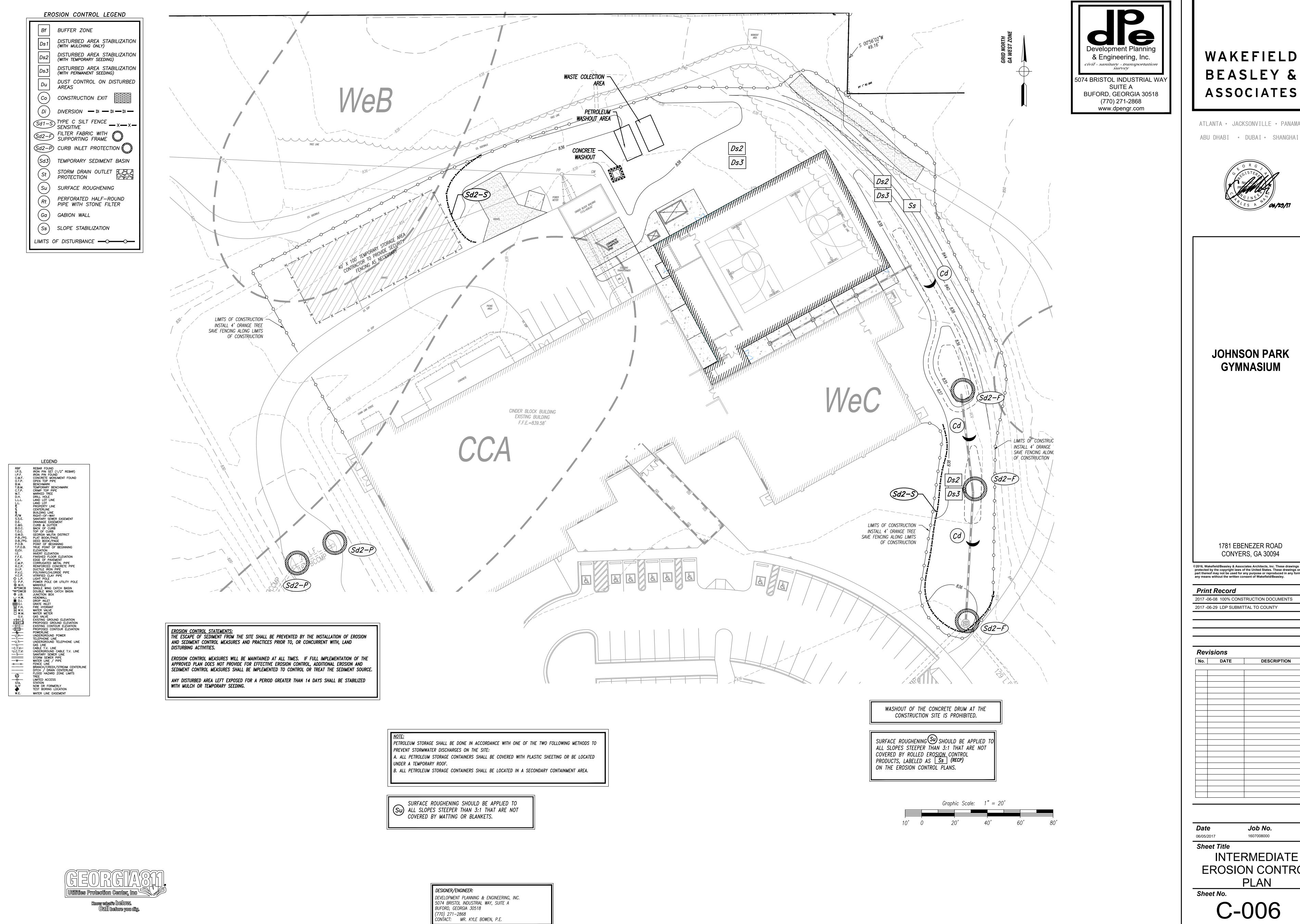
Print Record 2017 -06-08 100% CONSTRUCTION DOCUMENTS

Revisions No. DATE DESCRIPTION

Job No.

Sheet Title INITIAL **EROSION CONTROL**

PLAN Sheet No.



ATLANTA · JACKSONVILLE · PANAMA



JOHNSON PARK GYMNASIUM

1781 EBENEZER ROAD CONYERS, GA 30094

DESCRIPTION

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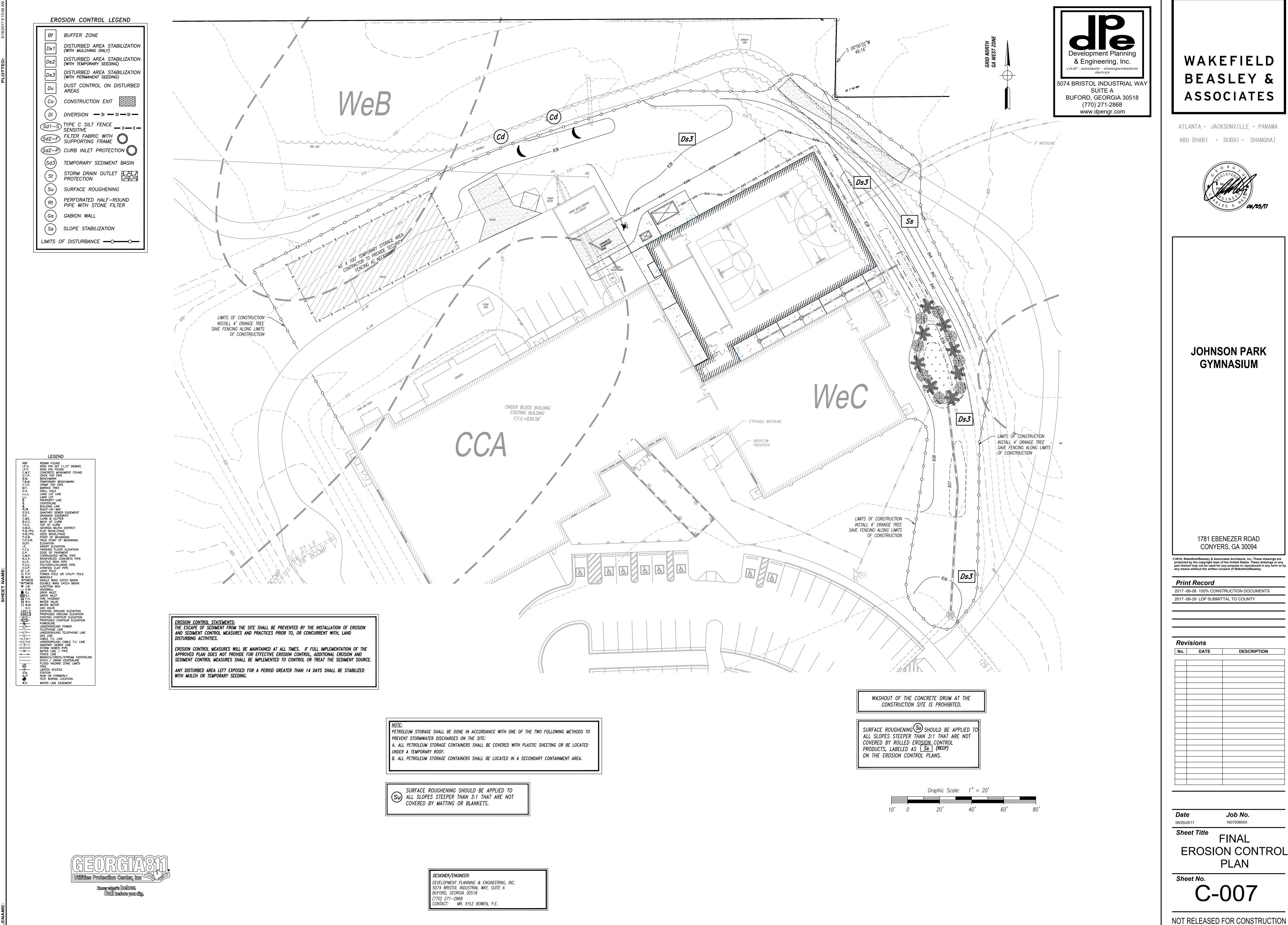
Revisions

Job No. 1607008000

Sheet Title

INTERMEDIATE **EROSION CONTROL** PLAN

Sheet No.



ATLANTA · JACKSONVILLE · PANAMA ABU DHABI • DUBAI • SHANGHAI



JOHNSON PARK GYMNASIUM

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2017 -06-08 100% CONSTRUCTION DOCUMENTS

DESCRIPTION

Job No.

FINAL

PLAN

SEDIMENT STORAGE PROVIDED PROVIDED BY SILT FENCES: LENGTH OF SILT FENCE MINIMUM HEIGHT OF FENCE (H) = 2.5 L.F. MAXIMUM DEPTH OF SEDIMENT STORAGE = 1.25 L.F. STORAGE

(1/2 H) VOLUME PROVIDED PER L.F. OF

SEDIMENT STORAGE VOLUME

FENCE

PROVIDED

 $= 1.5 \text{ C.F./L.F.} \times 360 \text{ L.F.} = 20.0 \text{ C.Y.}$

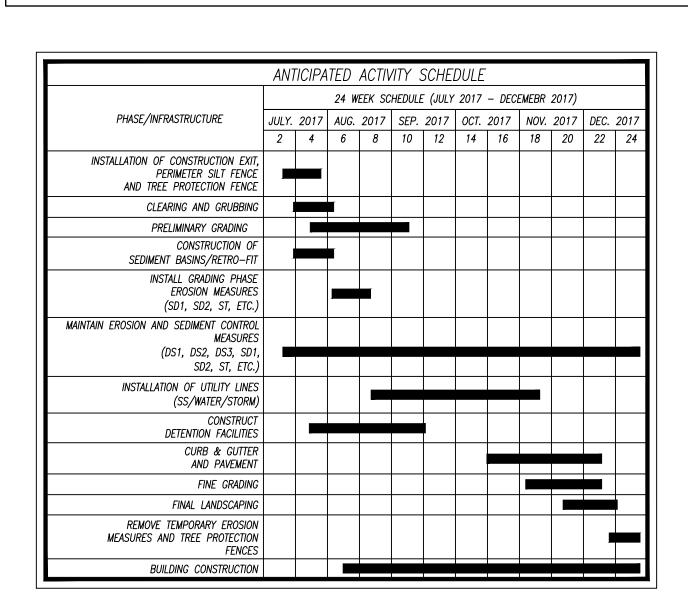
= 1.5 C.F./L.F. STORAGE

SEDIMENT STORAGE PROVIDED PROVIDED BY CHECK DAMS NUMBER OF CHECK DAMS = 4SEDIMENT STORAGE PROVIDED AT EACH CHECK DAM = 3.1 C.Y. SEDIMENT STORAGE VOLUME PROVIDED = 12.4 C.Y. (INTERMEDIATE PHASE)

SEDIMENT STORAGE PROVIDED PROVIDED BY INLET SEDIMENT TRAPS STORAGE PROVIDED (INTERMEDIATE

= 31.3 C.Y.AND FINAL PHASE)

TOTAL SEDIMENT STORAGE PROVIDED = 20.0 C.Y. + 12.4 C.Y. + 31.3 = 63.5 C.Y.



EROSION, SEDIMENT, AND POLLUTION CONTROL GENERAL NOTES

PROJECT NARRATIVE:

PROJECT NAME: JOHNSON PARK GYM ADDITION SITE ADDRESS/LOCATION: 1781 EBENEZER ROAD SW

CONYERS, GEORGIA 30094 ROCKDALE PARKS AND RECREATION. PO BOX 224

CONYERS, GEORGIA 30012 MR. ANDREW HAMMER 24-HOUR CONTACT NAME: (770) 278-7268 PROPOSED LAND USE: PUBLIC PARK GYM ADDITION

TOTAL PROJECT AREA: TOTAL DISTURBED AREA: ± 0.90 AC. (TOTAL)

TOTAL BUFFERED AREA: ± 0.00AC. EARTHWORK: NEAT CUT= ±118 C.Y. / NEAT FILL= ±102 C.Y.

PRE-DEVELOPED ESTIMATED RUNOFF COEFFICIENT CN = 55 POST-DEVELOPED ESTIMATED RUNOFF COEFFICIENT CN = 79

CONSTRUCTION ENTRANCE LOCATION: LATITUDE: 34°-08'-09" N LONGITUDE: 84*-00'-17" W

\$40 PER DISTURBED AC. * 0.90 AC. = \$40.00 NPDES FEE CALCULATION: EPD:

\$40 PER DISTURBED AC. * 0.90 AC. = \$40.00

PROJECT RECEIVING WATERS: UNNAMED TRIBUTARY TO HONEY CREEK

ALL POST-DEVELOPED STORM WATER FOR THE PROJECT EVENTUALLY DRAINS TO HONEY CREEK. THE RECEIVING WATERS IS A WARM WATER STREAM AND IS NOT LISTED ON THE 2012 IMPAIRED STREAM INVENTORY.

<u>DESCRIPTION OF PROPOSED CONSTRUCTION ACTIVITY:</u> THE PROJECT SHALL CONSIST OF THE CLEARING, GRUBBING, GRADING, BUILDING CONSTRUCTION, DRAINAGE AND UTILITY INSTALLATION FOR A PROPOSED ACCESSORY GYM ADDITION. EXISTING SITE CONDITIONS: THE SUBJECT PROPERTY IS BOUND TO THE EAST BY EBENEZER ROAD, TO THE NORTH / SOUTH AND WEST BY RURAL RESIDENTIAL PROPERTIES. THE SITE CURRENTLY CONSISTS OF EXISTING COMMUNITY CENTER, RECREATION FIELDS AND PARKING AREA. THE EXISTING FACILITY IS CURRENTLY SERVED BY DETENTION FACILITY LOCATED SOUTH WEST OF THE PROPOSED ADDITION.

THE SOIL EROSION AND SEDIMENT CONTROL PROCEDURES AND DETAILS AS SHOWN HEREON AND STIPULATED IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" SHALL BE FOLLOWED AND INSTALLED IN A MANNER SO AS TO MINIMIZE

- THE CONTRACTOR WILL BE REQUIRED TO INCORPORATE ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES INTO THE PROJECT AT THE EARLIEST PRACTICAL TIME DURING CONSTRUCTION. THE EROSION CONTROL MEASURES DETAILED HEREON SHALL BE CONTINUED UNTIL THE PERMANENT DRAINAGE FACILITIES HAVE BEEN CONSTRUCTED AND UNTIL ALL DISTURBED AREAS HAVE BEEN RE-STABILIZED SO AS TO ESTABLISH AN EFFECTIVE EROSION DETERRENT. ALL COLLECTED SEDIMENT REMOVED FROM IMPOUNDMENT AREAS SHALL BE EVENLY DISTRIBUTED AND PERMANENTLY STABILIZED.
- TEMPORARY AND PERMANENT VEGETATIVE COVER SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER VI,
- SECTION III OF THE MANUAL DESCRIBED IN NOTE NO. 1 ABOVE. EROSION CHECKS SHALL BE CONSTRUCTED AT THE LOCATION AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS, AND SHALL BE CONSTRUCTED BEFORE ANY GRADING IS ACCOMPLISHED WHENEVER POSSIBLE AND AS SOON AS PRACTICAL OTHERWISE. ALL GRADED AREAS, SLOPES, ETC. WHICH DRAIN TOWARD THE EROSION CHECK SHALL BE GRASSED OR STABILIZED WITH STRAW MULCH IMMEDIATELY AFTER GRADING. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE INTEGRITY AND EFFECTIVENESS OF ALL EROSION CHECKS UNTIL ALL DISTURBED AREAS ARE RE-STABILIZED. THE EXTENT AND LOCATION OF EROSION CHECKS INDICATED ON THE PLANS IS THE ESTIMATED NUMBER REQUIRED. ADDITIONAL EROSION CHECKS MAY BE NECESSARY DEPENDING ON ACTUAL FIELD CONDITIONS AND SHALL BE INSTALLED WHEN DIRECTED BY THE GOVERNING AUTHORITY. WHEN THE PERMANENT DRAINAGE STRUCTURES HAVE BEEN INSTALLED AND ALL DISTURBED AREAS HAVE BEEN RE-STABILIZED ADEQUATELY TO BE AN EFFECTIVE EROSION DETERRENT, EROSION CHECKS SHALL BE REMOVED AND ALL BARE SPOTS SHALL BE PERMANENTLY STABILIZED.
- ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED DAILY AND ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED
- NECESSARY AFTER ON-SITE INSPECTION BY THE OWNER OR HIS REPRESENTATIVE. 6. ALL CUT AND FILL SLOPES SHALL BE SURFACED ROUGHENED AND VEGETATED WITHIN (7) DAYS AFTER GRADING IS COMPLETED.
- 7. ALL FILL SLOPES WILL HAVE SILT FENCE AT THE TOE OF SLOPES.
- NO CONSTRUCTION SHALL BE CONDUCTED WITHIN A 50 FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS, AS MEASURED
- HORIZONTALLY FROM THE POINT WHERE VEGETATION IS WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION. 9. THIS SITE CONTAINS WETLAND AREAS WITHIN THE PROJECT BOUNDARY, BUT OUTSIDE THE LIMITS OF DISTURBANCE.
- 10. THE EXTENT AND LOCATION OF EROSION CONTROL MEASURES SHOWN ARE THE ESTIMATED REQUIRED. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DUE TO ACTUAL FIELD CONDITIONS, AND WILL BE INSTALLED AT CONTRACTOR'S EXPENSE
- WHEN DIRECTED BY THE OWNER OR HIS REPRESENTATIVE. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES WHETHER TEMPORARY OR
- PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE CONTRACTOR. 12. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND
- PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES. 13. A PORTION OF THE SUBJECT PROPERTY LIES WITHIN A 100-YEAR FLOOD PLAIN AS DESIGNATED ON F.I.R.M. FLOOD PANEL NO.
- 13135C0015G, DATED MARCH 4, 2013 GWINNETT COUNTY, GEORGIA. 14. THERE IS NOT A LAKE LOCATED WITHIN 500' OF THIS SITE.
- 15. THERE ARE STATE WATERS WITHIN 200' OF THIS SITE. (EASTERN RIGHT OF WAY ALONG OF SOUTH GARNETT STREET.)
- 16. A 50-FOOT UNDISTURBED BUFFER AND A 75-FOOT IMPERVIOUS SETBACK IS TO BE MAINTAINED ADJACENT TO ALL STREAMS. 17. DETENTION POND, DETENTION OUTLET STRUCTURES AND TEMPORARY SEDIMENT POND FEATURES ARE TO BE CONSTRUCTED AND
- FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING. 18. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR MULCH IF LAND-DISTURBING ACTIVITIES CEASE FOR
- MORE THAN 14 CALENDAR DAYS 19. CONCENTRATED FLOW AREAS AND ALL SLOPES STEEPER THAN 2.5:1 WITH A HEIGHT OF TEN FEET OR GREATER SHALL BE
- STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET. 20. THE PROFESSIONAL WHO SEALS THIS PLAN CERTIFIES UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE
- VISIT TO THE LOCATIONS DESCRIBED HEREIN BY THE PROFESSIONAL OR THE PROFESSIONAL'S AUTHORIZED AGENT, UNDER THE PROFESSIONAL'S DIRECT SUPERVISION. 21. UPON NOTIFICATION AND AUTHORIZATION OF THE OWNER, THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS
- RESPONSIBLE FOR INSPECTING THE INSTALLATION OF THE BMP'S WITHIN 7 DAYS AFTER INITIAL CONSTRUCTION ACTIVITIES BEGINS. 22. THE TOTAL WETLAND ACRES ON SITE ARE 0.00 AC.

CRITICAL AREA STATEMENT AND LOCATIONS:

- 1. THIS SITE CONTAINS CRITICAL AREAS AS IDENTIFIED ON THE EROSION AND SEDIMENT CONTROL PLAN.
- 2. ALL SLOPES OVER 3:1 SHALL HAVE EROSION CONTROL MATTING.
- DOUBLE ROWS OF TYPE "C" SILT FENCING WILL BE USED AT THE TOE OF ALL FILL SLOPES AS DESIGNATED ON THE EROSION AND SEDIMENT CONTROL PLAN.

4. THE SITE WILL BE STABILIZED USING MULCHING AND TEMPORARY AND PERMANENT GRASSING. TEMPORARY EROSION CONTROL

- MEASURES WILL REMAIN UNTIL FINAL STABILIZATION. 5. ALL SLOPES AND FILL AREAS GREATER THAN 6 FEET IN HEIGHT WILL HAVE MB MATTING AND BLANKETS
- 6. ALL DISCHARGE PIPING WILL HAVE RIP RAP OUTLET PROTECTION TO DISSIPATE EROSIVE VELOCITIES.
- 7. ALL DISTURBED AREAS TO RECEIVE DS1, DS2, AND DS3.
- CONCENTRATED FLOW AREAS AND ALL SLOPES STEEPER THAN 2.5:1 WITH A HEIGHT OF TEN FEET OR GREATER SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET.

NPDES GENERAL NOTES:

STABILIZATION MEASURES:

DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR MULCH IF LAND-DISTURBING ACTIVITIES CEASE FOR MORE THAN 14 CALENDAR DAYS. (SEE CONSTRUCTION DETAILS FOR DEVICES THAT MAY BE USED AND THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION).

IF THE 14TH DAY IS PRECLUDED BY ADVERSE WEATHER CONDITIONS, WHICH LIMITS SITE ACCESS OR EQUIPMENT MOBILITY, STABILIZATION SHALL OCCUR AS SOON AS PRACTICAL.

IF CONSTRUCTION ACTIVITIES ARE TO RESUME IN A SITE-SPECIFIC AREA IN LESS THAN 21 DAYS, AFTER DATE OF TEMPORARY CEASE OF WORK, THEN THE 14-DAY LIMIT IS WAIVED, IMMEDIATE STABILIZATION SHALL OCCUR UPON THE 21ST DAY IF NO MAJOR WORK IS OCCURRING IN THE DEFINED AREA.

PRESERVATION OF NATURAL VEGETATION SHALL OCCUR THROUGHOUT THE SITE WHERE PRACTICAL. SEE LOCATIONS OF BUFFER ZONES AND TREE SAVE AREAS AS IDENTIFIED ON THE CONSTRUCTION PLANS FOR THIS PROJECT. DATES SHALL BE RECORDED WHEN MAJOR GRADING OCCURS, WHEN ACTIVITIES CEASE TEMPORARILY OR PERMANENTLY, AND WHEN STABILIZATION MEASURES ARE INITIALIZED.

STRUCTURAL PRACTICES: THE STRUCTURAL PRACTICES USED FOR THIS PROJECT INCLUDE A DETAILED EROSION, SEDIMENT AND POLLUTION CONTROL PLAN THAT INCORPORATES THE USE OF TEMPORARY SEDIMENT BASINS, SILT FENCING, CONSTRUCTION EXIT, OUTLET PROTECTION, MATTING BLANKETS,

AND TEMPORARY AND PERMANENT VEGETATION. STRUCTURAL PRACTICES USED FOR THIS PROJECT THAT WILL CONTROL POLLUTANTS IN STORM WATER THAT WILL OCCUR AFTER

CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED INCLUDE RIP RAP OUTLET PROTECTION, MATTING BLANKETS, AND PERMANENT STRUCTURAL PRACTICES USED TO MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST INCLUDE THE USE OF CONSTRUCTION EXITS AND DUST CONTROL ON DISTURBED AREAS (SEE SHEETS 16 TO 19 FOR DETAILS).

SEDIMENT BASINS: ONE TEMPORARY SEDIMENT BASIN WILL BE UTILIZED FOR THIS PROJECT AS SHOWN ON THE EROSION CONTROL PLANS.

MAINTENANCE OF VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES:

ALL STRUCTURAL BMP'S SHALL BE MAINTAINED IN ACCORDANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". ALL SEDIMENT CONTROL DEVICES (EXCEPT SEDIMENT BASINS) INSTALLED SHALL AS A MINIMUM. BE CLEANED OF SEDIMENT WHEN ONE-HALF THE CAPACITY, BY HEIGHT, DEPTH, OR VOLUME HAS BEEN REACHED. SEDIMENT BASINS SHALL BE CLEANED OF SEDIMENT WHEN ONE—THIRD THE CAPACITY BY VOLUME HAS BEEN REACHED.

AS A MINIMUM THE CONTRACTOR SHALL COMPLETE THE PERMANENT GRASSING, OR TEMPORARY GRASSING, OR MULCHING, AS APPROPRIATE AND IN ACCORDANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". ON ALL CUT AND FILL SLOPES ON A WEEKLY BASIS DURING GRADING OPERATIONS, EXCEPT PROJECTS WITH A TOTAL OF 3 ACRES OR LESS OF GRASSING MAY BE TREATED EVERY TWO WEEKS. WHEN CONDITIONS WARRANT, THE ENGINEER MAY REQUIRE MORE FREQUENT INTERVALS FOR THIS WORK. AT A MINIMUM, MULCH SHALL BE PLACED TO PROVIDE TEMPORARY COVER UNTIL VEGETATION CAN BE ESTABLISHED.

VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL FOR THE PURPOSE OF PROVIDING A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATERCOURSE. OPERATORS. AS DEFINED IN THE NPDES PERMIT REGULATIONS, ARE RESPONSIBLE FOR THE PROPER INSTALLATION AND TIMELY MAINTENANCE OF STORM WATER MANAGEMENT MEASURES TO KEEP THEM IN GOOD AND EFFECTIVE OPERATING CONDITION UP TO FINAL STABILIZATION AND APPROVAL BY THE LOCAL

BMP INSPECTIONS: UPON NOTIFICATION OF THE OWNER, THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS RESPONSIBLE FOR INSPECTING THE INSTALLATION OF THE BMP'S WITHIN 7 DAYS AFTER INITIAL CONSTRUCTION. A CERTIFICATION LETTER STATING THE RESULTS OF THE INSPECTION SHALL BE PROVIDED AND KEPT ON—SITE.

THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN, EXCEPT WHEN THE PRIMARY PERMITTEE HAS REQUESTED IN WRITING AND EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL, TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMPs HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS

ANY AMENDMENT TO THE EROSION, SEDIMENT, AND POLLUTION CONTROL PLANS WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL. REVISIONS OR AMENDMENTS SHOULD BE SUBMITTED TO THE LOCAL ISSUING AUTHORITY FOR REVIEW. AN UPDATED COPY OF THE ES&PC PLAN SHALL BE KEPT ON-SITE.

CONTROLS

NO WASTE WILL BE DISPOSED OF INTO STORM WATER INLETS OR WATERS OF THE STATE.

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ONSITE.

ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSED AT THE JOB SITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED. STORAGE LOCATION AND DISPOSAL PROCEDURES FOR CONCRETE TRUCK OR MIXER WASH OUT:

CONCRETE TRUCK WASH OUT LOCATION SHALL BE IN A TEMPORARY TRUCK WASH OUT AREA LOCATED ON THE CREST OF THE ACCESS ROAD. WASH OUT SHALL BE CONTAINED WITHIN A PIT OR TRENCH WITH NO MATERIAL LEAVING THE SITE OR IMPACTING VEGETATED AREAS. DISPOSAL OF MATERIAL SHALL BE ACCOMPLISHED BY EITHER BREAKING THE MATERIAL INTO ACCEPTABLE PIECES AND PLACING IT WITHIN UNCLASSIFIED FILL AREAS AS DIRECTED BY THE ONSITE GEOTECHNICAL ENGINEER, OR IT SHALL BE DISPOSED OF OFF-SITE IN A STATE APPROVED LANDFILL.

THE PROFESSIONAL WHO SEALS THIS PLAN CERTIFIES UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY THE PROFESSIONAL OR THE PROFESSIONAL'S AUTHORIZED AGENT, UNDER THE PROFESSIONAL'S DIRECT SUPERVISION.

EROSION CONTROL STATEMENTS:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

NPDES GENERAL NOTES (CONTINUED):

SPILL CLEANUP AND CONTROL PRACTICES:

PAINT/CHEMICAL STORAGE, CLEANUP AND DISPOSAL:

IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

- LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL
- MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES BUT IS NOT LIMITED TO BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
- SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT
- FUTURE SPILLS. • ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE
- AND FEDERAL REGULATIONS.
- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802. • FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24

• FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL

BE CONTACTED AS REQUIRED. THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1,320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY OF 660 GALLONS.

THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED

EMERGENCY PROCEDURES FOR SPILL OF REPORTABLE QUANTITY OF PETROLEUM PRODUCTS:

ALL PETROLEUM PRODUCTS SHALL BE STORED AND USED IN AN AREA THAT PROVIDES A SECONDARY CONTAINMENT FEATURE. SECONDARY CONTAINMENT STRUCTURE SHALL CONSIST OF FLOOR, WALLS, AND JOINTS AND BE CONSTRUCTED OF A MATERIAL CAPABLE OF ADEQUATELY CONTAINING THOSE FUELS STORED WITHIN. CAPACITY OF THE SECONDARY CONTAINMENT SHALL HAVE A STORAGE VOLUME THAT IS A MINIMUM OF 110% OF THE TOTAL VOLUME CAPACITY OF THE LARGEST PRIMARY CONTAINER STORED WITHIN. RAIN WATER SHALL NOT BE ALLOWED TO COLLECT WITHIN THE SECONDARY CONTAINER AND ADEQUATE COVER SHALL BE PROVIDED TO PREVENT THE INGRESS OF RAIN WATER.

EMERGENCY PROCEDURES FOR SPILLS SHALL BE KEPT IN THE CONSTRUCTION TRAILER INCLUDING EMERGENCY CONTACT NUMBERS. ANY LEAKS OR SPILLS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTAIN, CONTROL, AND REMEDIATE WITH ALL LOCAL, STATE, AND FEDERAL GUIDELINES, ORDINANCES, AND LAWS.

THE CONTRACTOR SHALL LOCATE STORAGE FACILITIES IN AREAS WITH THE LEAST FORESEEABLE IMPACT IF A CATASTROPHIC EVENT SHOULD

PAINT AND/OR OTHER CHEMICALS SHALL BE STORED IN SECURED FACILITIES WITH RESTRICTED ACCESS TO EMPLOYEES ONLY. CLEANUP AND DISPÓSAL OF THIS MATERIAL SHALL BE ACCORDANCE WITH ALL RECOGNIZED LOCAL AND FEDERAL REQUIREMENTS. ALL DISPOSAL

SHALL BE TO APPROVED OFF-SITE WASTE FACILITIES THAT ACCEPT THIS MATERIAL.

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND / OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS's) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE MUCH PRODUCT IS STORED AND / OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ES&PC FILE OF THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL

BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE / SHE

THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ES&PC AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORM WATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORM WATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORM. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP's MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED ISTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGE OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

SOILS SERIES (WITH DESCRIPTION)

VIDOL					
MhC	2 Madison	gravelly sandy	loam, 6	to	10 percent slopes, eroded
MhB	2 Madison	gravelly sandy	loam, 2	to	6 percent slopes, eroded
MiC2	Madison	sandy clay loc	am, 6 to	10	percent slopes, eroded

Madison sandy clay loam, 10 to 15 percent slopes, eroded

Madison sandy cloay loam, 15 to 45 percent slopes, eroded



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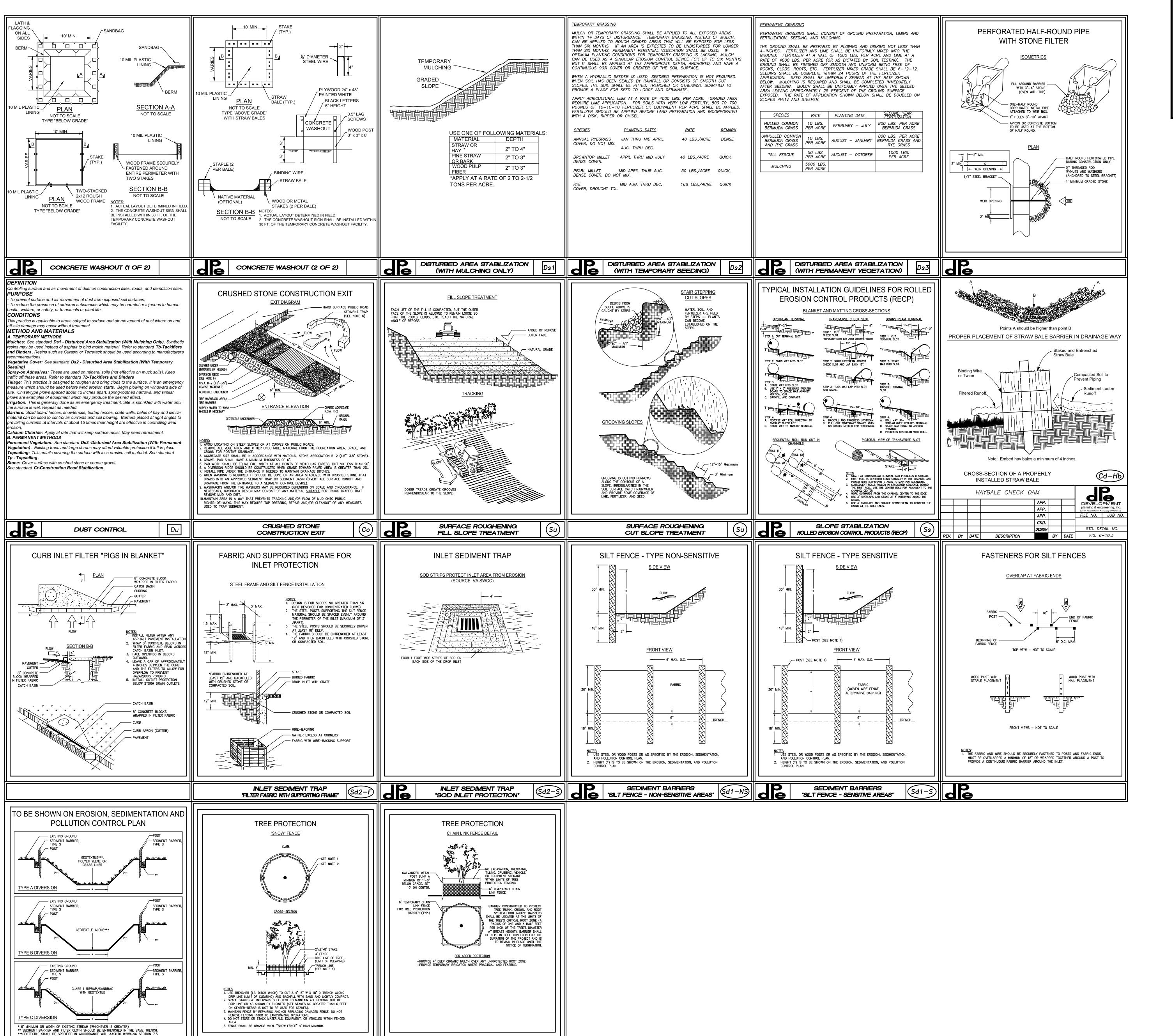
EROSION CONTROL NOTES

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Know what's DOIOW. Call before you dig



TREE PROTECTION (2 of 2)

TREE PROTECTION (1 of 2)



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JOHNSON PARK GYMNASIUM

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DESCRIPTION

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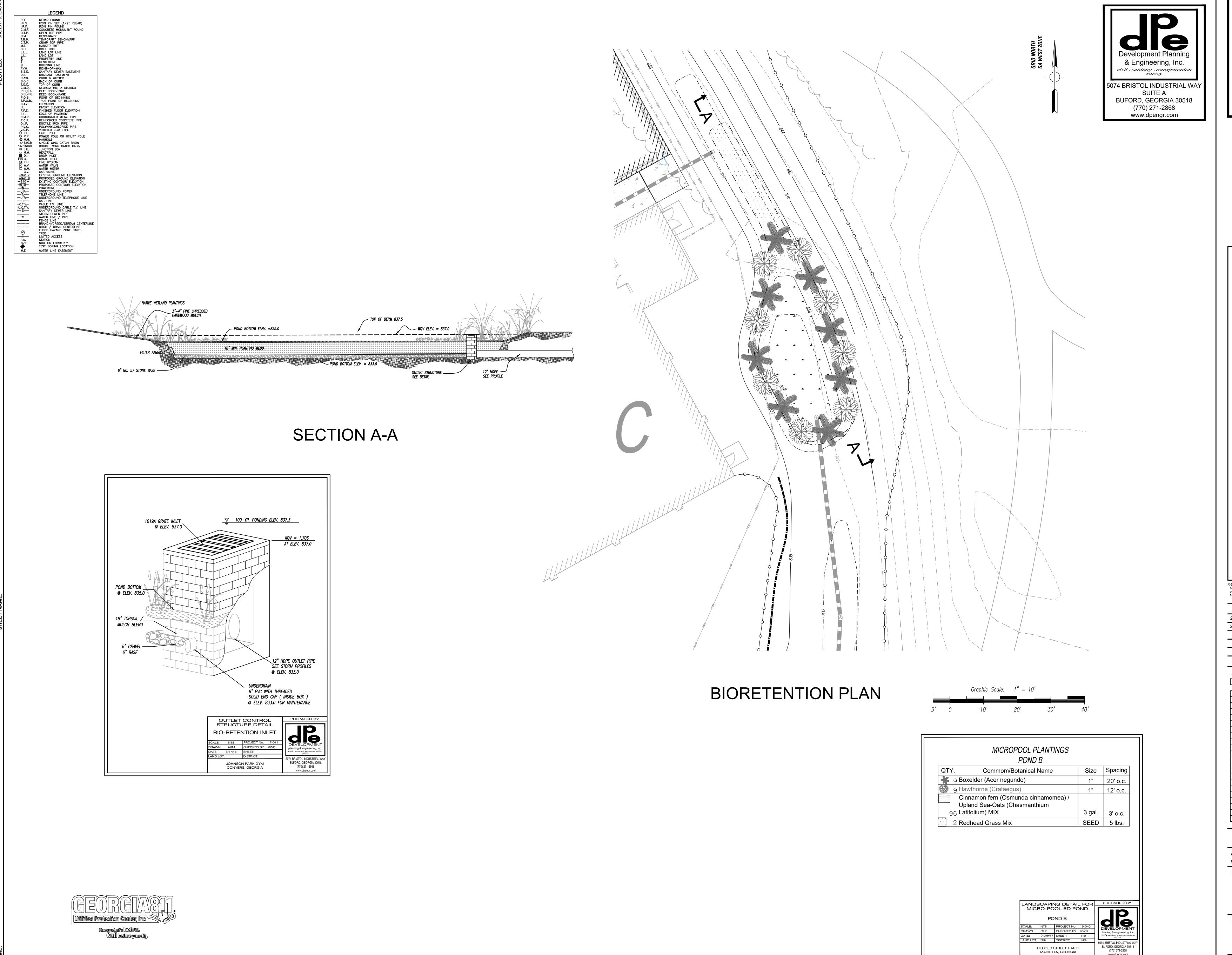
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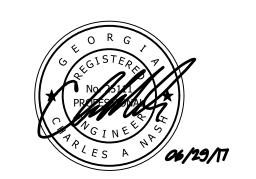
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EROSION CONTROL DETAILS

Sheet No.



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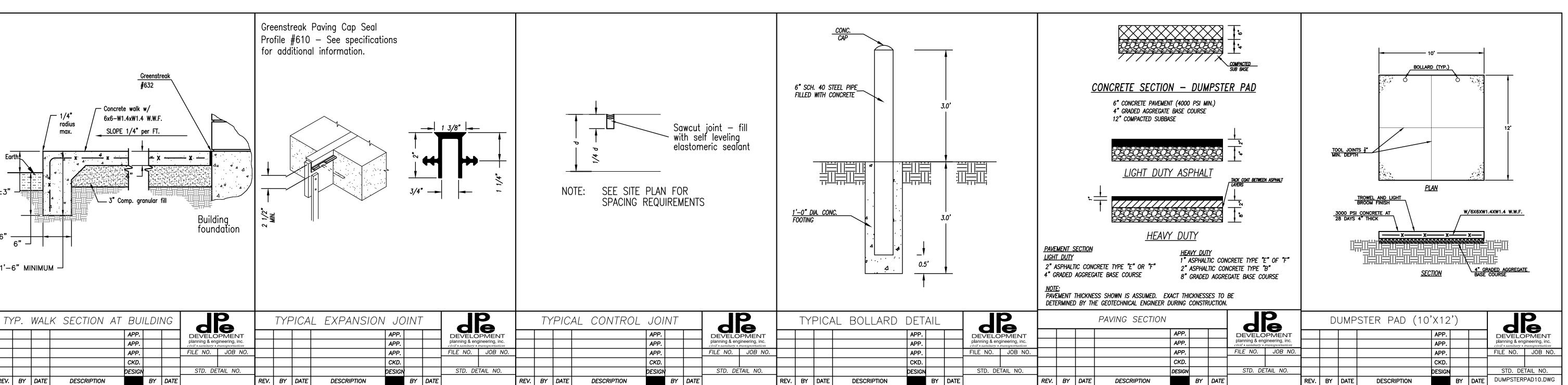
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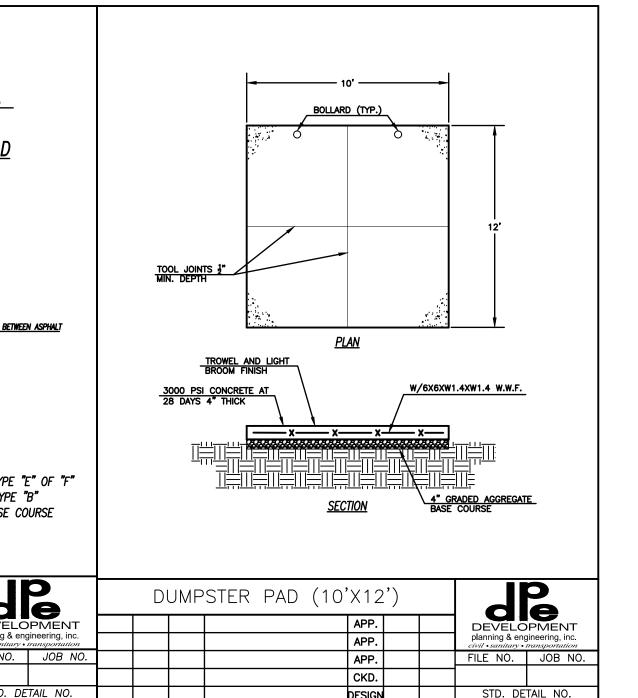
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POND DETIALS

Sheet No.

C-010





HP STORM TRENCH INSTALLATION DETAIL

MIN TRENCH WIDTH

(SEE TABLE)

ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION,

WITH THE EXCEPTION THAT THE INITIAL BACKFILL MAY EXTEND TO THE CROWN OF THE PIPE. SOIL CLASSIFICATIONS

. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.

ARE PER THE LATEST VERSION OF ASTM D2321. CLASS IVB MATERIALS (MH, CH) AS DEFINED IN PREVIOUS VERSIONS OF

FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND

. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II, III, OR IV. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR

MATERIAL SPECIFICATION TO ENGINEER. COMPACTION SHALL BE SPECIFIED BY THE ENGINEER IN ACCORDANCE WITH

TABLE 3 FOR THE APPLICABLE FILL HEIGHTS LISTED. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING

MATERIAL HAS LIMITED APPLICATION AND CAN BE DIFFICULT TO PLACE AND COMPACT; USE ONLY WITH THE APPROVAL OF

INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II, III, OR IV IN THE PIPE ZONE EXTENDING TO THE CROWN OF THE

PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL

BE INSTALLED AS REQUIRED IN ASTM D2321 LATEST EDITION. COMPACTION SHALL BE SPECIFIED BY THE ENGINEER IN

ACCORDANCE WITH TABLE 3 FOR THE APPLICABLE FILL HEIGHTS LISTED. PLEASE NOTE, CLASS IV MATERIAL HAS LIMITED APPLICATION AND CAN BE DIFFICULT TO PLACE AND COMPACT; USE ONLY WITH THE APPROVAL OF A SOIL EXPERT.

5. <u>MINIMUM COVER</u>: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" (300mm) FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS; CLASS I OR II MATERIAL COMPACTED TO 90% SPD AND CLASS III COMPACTED TO 95% SPD IS REQUIRED.

FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" (300mm) UP TO 48" (1200mm) DIAMETER PIPE AND 24" (600mm) OF

COVER FOR 60" (1500mm) DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT

INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE

LICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS

THICKNESS SHALL BE 4" (100mm) FOR 12"-24" (300mm-600mm) DIAMETER PIPE; 6" (150mm) FOR 30"-60" (750mm-1500mm)

DIAMETER PIPE. THE MIDDLE 1/3 BENEATH THE PIPE INVERT SHALL BE LOOSELY PLACED. PLEASE NOTE. CLASS IV

AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.

MIN. COVER TO

FLEXIBLE PAVEMENT, H

BACKFILL

MIN. COVER TO

SPRINGLINE ----

RIGID PAVEMENT, H

4" FOR 12"-24" PIPE

6" FOR 30"-60" PIPE

ASTM D2321 ARE NOT APPROPRIATE BACKFILL MATERIALS.

OR TO TOP OF RIGID PAVEMENT.

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7. FOR ADDITIONAL INFORMATION SEE TECHNICAL NOTE 2.04.



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TABLE 1, RECOMMENDED MINIMUM TRENCH WIDTHS

TABLE 2. MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

H-25

VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER

PIPE DIA COMPACTED 95% 90% 85% 95% 90% 95%

(300mm) (12.5m) (8.5m) (6.4m) (4.9m) (6.1m) (4.9m) (4.9m)

(375mm) (12.8m) (8.8m (6.4m (4.9m (6.4m (4.9m) (4.9m)))) (4.9m) (4.9m))

(450mm) (13.4m) (9.1m) (6.4m) (4.9m) (6.7m) (5.2m) (4.9m)

(600 mm) (11.3 m) (7.9 m) (5.5 m) (4.3 m) (4.3 m) (4.3 m)

(750mm) (11.9m) (8.2m) (5.8m) (4.3m) (5.8m) (4.6m) (4.3m)

ILL HEIGHT TABLE GENERATED USING AASHTO SECTION 12, LOAD

ASSUMPTIONS:

DETAIL (HP STORM)

DRAWING NUMBER: STD-101D

NO HYDROSTATIC PRESSURE

UNAP WEIGHT OF SOIL (YS) = 120 PCF3m

6 REV. MAXIMUM COYER HEIGHTS RWD 01/11/17

REV. (1500m/PESCRIPTION (4Bym MM/PDP/YY) GHK'S

RESISTANCE FACTOR DESIGN (LRFD) PROCEDURE WITH THE FOOLOWING

TABLE 3, MAXIMUM COVER FOR ADS HP STORM PIPE, II

CLASS I CLASS II CLASS III CLASS III

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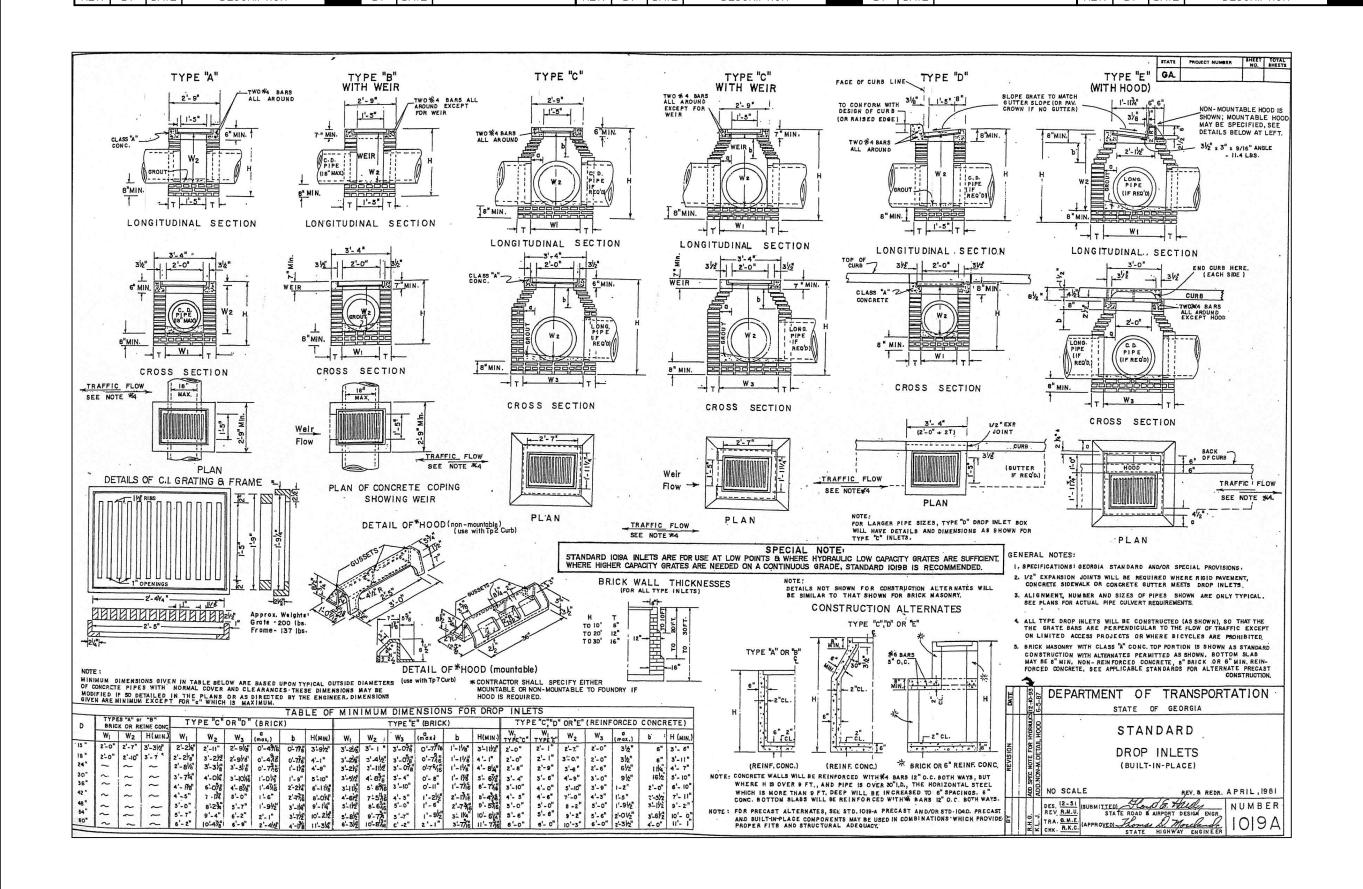
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Sheet Title CONSTRUCTION **DETAILS**

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NYLOPLAST 10" DRAIN BASIN: 2810AG _ _ X

OPTIONAL CONCRETE POUR RING

(FOR USE IN SIDEWALK/DECK APPLICATIONS)

(5) VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE:

4" - 10" FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL.

ADS/HANCOR SINGLE WALL), PVC SEWER (EX: SDR 35), PVC DWV

GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.

RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS.

CUSTOM DRAIN BASIN ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°.

TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-0

- STANDARD DRAIN BASIN HAS FIXED ADAPTER LOCATIONS OF 0° & 180°.

4 - FOR COMPLETE DESIGN DETAILS SEE DRAWING NO. 7001-110-045

- DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO

ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL) &

WITH THE EXCEPTION OF THE BRONZE GRATE.

SEE DRAWING NO. 7001-110-065

PVC SEWER (4" - 24").

(EX: SCH 40), PVC C900/C905, CORRUGATED & RIBBED PVC

WATERTIGHT JOINT

- CUSTOM DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH DRAWN BY EBC MATERIAL

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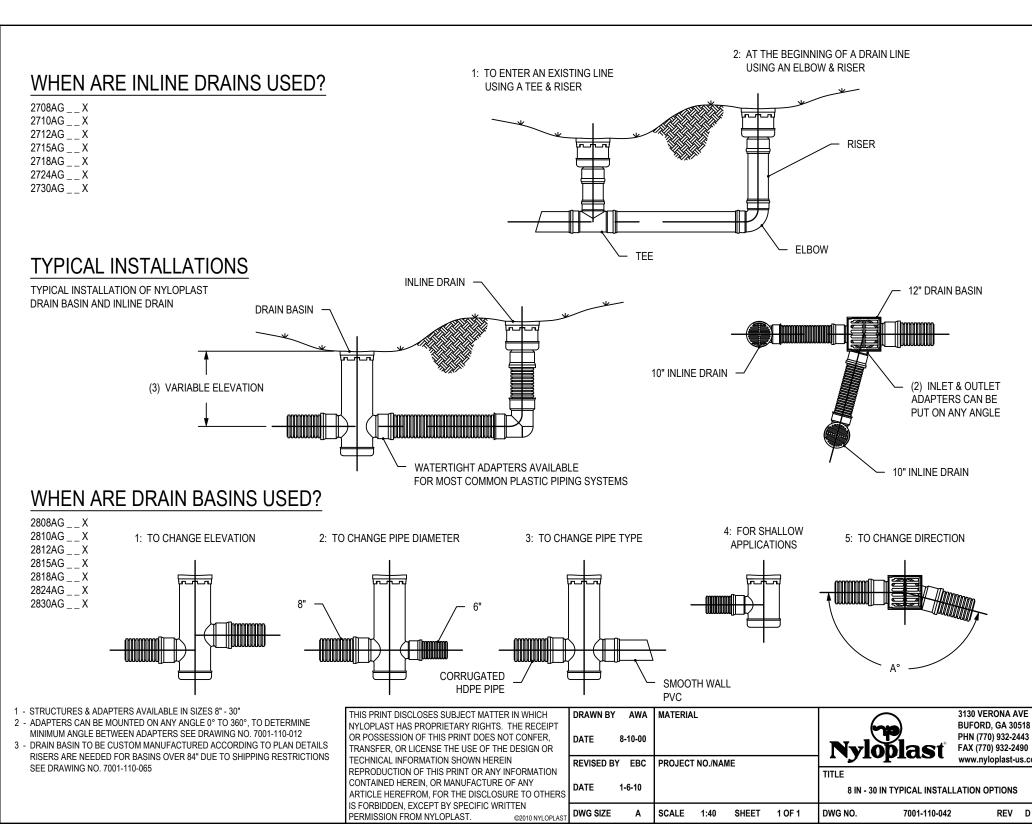
(CORRUGATED HDPE SHOWN)

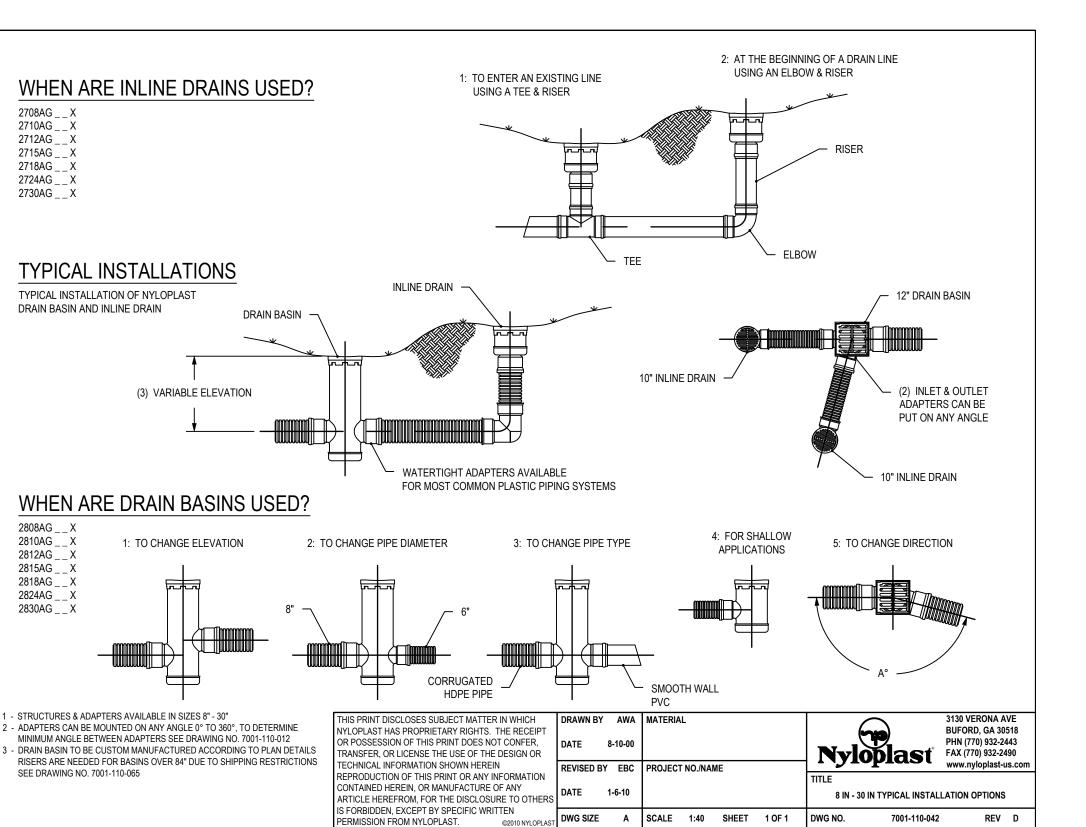
(1) DUCTILE IRON GRATE

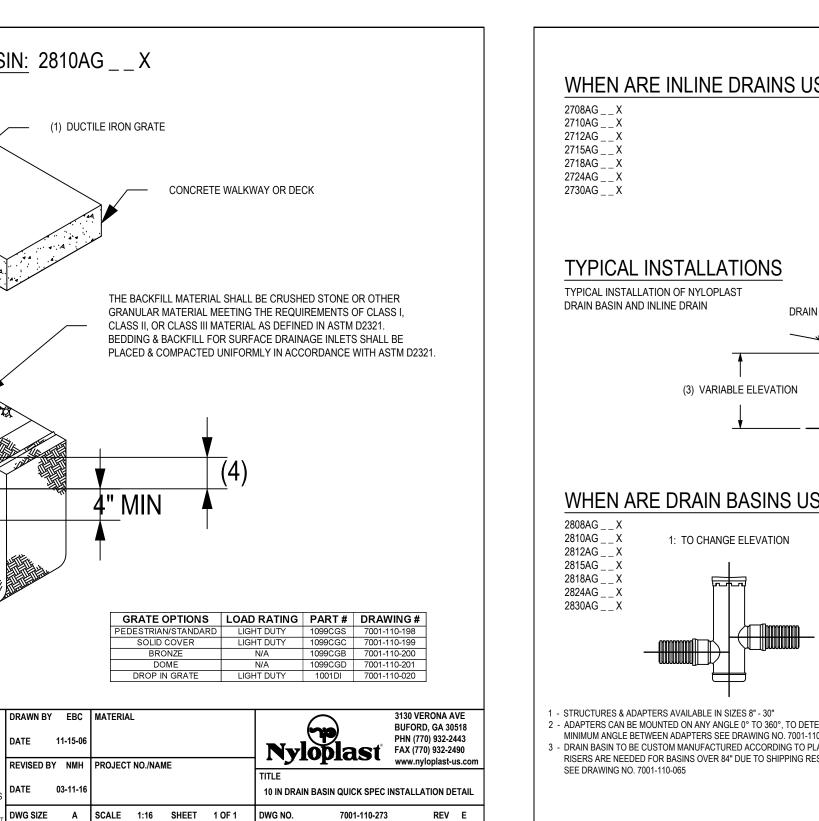
REVISED BY NMH PROJECT NO./NAME

CONCRETE WALKWAY OR DECK

CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321.







GENERAL

- NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, DESIGN PROFESSIONAL, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE DESIGN PROFESSIONAL OF RECORD OR ANY OF THE DESIGN PROFESSIONAL OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
- CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.
- REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.
- CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, SJI OR OTHER STANDARDS. WHERE A CONFLICT
- OCCURS WITHIN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.
- CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS. DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SEE THE ARCHITECTURAL DRAWINGS.

MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.

- CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY.
- CONTRACTOR SHALL VERIFY THE STRUCTURALLY SUPPORTED MECHANICAL EQUIPMENT WEIGHTS, OPENING SIZES AND LOCATIONS IDENTIFIED ON THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC. IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS.
-). CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
- THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.
- 12. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.
- 13. ELECTRONIC DRAWING FILES WILL NOT BE PROVIDED TO THE CONTRACTOR. REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.
- REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE DESIGN PROFESSIONAL DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE DESIGN PROFESSIONAL. CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.
- 5. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THE TYPICAL DETAILS UNLESS THOSE LOCATIONS ARE SPECIFICALLY DETAILED OTHERWISE.
- STRUCTURAL DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR THE DESIGN OF PRE-ENGINEERED METAL BUILDING, COLD-FORMED METAL FRAMING, OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.

CODE/DESIGN CRITERIA

- STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING:
- INTERNATIONAL BUILDING CODE, 2012 EDITION WITH GEORGIA AMENDMENTS.
- GRAVITY LOADS
- 2.1 UNIFORM FLOOR LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
- GENERAL AREAS
- 2.2 UNIFORM ROOF LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):

5 PSF

- BASKETBALL GOAL AND EQUIPMENT COORDINATE WITH MANUFACTURER GROUND SNOW LOAD, Pg
- 3000 4000 LB SCOREBOARD PONDING AND DRIFT EFFECTS HAVE BEEN INCLUDED IN THE DESIGN
- 2.3 DEAD LOADS (IN ADDITION TO STRUCTURE SELF-WEIGHT):
- INSULATION MISCELLANEOUS

ROOFING

- 5 PSF CEILING/MEP 5 PSF
- WIND LOADS:
- ULTIMATE DESIGN WIND SPEED, VULT = 120 MPH NOMINAL DESIGN WIND SPEED, VASD = 93 MPH
- RISK CATEGORY: III EXPOSURE C
- INTERNAL PRESSURE COEFFICIENT = +/- 0.18
- SEE COMPONENT AND CLADDING DESIGN WIND PRESSURE DIAGRAM

EARTHQUAKE LOADS:

- SEISMIC IMPORTANCE FACTOR: I = 1.25
- SHORT PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT, SS = 0.178 1 SECOND PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT, S1 = 0.088
- SITE CLASS C SHORT PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT, SDS = 0.142
- 1 SECOND PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT, SD1 = 0.100 SEISMIC DESIGN CATEGORY: B
- BASIC SEISMIC-FORCE RESISTING SYSTEM: •• GYMNASIUM: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE,
- EXCLUDING CANTILEVER COLUMN SYSTEMS. -- CORRIDOR: LIGHT-FRAME (COLD-FORMED STEEL) WALLS SHEATHED WIT WOOD
- STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE. DESIGN BASE SHEAR: 1 KIPS
- SEISMIC RESPONSE COEFFICIENT, CS ■■ GYMNASIUM: 0.059
- CORRIDOR: 0.027 RESPONSE MODIFICATION FACTOR, R
- •• GYMNASIUM: 3 ■ CORRIDOR: 6.5
- ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
- UNLESS NOTED OTHERWISE CALCULATED INDIVIDUAL MEMBER DEFLECTIONS (IN INCHES) DO NOT EXCEED THE FOLLOWING:

LIVE LOAD DEAD + LIVE LOAD ROOF MEMBERS:

- WHERE, L = SPAN LENGTH (IN INCHES) BETWEEN SUPPORTS. (FOR CANTILEVERS, L IS TWICE THE LENGTH OF THE CANTILEVER.) NOTE THAT THE TOTAL MAXIMUM CALCULATED FLOOR SYSTEM DEFECTION WILL BE THE SUM OF THE DEFLECTIONS OF THE SUPPORTED ELEMENTS
- THE CALCULATED DEFLECTION FOR INDIVIDUAL MEMBERS SUPPORTING MASONRY DO NOT EXCEED L/600 FOR DESIGN LOADS APPLIED AFTER THE INSTALLATION OF THE MASONRY.

SPECIAL INSPECTIONS:

- 6.1 THE STRUCTURAL TESTING/INSPECTION AGENCY, SEE SPECIFICATION SECTION 014525, WILL PERFORM SPECIAL INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE. MATERIALS AND WORK TO BE INSPECTED INCLUDE CONCRETE, STEEL, AND MASONRY CONSTRUCTION. SEE SPECIFICATION SECTIONS 014525 FOR A COMPLETE LIST OF WORK REQUIRING SPECIAL INSPECTIONS.
- 6.2 SPECIAL INSPECTION AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE ARE REQUIRED FOR STRUCTURAL COMPONENTS AND ASSEMBLIES WHICH ARE NOT FABRICATED AT THE CONSTRUCTION JOB SITE INCLUDING BUT NOT LIMITED TO FLOOR AND ROOF TRUSSES AND JOISTS OF WOOD AND STEEL MATERIALS, STRUCTURAL STEEL FRAMING, AND PRECAST CONCRETE, JOISTS, BEAMS, COLUMNS, SLABS, WALLS AND CLADDING.
- 6.3 SPECIAL INSPECTION AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE MAY BE WAIVED FOR ITEMS WHICH ARE PRODUCED ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS AND BY PERIODIC AUDITING OF FABRICATION PRACTICES BY AN APPROVED SPECIAL INSPECTION AGENCY. THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE WHICH STATES THAT THE FABRICATION WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
- 6.4 THE PROJECT OWNER WILL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PERFORM INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE DURING CONSTRUCTION OF THE PROJECT. DOCUMENTATION THAT SUMMARIZES THE QUALIFICATION AND CREDENTIALS OF EACH SPECIAL INSPECTOR AND DEMONSTRATES COMPETENCE FOR INSPECTION OF EACH PARTICULAR TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION SHALL BE SUBMITTED TO THE CHIEF COMMERCIAL BUILDING INSPECTOROR HIS DESIGNEE FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

- 6.5 APPROVED SPECIAL INSPECTORS SHALL FURNISH INSPECTION REPORTS TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE WHICH INDICATE THAT THE WORK INSPECTED WAS DONE IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. A FINAL REPORT WHICH DOCUMENTS THE RESULTS OF THE SPECIAL INSPECTIONS PERFORMED INCLUDING CORRECTION OF ANY DISCREPANCIES IDENTIFIED DURING INSPECTION SHALL BE SUBMITTED PERIODICALLY AT A FREQUENCY APPROVED BY CHIEF COMMERCIAL BUILDING INSPECTOR PRIOR TO CONSTRUCTION.
- 7. NO PROVISIONS HAVE BEEN MADE FOR FUTURE HORIZONTAL OR VERTICAL EXPANSION.

FOUNDATION

- FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY S&ME, PROJECT NUMBER 1280-17-023 DATED APRIL 17, 2017. DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT TO THOSE ASSUMED FOR DESIGN.
- 2. STRUCTURAL TESTING/INSPECTION AGENCY SHALL CERTIFY THE BEARING MEDIUM.
- SUPPORTING 3500 PSF. 3.1 NO FOOTINGS SHALL BEAR ON ROCK. UNDERCUT ROCK A MINIMUM OF 2 FEET BELOW BOTTOM OF FOOTING AND REPLACE WITH STRUCTURAL FILL.

3. INDIVIDUAL SPREAD FOOTINGS AND CONTINUOUS FOOTINGS SHALL BEAR ON SOIL CAPABLE OF

- PROOF ROLL BUILDING AREAS WITH TWO COMPLETE COVERAGES OF A LOADED DUMP-TRUCK OR SCRAPER. REPLACE SOFT AREAS WITH COMPACTED STRUCTURAL FILL AS REQUIRED BY THE SPECIFICATIONS.
- STRUCTURAL FILL SHALL CONTAIN NO ORGANIC MATERIAL AND BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. STRUCTURAL FILL UNDER SLABS AND WITHIN 10'-0" OF THE BUILDING FOOTPRINT SHALL BE PLACED IN LIFTS OF THICKNESS DETERMINED BY THE INDEPENDENT TESTING AGENCY AND COMPACTED TO AT LEAST 95% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698. THE TOP 12" SUB-BASE UNDER SLABS ON GRADE SHALL BE COMPACTED TO AT LEAST 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY. ALL BACKFILL, COMPACTION AND PROOF ROLLING OPERATIONS SHALL BE OBSERVED BY AN INDEPENDENT TESTING LABORATORY.
- 6. SLABS-ON-GRADE SHALL BE PLACED ON A 4" GRANULAR BASE, COMPACTED TO 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698, AND COVERED WITH A 10 MIL CONTINUOUSLY SEALED VAPOR BARRIER. THE BASE FOR SLABS-ON-GRADE SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER PRIOR TO EACH PLACEMENT OF CONCRETE.
- BACKFILL SHALL NOT BE PLACED AGAINST EXTERIOR OR RETAINING WALLS UNTIL THE WALLS HAVE ACHIEVED THEIR DESIGN STRENGTH AND THEIR LATERAL SUPPORT ELEMENTS ARE INSTALLED. PROVIDE ADEQUATE DRAINAGE AT BASEMENT AND RETAINING WALLS (SEE ARCHITECTURAL).
- 8. FOOTINGS SHALL BE CENTERED ABOUT COLUMN LINES UNLESS NOTED OTHERWISE.
- 9. ALL FOOTINGS AND TURN DOWN SLAB EDGES SHALL PENETRATE TO A MINIMUM DEPTH OF 12" BELOW FINISHED GRADE.

REINFORCEMENT

- 1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
- 2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064 AND HAVE MINIMUM SIDE AND END LAPS OF
- 3. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE REINFORCING BAR SIZES AND PLACEMENT. WRITTEN DESCRIPTION OF REINFORCEMENT WITHOUT ADEQUATE SECTIONS, ELEVATIONS, AND DETAILS IS NOT ACCEPTABLE.
- SPLICES SHALL BE CLASS B IN ACCORDANCE WITH ACI 318, UNLESS NOTED OTHERWISE. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED IN THE STRUCTURAL DOCUMENTS, EXCEPT REINFORCEMENT MARKED "CONTINUOUS" CAN BE SPLICED AT LOCATIONS DETERMINED BY CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE DESIGN PROFESSIONAL.
- 5. PROVIDE DOWELS FROM FOUNDATIONS THE SAME SIZE AND NUMBER AS THE VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE.
- 6. PLACE REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE
- 6.1 CONCRETE REINFORCEMENT COVER
- **EXPOSED TO EARTH OR WEATHER:** 3" CLEAR UNFORMED CAST AGAINST EARTH
- FORMED #6 AND LARGER 2" CLEAR 1-1/2" CLEAR
- FORMED #5 AND SMALLER NOT EXPOSED TO EARTH OR WEATHER:
- SLABS
- 6.2 MASONRY REINFORCING STEEL SHALL BE PLACED IN THE CENTER OF THE WALL UNLESS NOTED
- 7. REINFORCING STEEL DESIGNATED CONTINUOUS SHALL BE LAPPED AS FOLLOWS:
- CLASS B TENSION LAP CONCRETE REINFORCEMENT:
- 48 BAR DIAMETERS MASONRY REINFORCEMENT:
- ADHESIVE FOR REINFORCING DOWELS IN EXISTING CONCRETE SHALL CONFORM TO ASTM C881-02, TYPE IV. GRADE 3. CLASS A. B. & C EXCEPT GEL TIMES AND EPOXY CONTENT. ADHESIVE SHALL CONSIST OF A TWO COMPONENT ADHESIVE SYSTEM CONTAINED IN SIDE BY SIDE PACKAGING CONNECTEED TO A MIXING NOZZLE WHICH THOROUGHLY MIXES THE COMPONENTS AS IT IS INJECTED INTO THE HOLE. ADHESIVE SHALL HAVE PASSED ICC EVALUATION SERVICES, INC (ICC-ES) ACCEPTANCE CRITERIA 308 FOR LONG TERM CREEP. REINFORCING INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 308 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT LENGTH SHALL BE 12 BAR DIAMETERS, UNLESS NOTED OTHERWISE.
- 9. ALL DOWELS AND TERMINATING BARS SHALL HAVE A STANDARD 90 DEGREE HOOK.
- 10. ALL HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH CONTROL AND/OR CONSTRUCTION JOINTS AND AROUND CORNERS.

CAST-IN-PLACE CONCRETE

- 1. CONCRETE WORK SHALL CONFORM TO ACI 318 AND CRSI STANDARDS
- 2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM SPECIFIED 28-DAY COMPRESSIVE STRENGTH: 2.1 NORMAL WEIGHT STRUCTURAL CONCRETE:
 - FOOTINGS SLABS-ON-GRADE

3000 PSI 4000 PSI

- 3. PIPES OR DUCTS SHALL NOT EXCEED ONE-THIRD THE SLAB OR WALL THICKNESS INCLUDING CROSSING UNLESS SPECIFICALLY DETAILED IN THE STRUCTURAL DOCUMENTS. ALL PIPES AND DUCTS SHALL BE PLACED IN THE MIDDLE THIRD OF THE SLAB OR WALL THICKNESS UNLESS SPECIFICALLY DETAILED OTHERWISE IN THE STRUCTURAL DOCUMENTS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES, ACCESSORIES, ETC.
- REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS OR GROUNDS REQUIRED TO BE ENCASED IN CONCRETE AND FOR LOCATION OF FLOOR FINISHES AND SLAB DEPRESSIONS
- 5. CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE DESIGN PROFESSIONAL. NO HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED EXCEPT THOSE SHOWN ON THE STRUCTURAL
- 6. DEFECTIVE AREAS IN CONCRETE INCLUDING, BUT NOT LIMITED TO, HONEY-COMBING, SPALLS, AND CRACKS WITH WIDTHS EXCEEDING 0.016 INCH SHALL BE REPAIRED. EXTENT OF DEFECTIVE AREA TO BE DETERMINED BY THE DESIGN PROFESSIONAL

- MINIMUM 28-DAY COMPRESSIVE STRENGTH OF CONCRETE MASONRY SHALL BE F'M = 1500 PSI.
- MORTAR SHALL COMPLY WITH THE BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY AND SHALL BE OF THE FOLLOWING TYPE:
- TYPE M WALLS BELOW GRADE TYPE M OR S BEARING WALLS
- CONCRETE MASONRY UNITS SHALL BE GROUTED WITH 2500 PSI COARSE GROUT AS SHOWN IN THE STRUCTURAL DOCUMENTS. GROUT FOR REINFORCED AND NONREINFORCED MASONRY SHALL
- VERTICALLY, UNLESS NOTED OTHERWISE. PROVIDE SPECIAL ACCESSORIES FOR CORNERS, PROVIDE CONTROL JOINTS IN ALL CONCRETE MASONRY WALLS AT LOCATIONS APPROVED BY THE

4. PROVIDE HORIZONTAL JOINT REINFORCEMENT WITH NO. 9 GAGE LONGITUDINAL WIRES AT 16" C/C

DESIGN PROFESSIONAL AT A MAXIMUM SPACING OF 3 TIMES THE WALL HEIGHT OR 40'-0",

SUBMIT WRITTEN CONSTRUCTION PROCEDURES PRIOR TO THE START OF MASONRY

CONSTRUCTION. MINIMUM VERTICAL WALL REINFORCEMENT SHALL BE #5 @32" C/C, UNLESS NOTED OTHERWISE

8. SUBMIT SHOP DRAWINGS FOR MASONRY REINFORCEMENT IN ACCORDANCE WITH SPECIFICATION

SECTION 032000. STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A992, UNLESS NOTED OTHERWISE.
 - STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500, GRADE B. STRUCTURAL CHANNELS, MISCELLANEOUS PLATES AND CONNECTION MATERIAL SHALL CONFORM TO ASTM A36, UNLESS NOTED OTHERWISE.

2. BOLTS AND ANCHORS:

- 2.1 BOLTED CONNECTIONS SHALL BE TYPE N (BEARING TYPE WITH THREADS INCLUDED IN SHEAR PLANE) WITH MINIMUM 3/4" DIAMETER (UNO) A325 BOLTS. SUBMIT PROPOSED BOLT TIGHTENING PROCEDURE FOR REVIEW.
- 2.2 ANCHOR BOLTS SHALL BE HEADED BOLTS CONFORMING TO ASTM F1554 AND SHALL BE HEADED RODS OR THREADED RODS WITH HEAVY HEXAGONAL NUT WELDED TO THE BOTTOM OF THE THREADED ROD, GRADE A36, UNLESS NOTED OTHERWISE.
- 2.3 EXPANSION ANCHORS SHALL HAVE BEEN EVALUATED BY THE ICC EVALUATION SERVICES, INC (ICC-ES) WITH A PUBLISHED EVALUATION REPORT. ANCHORS INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 193 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. ALL ANCHORS SHALL BE APPROVED FOR RESISTING WIND AND SEISMIC LOADS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE EQUAL TO 4.5 TIMES THE ANCHOR DIAMETER, UNLESS NOTED OTHERWISE.
- 2.4 ADHESIVE ANCHORS SHALL CONSIST OF AN ALL-THREAD STEEL ANCHOR WITH ADHESIVE CONFORMING TO ASTM C881-02, TYPE IV, GRADE 3, CLASS A, B, & C EXCEPT GEL TIMES AND EPOXY CONTENT. ADHESIVE SHALL CONSIST OF A TWO COMPONENT ADHESIVE SYSTEM CONTAINED IN SIDE BY SIDE PACKAGING CONNECTED TO A MIXING NOZZLE WHICH THOROUGHLY MIXES THE COMPONENTS AS IT IS INJECTED INTO THE HOLE. ADHESIVE SHALL HAVE PASSED ICC EVALUATION SERVICES, INC (ICC-ES) ACCEPTANCE CRITERIA 308 FOR LONG TERM CREEP. ANCHORS INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 308 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE EQUAL TO 4.5 TIMES THE ANCHOR DIAMETER, UNLESS NOTED OTHERWISE.
- STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO BOTH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
- 4. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS AND CONNECTIONS SHOWN IN THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DETAILED BASED ON THE DESIGN INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DESIGNED FOR THE SERVICE LOAD REACTION OF 10 KIPS UNLESS SHOWN OTHERWISE ON THE STRUCTURAL DRAWINGS. FOR STEEL MEMBERS WHOSE REACTIONS ARE NOT SHOWN, THE DESIGN REACTION SHALL BE OBTAINED FROM THE TABLES ENTITLED "MAXIMUM TOTAL UNIFORM LOAD" IN PART 3 OF THE AISC "MANUAL OF STEEL CONSTRUCTION", FOURTEENTH (14TH) EDITION. THE DESIGN REACTION IS EQUAL TO HALF THE TABULATED VALUE FOR NONCOMPOSITE BEAMS AND EQUAL TO THE TABULATED VALUE FOR COMPOSITE BEAMS. DEVIATION FROM THE CONNECTION DETAILS DEPICTED IN THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE DESIGN PROFESSIONAL. REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE DESIGN AND ADEQUACY OF SUCH CONNECTIONS. DESIGN PROFESSIONAL SHALL BE COMPENSATED BY THE CONTRACTOR FOR THE COST INVOLVED IN THE REDESIGN OF CONNECTIONS FOR THE CONVENIENCE OF THE CONTRACTOR. SINGLE ANGLE CONNECTIONS ARE NOT ACCEPTABLE.
- USE PRE-QUALIFIED WELDED JOINTS IN ACCORDANCE WITH AISC AND THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY. "NON-PRE-QUALIFIED JOINTS" SHALL BE QUALIFIED PRIOR TO FABRICATION.
- 6. STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE GALVANIZED.

- 1. STEEL JOISTS, BRIDGING, AND THEIR CONNECTIONS SHALL BE DESIGNED, FABRICATED, AND ERECTED ACCORDING TO THE SPECIFICATIONS OF THE STEEL JOIST INSTITUTE (SJI).
- 2. STEEL ROOF JOISTS AND BRIDGING SHALL BE DESIGNED FOR A NET UNIFORM UPLIFT LOAD OF $_$
- 3. DESIGN OF STEEL JOISTS, BRIDGING, AND THEIR CONNECTIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT SHOP DRAWINGS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS REGARDING ARRANGEMENT AND SIZES OF MEMBERS AND THE CONTRACTOR'S INTERPRETATION OF THE DESIGN LOADS AND CONTRACT DOCUMENT DETAILS. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR THE DESIGN OF THE STEEL JOISTS, BRIDGING AND THEIR CONNECTIONS.
- 4. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION AND ERECTION OF WALLS, BEAM FRAMING, METAL DECKING, ETC. TO ENSURE COMPATIBILITY OF ROOF AND WALL SYSTEMS CONSIDERING PITCH AND CAMBER OF STEEL JOISTS.

METAL DECK

- 1. DECK DESIGN IS BASED ON THE STEEL DECK INSTITUTE DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS.
- 2. PROVIDE GALVANIZED ROOF DECK WITH THE FOLLOWING MINIMUM PROPERTIES:
 - 1/2 INCH 22 GAGE THICKNESS
- SECTION MODULUS 0.186 IN3/FT 0.155 IN4/FT MOMENT OF INERTIA YIELD STRESS 33,000 PSI
- DECK IS SPECIFIED BASED ON A THREE SPAN CONDITION. FURNISH HEAVIER GAGE DECK IF REQUIRED FOR ONE OR TWO SPAN CONDITIONS.
- 4. FASTEN ROOF DECK TO RESIST A NET UPLIFT OF 12 PSF OR AS INDICATED ON THE DRAWINGS.

FASTEN DECK TO RESIST A DIAPHRAGM SHEAR FORCE OF 180 POUNDS PER LINEAR FOOT. **COLD-FORMED STEEL**

- 1. DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS AND THEIR CONNECTIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT SHOP DRAWINGS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS REGARDING ARRANGEMENT AND SIZES OF MEMBERS AND THE CONTRACTOR'S INTERPRETATION OF THE DESIGN LOADS AND CONTRACT DOCUMENT DETAILS. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR THE DESIGN OF THE COLD-FORMED STEEL STRUCTURAL MEMBERS AND THEIR CONNECTIONS.
- 2. COLD-FORMED STEEL DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH AISI "SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" OR "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATION FOR COLD-FORMED STEEL STRUCTURAL MEMBERS".
- 3. COLD-FORMED STEEL STUDS, JOISTS AND ACCESSORIES SHALL BE AS SHOWN IN THE STRUCTURAL

4. COLD-FORMED STEEL STRUCTURAL MEMBERS MAY BE ATTACHED BY EITHER WELDS OR SCREWS

- SIZED BY THE MANUFACTURER FOR THE SPECIFIED DESIGN LOADS. SEE THE SPECIFICATIONS. CONTRACTOR SHALL FURNISH COMPLETE FABRICATION AND ERECTION DRAWINGS FOR APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO THE COMMENCEMENT OF FABRICATION. INCLUDE PLACING DRAWINGS FOR FRAMING MEMBERS SHOWING SIZE AND GAGE DESIGNATIONS, NUMBER, TYPE, LOCATION AND SPACING. INDICATE SUPPLEMENTAL STRAPPING, BRACING, SPLICES,
- 6. AXIALLY LOADED BEARING STUDS SHALL BE POSITIONED SUCH THAT STUD LOCATION IS DIRECTLY
- UNDER JOIST BEARING POINT UNLESS NOTED OTHERWISE IN THE STRUCTURAL DOCUMENTS. 7. SPLICES IN AXIALLY LOADED STUDS AND ROOF JOISTS SHALL NOT BE PERMITTED

BRIDGING, ACCESSORIES AND DETAILS REQUIRED FOR PROPER INSTALLATION.

8. WELDING OF COLD-FORMED STEEL SHALL BE IN ACCORDANCE WITH THE STANDARD CODE OF ARC AND GAS WELDING IN BUILDING CONSTRUCTION.

METAL BUILDING SYSTEM

MANUFACTURER OF EACH COMPONENT.

- THE PRE-ENGINEERED BUILDINGS SHOWN ARE SINGLE-SPAN, CONTINUOUS FRAME-TYPE METAL BUILDINGS OF THE NOMINAL LENGTH, WIDTH, EAVE HEIGHT, AND ROOF PITCH INDICATED. EXTERIOR WALLS ARE COVERED WITH FACTORY UN-INSULATED METAL WALL PANELS.
- SUBMIT COMPLETE STRUCTURAL ANALYSIS AND DESIGN CALCULATIONS, AND FRAME REACTION LOADS FOR THE DESIGN OF FOUNDATIONS. MAIN WIND-FORCE RESISTANCE SYSTEM SHALL BE USED FOR THE DESIGN OF THE PRE-ENGINEERED BUILDING.
- FOUNDATION HAS BEEN DESIGNED FOR VERTICAL LOAD ONLY. PRE-ENGINEERED BUILDING SHALL BE DESIGNED TO TRANSFER NO MOMENTS TO THE FOUNDATION.
- 4. PREPARE SHOP DRAWINGS AND CALCULATIONS UNDER SEAL OF A PROFESSIONAL ENGINEER IN THE STATE OF GEORGIA. CERTIFICATION: SUBMIT WRITTEN CERTIFICATION PREPARED AND SIGNED BY A PROFESSIONAL ENGINEER, REGISTERED TO PRACTICE IN GEORGIA, VERIFYING THAT BUILDING DESIGN MEETS

INDICATED LOADING REQUIREMENTS AND CODES OF AUTHORITIES HAVING JURISDICTION

6. STRUCTURAL FRAMING: DESIGN PRIMARY AND SECONDARY STRUCTURAL MEMBERS AND

TO SUPPORT BASKETBALL BACKSTOPS, SCOREBOARD, AND MOTORIZED CURTAIN.

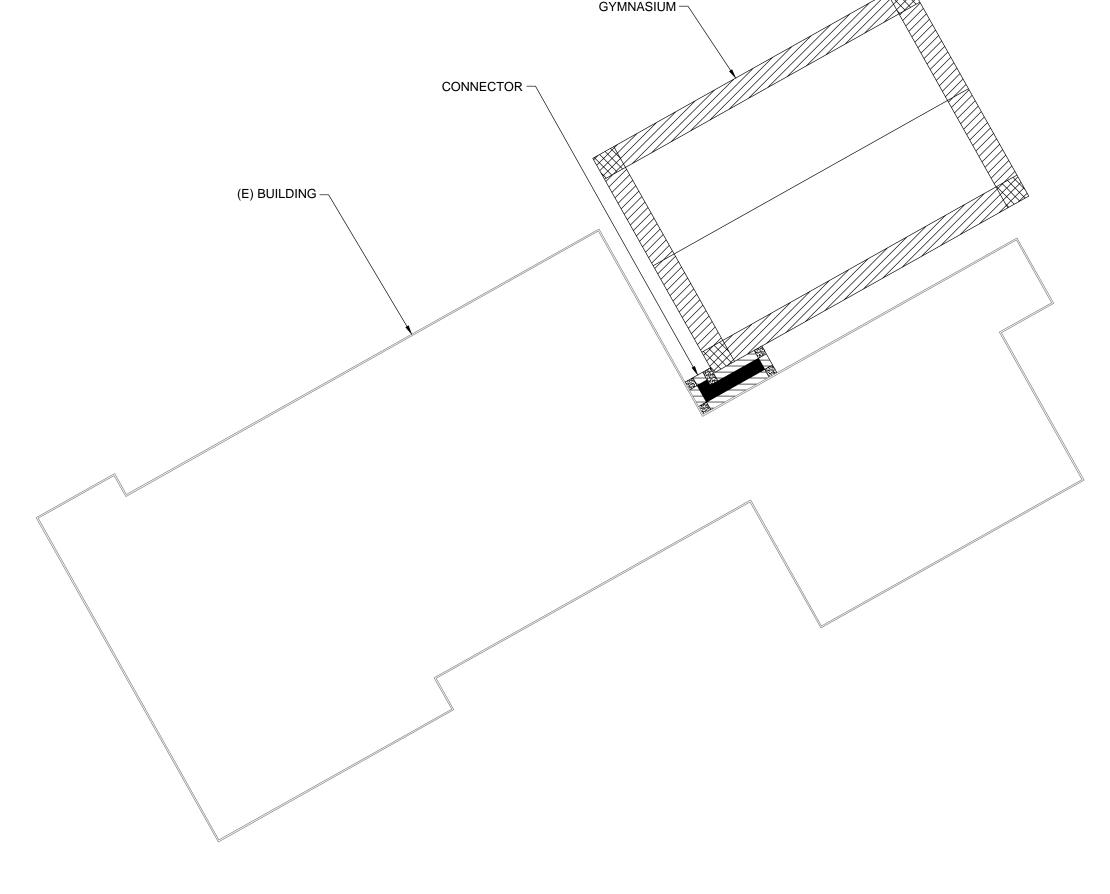
PRE-ENGINEERED MANUFACTURER SHALL COORDINATE LOCATIONS AND LOADS WITH

- EXTERIOR COVERING MATERIALS FOR APPLICABLE LOADS AND COMBINATIONS OF LOADS IN ACCORDANCE WITH THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) 7 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES. PRE-ENGINEERED BUILDING MANUFACTURER SHALL PROVIDE ADDITIONAL PURLINS AS REQUIRED
- STRUCTURAL STEEL: FOR DESIGN OF STRUCTURAL STEEL MEMBERS, COMPLY WITH REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION'S (AISC) "SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" FOR DESIGN REQUIREMENTS AND ALLOWABLE STRESSES.

9. WELDED CONNECTIONS: ALL STRUCTURAL WELDED JOINTS SHALL CONFORM TO THE PROVISIONS

OF AWS D1.1-10, STRUCTURAL WELDING CODE BY AMERICAN WELDING SOCIETY. THE PROOF OF

WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION. 10. BOLTED CONNECTION: ALL BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RCSC-2009 (SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH



ROOF COMPONENTS AND CLADDING **ULTIMATE WIND PRESSURE DIAGRAM**

= -34 PSF/+16 PSF

= -45 PSF/+16 PSF = -54 PSF/+16 PSF = -30 PSF/+16 PSF = -40 PSF/+16 PSF = -48 PSF/+16 PSF

NOTE: WIND PRESSURE BASED ON 50 SQUARE FOOT AREA.

NEGATIVE INDICATES PRESSURE AWAY FROM SURFACE



GYMNASIUM



= -37 PSF/+29 PSF NOTE: WIND PRESSURE BASED ON 50 SQUARE FOOT AREA. NEGATIVE INDICATES PRESSURE AWAY FROM SURFACE

WALL COMPONENTS AND CLADDING ULTIMATE WIND PRESSURE DIAGRAM

= -29 PSF/+26 PSF

NEGATIVE INDICATES PRESSURE AWAY FROM SURFACE

= -33 PSF/+26 PSF NOTE: WIND PRESSURE BASED ON 50 SQUARE FOOT AREA.



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WAKEFIELD BEASLEY & **ASSOCIATES**

ATLANTA · JACKSONVILLE · PANAMA ABU DHABI · DUBAI · SHANGHAI



ROCKDALE COUNTY RECREATION AND **DEPARTMENT**

> 1781 EBENEZER ROAD CONYERS, GA 30094

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2017-05-15 90% CONSTRUCTION DOCUMENTS

2017-06-23 100% CONSTRUCTION DOCUMENTS

2017-06-29 BUILDING PERMIT SUBMISSION

Print Record

Revisions DESCRIPTION DATE

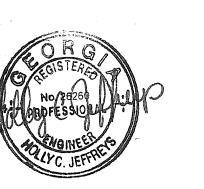
> 1607008000 Sheet Title

GENERAL NOTES

Job No.

Date

ATLANTA · JACKSONVILLE · PANAMA ABU DHABI · DUBAI · SHANGHAI



ROCKDALE COUNTY RECREATION AND **MAINTENANCE** DEPARTMENT

> 1781 EBENEZER ROAD CONYERS, GA 30094

> > DESCRIPTION

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Print Record

2017-05-15 90% CONSTRUCTION DOCUMENTS 2017-06-23 100% CONSTRUCTION DOCUMENTS 2017-06-29 BUILDING PERMIT SUBMISSION

Revisions

Job No. 06/29/17 1607008000

ESTIMATED PREFABRICATED ALLOWABLE DESIGN LOADS PER COLUMN

UPLIFT MIN. 19.10 KIPS 11.60 KIPS 16.0 KIPS

LOADS MUST BE VERIFIED W/ PRE-ENGINEERED METAL BUILDING MANUFACTURER PRIOR TO CONSTRUCTION.

GRAVITY

MAX. 44.85 KIPS

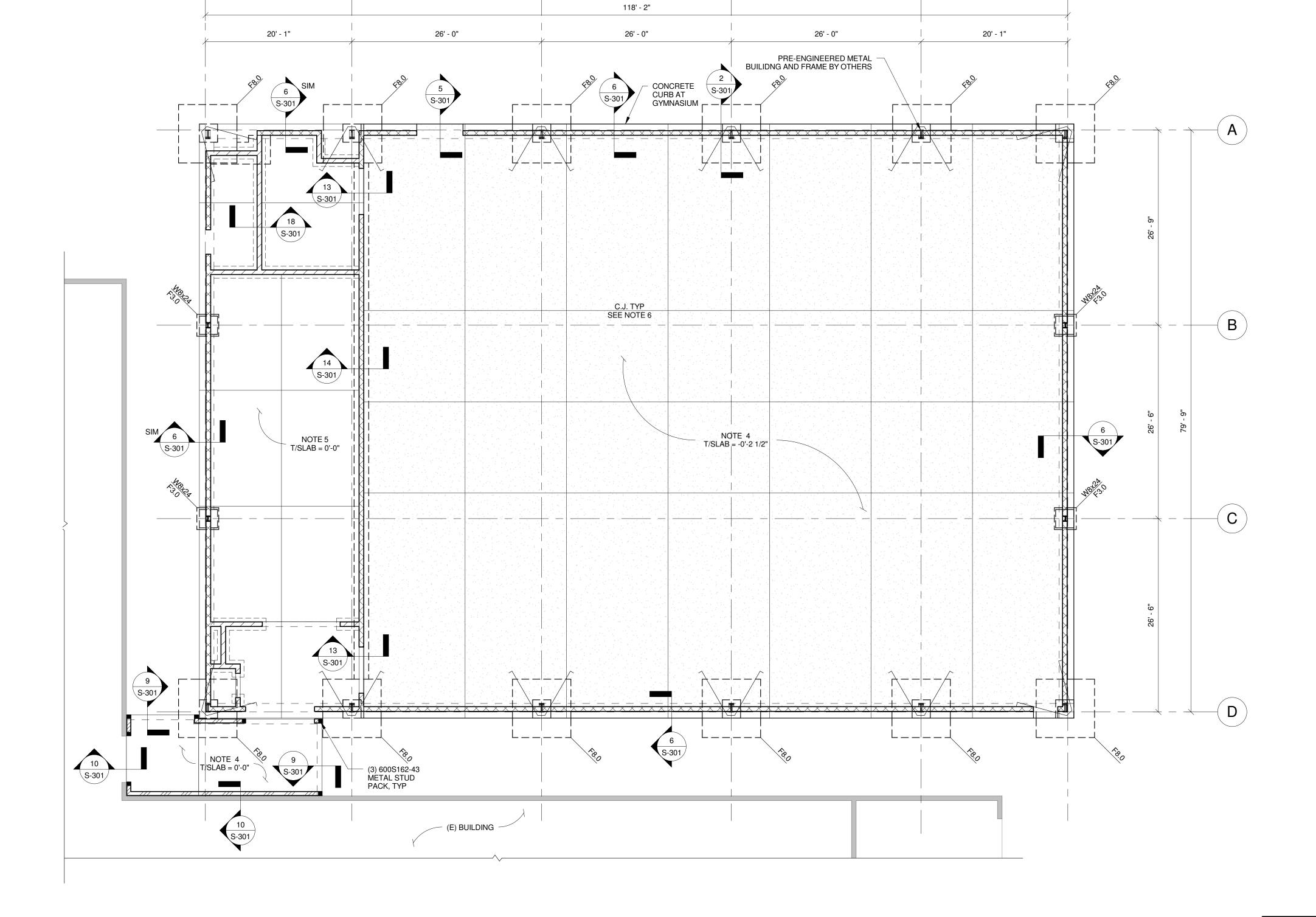
Sheet Title

FOUNDATION PLAN

Sheet No.

Civil Engineering | Graphic Design | Landscape Architecture Network Services | Structural Engineering | Transportation 3740 Davinci Ct, Suite 100 Peachtree Corners, GA 30092 www.fg-inc.net 770.368.1399

RELEASED FOR CONSTRUCTION



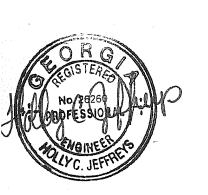
1 FOUNDATION PLAN S-101 1/8" = 1'-0"

NOTES:
1. SEE S-001 FOR STRUCTURAL GENERAL NOTES.
2. SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
3. FX INDICATES COLUMN FOOTING. SEE 1/S-301. T/FTG = -1'-4" UNO, BASED ON T/SLAB REFERENCE ELEVATION = 0'-0".
4. PROVIDE 4" SLAB ON GRADE REINFORCED WITH WWF 6x6 W1.4xW1.4 ON VAPOR BARRIER AND 4" GRANULAR BASE. PROVIDE 5" SLAB ON GRADE REINFORCED WITH WWF 6x6 W2.9xW2.9 ON VAPOR BARRIER AND 4" GRANULAR BASE.
 C.J. INDICATES SLAB CONTROL JOINT. SEE 3/S-301 AND GENERAL NOTES FOR ADDITIONAL INFORMATION.

 6. C.J. INDICATES SLAB CONTROL JOINT. SEE 3/S-301 AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
 7. INDICATES SLAB DEPRESSION, SEE 13/S-301. COORD. RECESS DEPTH WITH ARCH.
 8. INDICATES 8" MASONRY WALL REINFORCED W/ #5@32" O.C., SEE DETAIL 2&3/S-401.
 9. INDICATES 8" MASONRY PARTITION WALL REINFORCED W/ #5@48" O.C., SEE DETAIL 2&3/S-401.
 9. INDICATES LOAD BEARING COLD FORMED METAL STUD WALL. SEE 9/S-301 FOR WALL DETAILS.
 10. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL UTILITY AND PLUMBING LINES. SEE 17/S-301.
 11. CONTRACTOR TO INCLUDE BUDGET CONTIGENCY FOR UNDERCUT AND BACKFILL OF ISOLATED POCKETS OF MATERIALS THAT DO NOT PERFORM SATISFACTORILY DURING SITE PREPARATION. IN ADDITION, ISOLATED SPOTS OF DIFFICULT EXCAVATION FOR FOUNDATION AND UTILITY INSTALLATION ARE ANTICIPATED.

12. MAIN WIND-FORCE RESISTANCE SYSTEM SHALL BE USED FOR THE DESIGN OF THE PRE-ENGINEERED METAL BUILDING, SEE ESTIMATED PRE-ENGINEERED BUILDING LOADS THIS SHEET.

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ROCKDALE COUNTY **RECREATION AND MAINTENANCE DEPARTMENT**

> 1781 EBENEZER ROAD CONYERS, GA 30094

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2017-05-15 90% CONSTRUCTION DOCUMENTS 2017-06-23 100% CONSTRUCTION DOCUMENTS 2017-06-29 BUILDING PERMIT SUBMISSION

DESCRIPTION

Revisions No. DATE

06/29/17

Job No. 1607008000

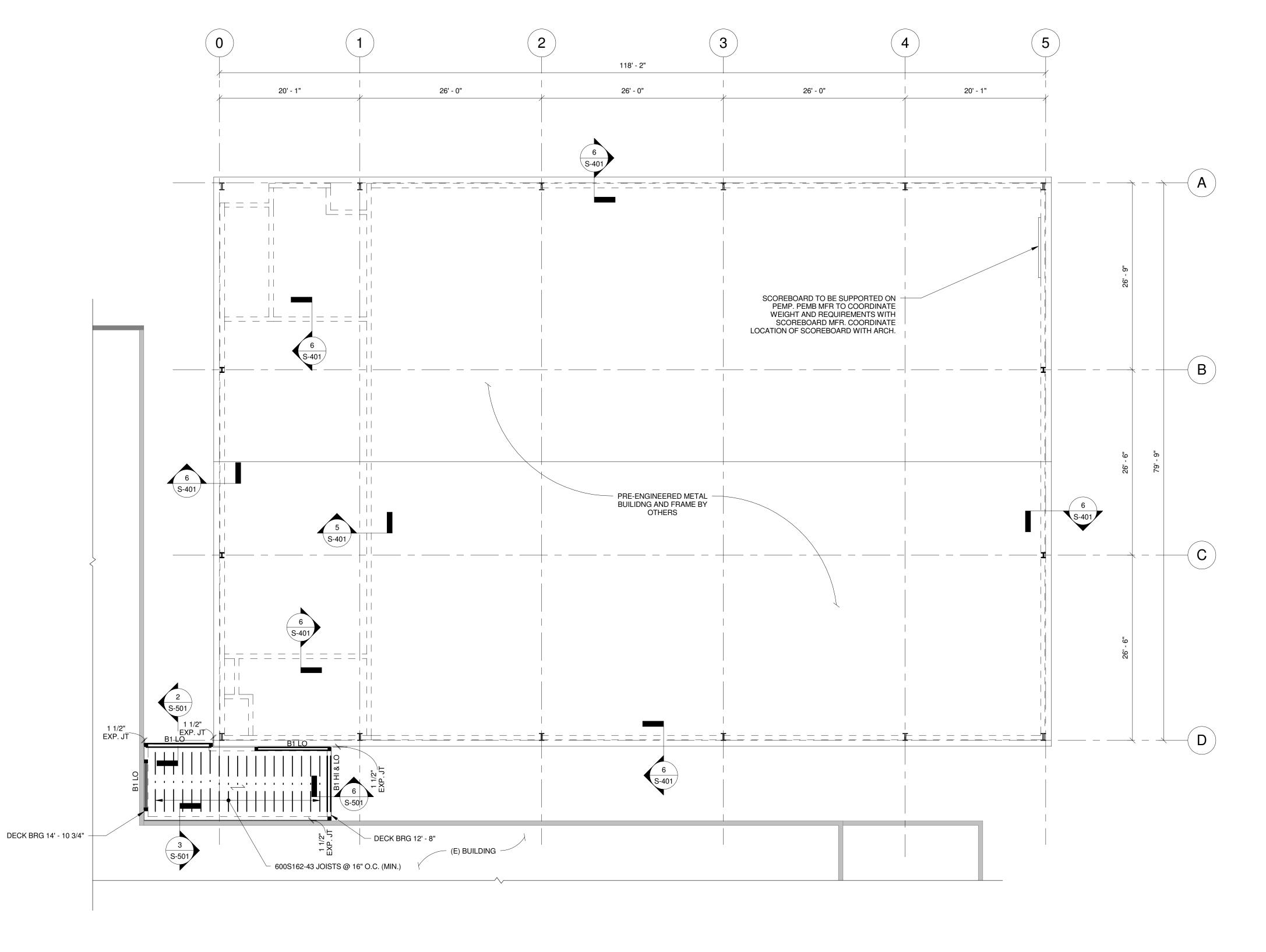
Sheet Title **ROOF FRAMING**

Sheet No.

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RELEASED FOR CONSTRUCTION

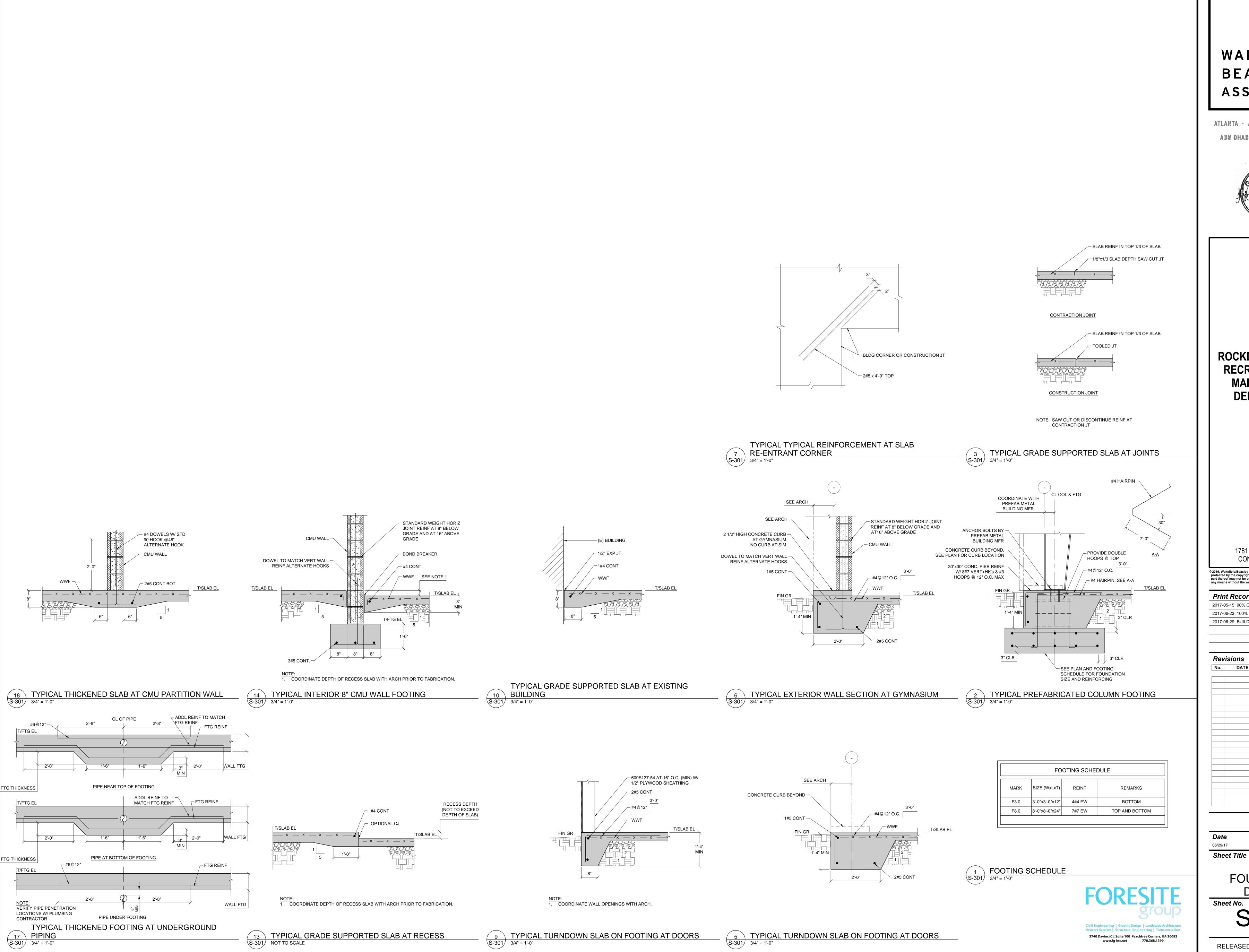
PLAN



1 ROOF FRAMING PLAN

NOTES:

1. SEE S-001 FOR STRUCTURAL GENERAL NOTES.
2. SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
3. INDICATES DIRECTIONAL SPAN OF 1 1/2" 22 GA GALV. METAL ROOF DECK. SEE 4/S-501.
4. B1: INDICATES (2) 800S162-43 BOXED BEAM
5. SEE 1/S-401 FOR STANDARD MASONRY LINTEL SCHEDULE.



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FOUNDATION

DETAILS S-301

SEALANT FLUSH W/ — MORTAR JOINT CUT HORIZ JOINT REINF AT CONTROL JOINT NEOPRENE CONTROL JOINT AT CONTROL JOINT E AT INTERSECTION W/ INTERIOR WALL / 3#5 EA SIDE FOR OPENINGS GREATER THAN 8'-0" WIDE _ 2#5 EA SIDE FOR OPENINGS 4'-0" TO 8'-0" __1#5 EA SIDE FOR OPENINGS 4'-0" WIDE OR LESS 3 TYPICAL REINFORCING AT 8" CMU WALL S-401 3/4" = 1'-0" * MASONRY LAP SCHEDULE AS REQUIRED NOTE * FILL ALL CELLS SOLID W/ — GROUT THAT REQUIRE VERT REINF AND ALL **CELLS BELOW GRADE** NOTE 1 NOTE * T/WALL EL SEE ARCH - JOINT REINF AT 16" 8" CONT. BOND -STANDARD WEIGHT HORIZ JOINT REINF AT 8" BELOW GRADE AND BEAM W/ 1#5 CONT. ─ DOWELS TO MATCH GROUT SOLID AT16" ABOVE GRADE VERT REINF, UNO NOTE 1 ← CMU WALL NOTE * 1. USE 4-0 LIFTS FOR BAR SIZES #3 THROUGH #6, USE 6-0 LIFTS FOR BAR SIZES #7 AND ABOVE FOR FOOTING AND ADDITIONAL REINFORCING, REFER TO PLANS AND SECTIONS 6 TYPICAL PARTITION CMU WALL SECTION S-401 3/4" = 1'-0" 2 TYPICAL REINFORCING CMU WALL S-401 3/4" = 1'-0" STANDARD LINTEL SCHEDULE WALL SIZE LINTEL TYPE REMARKS WALL OPENINGS UP TO 6'-0" 8" BLOCK | 8"x8" CONC W/ 2#4 T&B METAL STUD WALL AND ATTACHMENT BY OTHERS, SEE ARCH 8"x8" U-BLOCK W/ 1#5 T&B OPENINGS 6'-0" TO 8'-0" 8" BLOCK | 8"x8" CONC W/ 2#4 T&B 8"x16" U-BLOCK W/ 1#6 T&B T/WALL EL = 12'-0" SEE ARCH OPENINGS 8'-0" TO 10'-0" 8" BLOCK | 8"x8" CONC W/ 2#4 T&B #3 STIR @ 7" CONT 8" CONT. BOND — BEAM W/ 1#5 CONT. GROUT SOLID STANDARD WEIGHT HORIZ JOINT REINF AT 8" BELOW GRADE AND AT16" ABOVE GRADE STANDARD LINTEL SCHEDULE 3/4" = 1'-0" Civil Engineering | Graphic Design | Landscape Architecture Network Services | Structural Engineering | Transportation 5 TYPICAL CMU WALL SECTION W/ METAL STUD WALL 3/4" = 1'-0" 3740 Davinci Ct, Suite 100 Peachtree Corners, GA 30092 www.fg-inc.net 770.368.1399

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AND SECTION

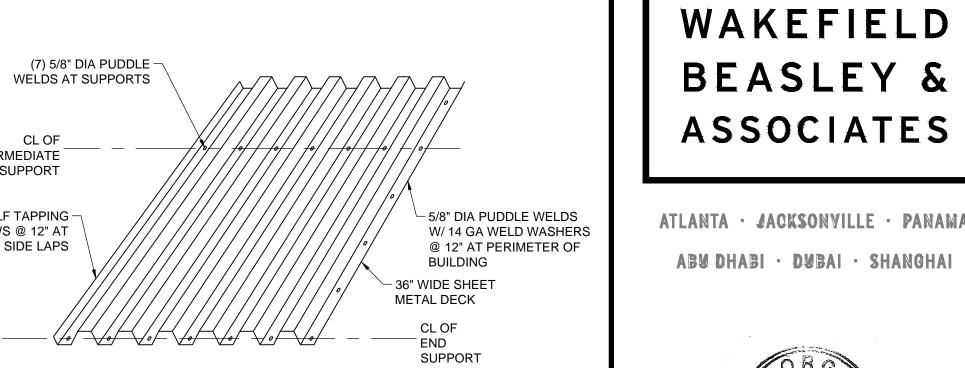
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Revisions DESCRIPTION DATE

> Date Job No. 06/29/17 1607008000 Sheet Title

MASONRY DETAILS

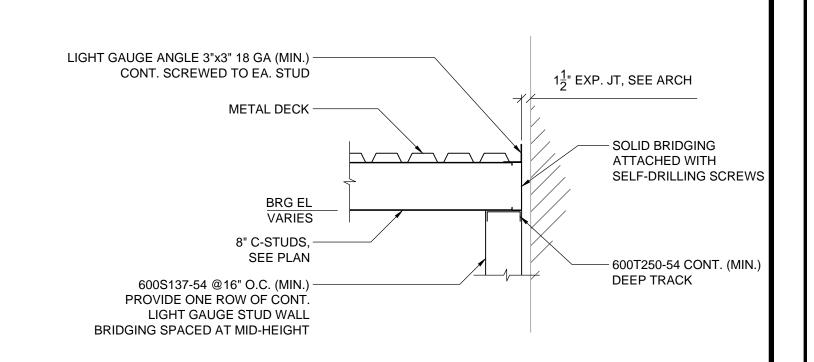




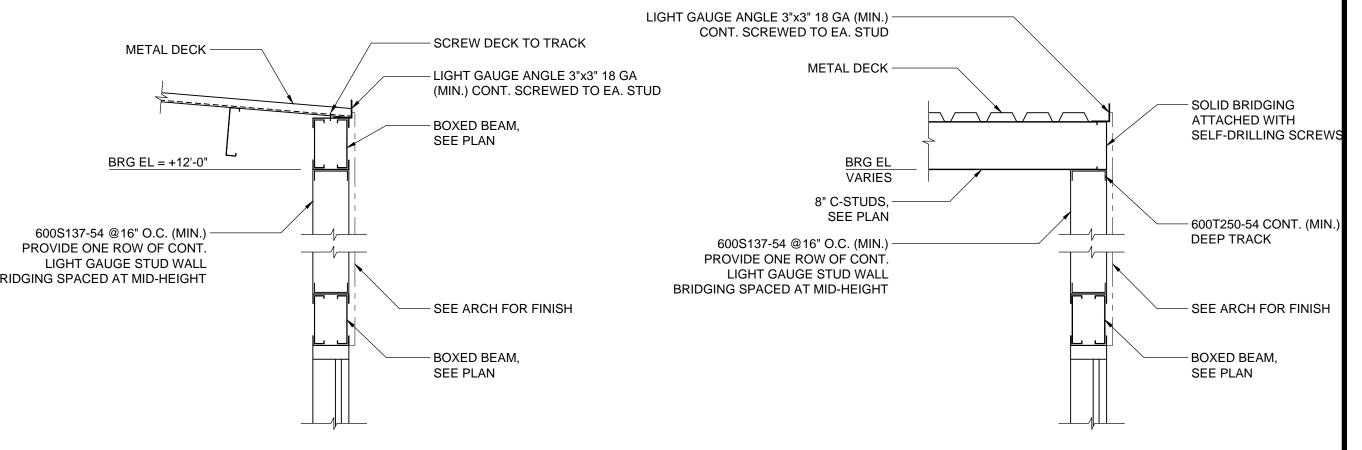


CL OF _ INTERMEDIATE SUPPORT

#10 SELF TAPPING – SCREWS @ 12" AT SIDE LAPS



3 ROOF SECTION AT EXISTING BUILDING
S-501 3/4" = 1'-0"



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FRAMING DETAILS

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WALL TYPES LEGEND 119' - 10" 20' - 1" 26' - 0" 26' - 0" 26' - 0" 20' - 1" - HVAC EQUIPMENT -- CONCRETE SPLASH BLOCKS - CONCRETE MECHANICAL/ELECTRICAL SCORE BOARD (AS AN ALTERNATE) —

NEW 8" (NOMINAL) CMU [U.N.O.] LAID IN FULL BED MORTAR, NOMINALLY 3/8" THICK WITH MASONRY WALL TIES @ 16" O.C. 8" CMU WALL - HGT 12' WITH METAL STUDS EXTEND TO THE STRUCTURE. ONE (1) LAYER OF 5/8" GYPSUM WALL BOARD APPLIED AT RIGHT ANGLES OR PARALLEL TO INTERIOR SIDE OF 6" METAL STUDS. ONE (1) LAYER OF 5/8" GYPSUM WALL BOARD APPLIED AT RIGHT ANGLES OR PARALLEL TO EACH SIDE OF 6" METAL STUDS WITH 2" OF METAL SIDING ON EXTERIOR FACE. METAL WALL PANELS ON EXTERIOR SIDE OF 8" WALL GIRTS WITH MIN. R-19 CONTINUOUS INSULATION

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JOHNSON PARK GYMNASIUM

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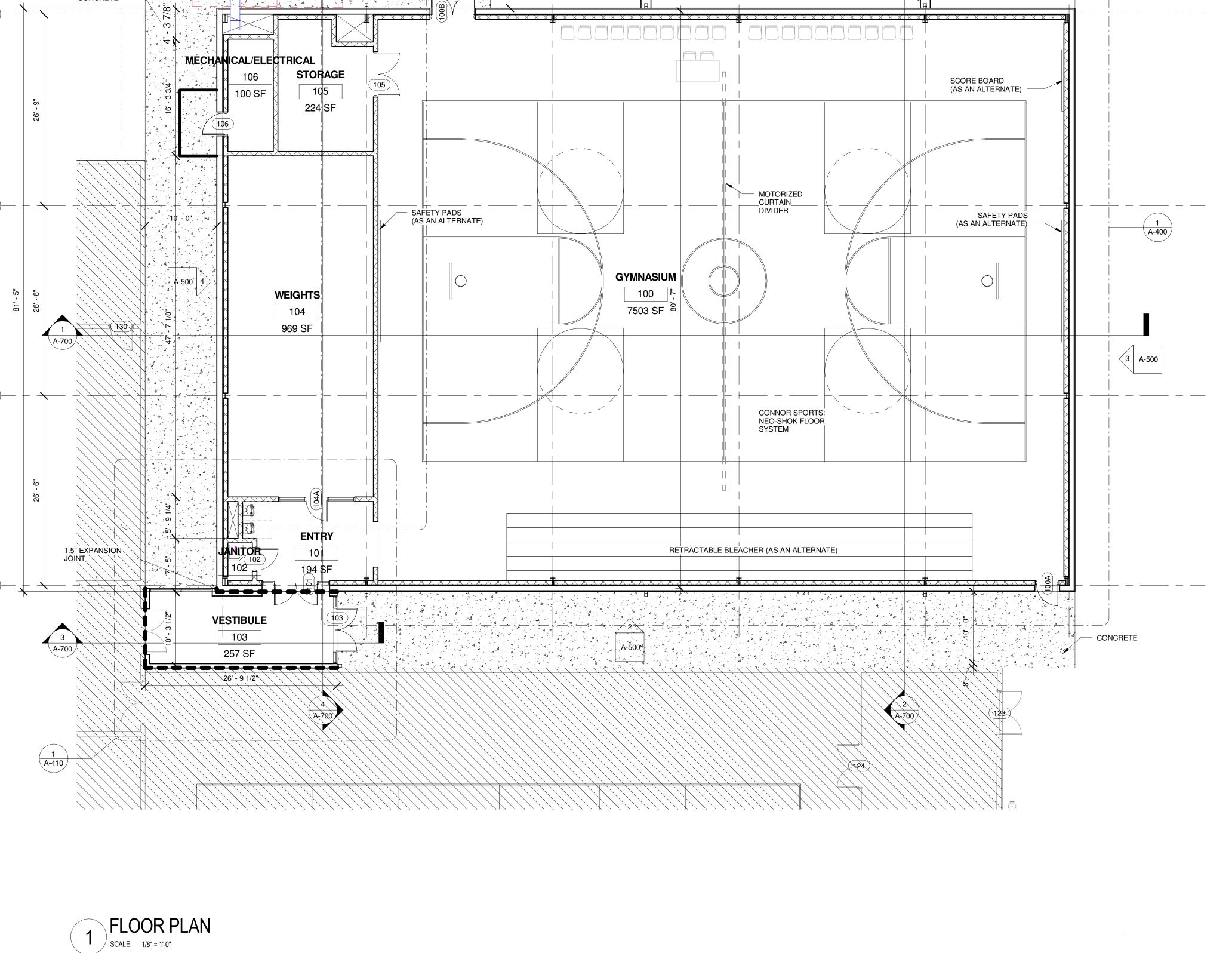
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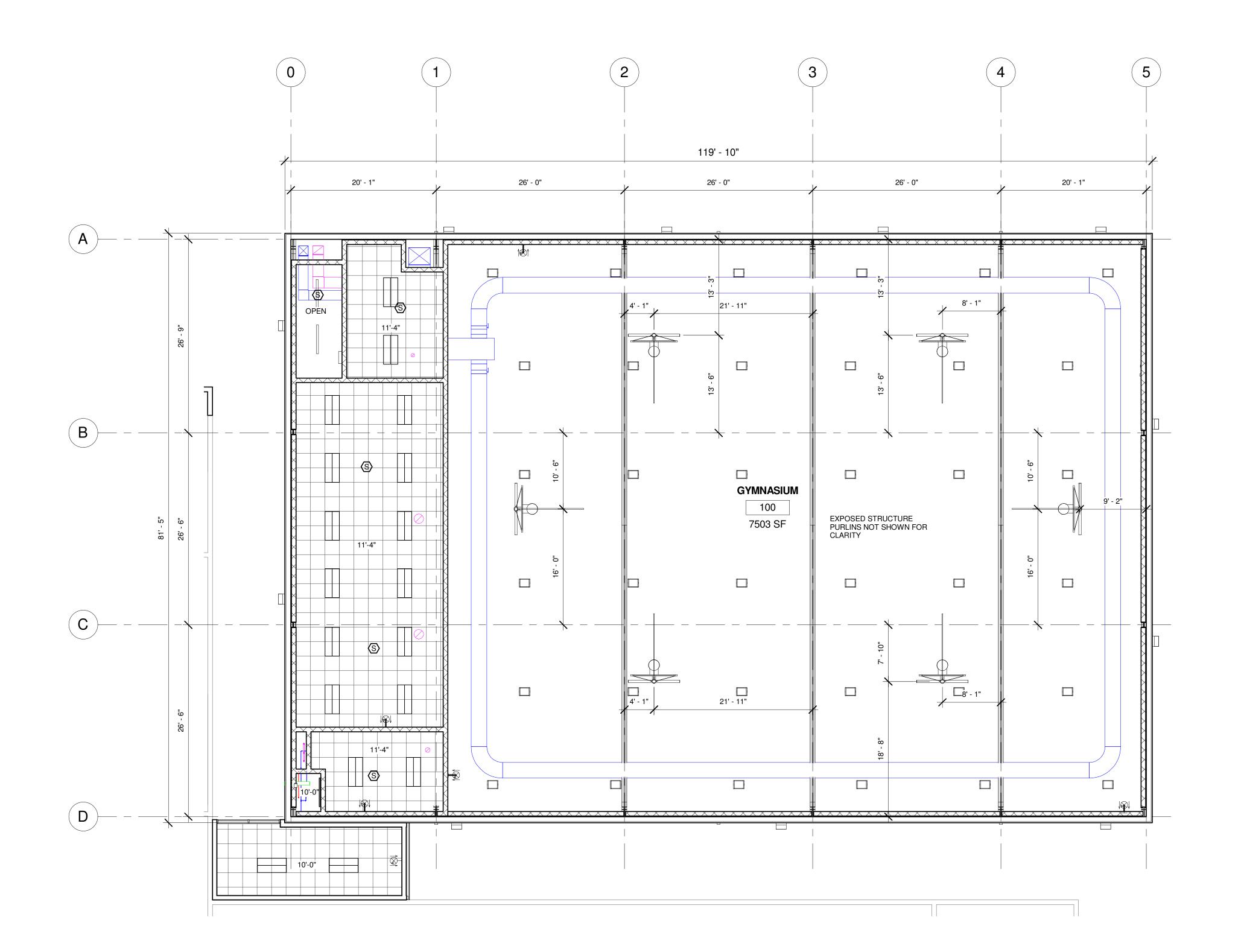
GYMNASIUM FLOOR PLAN

A-100



CEILING	CEILING TYPES								
	2' X 2' LAY-IN CEILING - 2'x2' ACT ON SUSPENDED CEILING SYSTEM @ 10'-0" A.F.F. (U.N.O)								
	EXPOSED CEILING								

RCP LEGEND							
CEILING MOUNTED LIGHT - SEE ELEC.							
	2x4 PARABOLIC LIGHT - SEE ELEC.						
	LED LIGHT - SEE ELEC.						
	EXTERIOR LIGHT PACK - SEE ELEC.						
	EXHAUST FAN - SEE MECH.						
	RETURN AIR - SEE MECH.						
	SUPPLY AIR - SEE MECH.						
NOTE: THIS DRAWING IS FOR GRAPHICAL FIXTURE LOCATION ONLY SEE ELECT. DRAWINGS FOR FIXTURE SCHEDULE.							



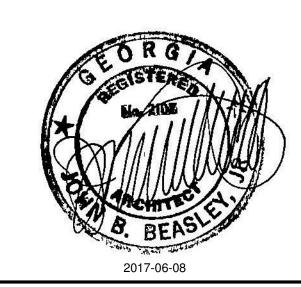
REFLECTED CEILING PLAN

1. SEE MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

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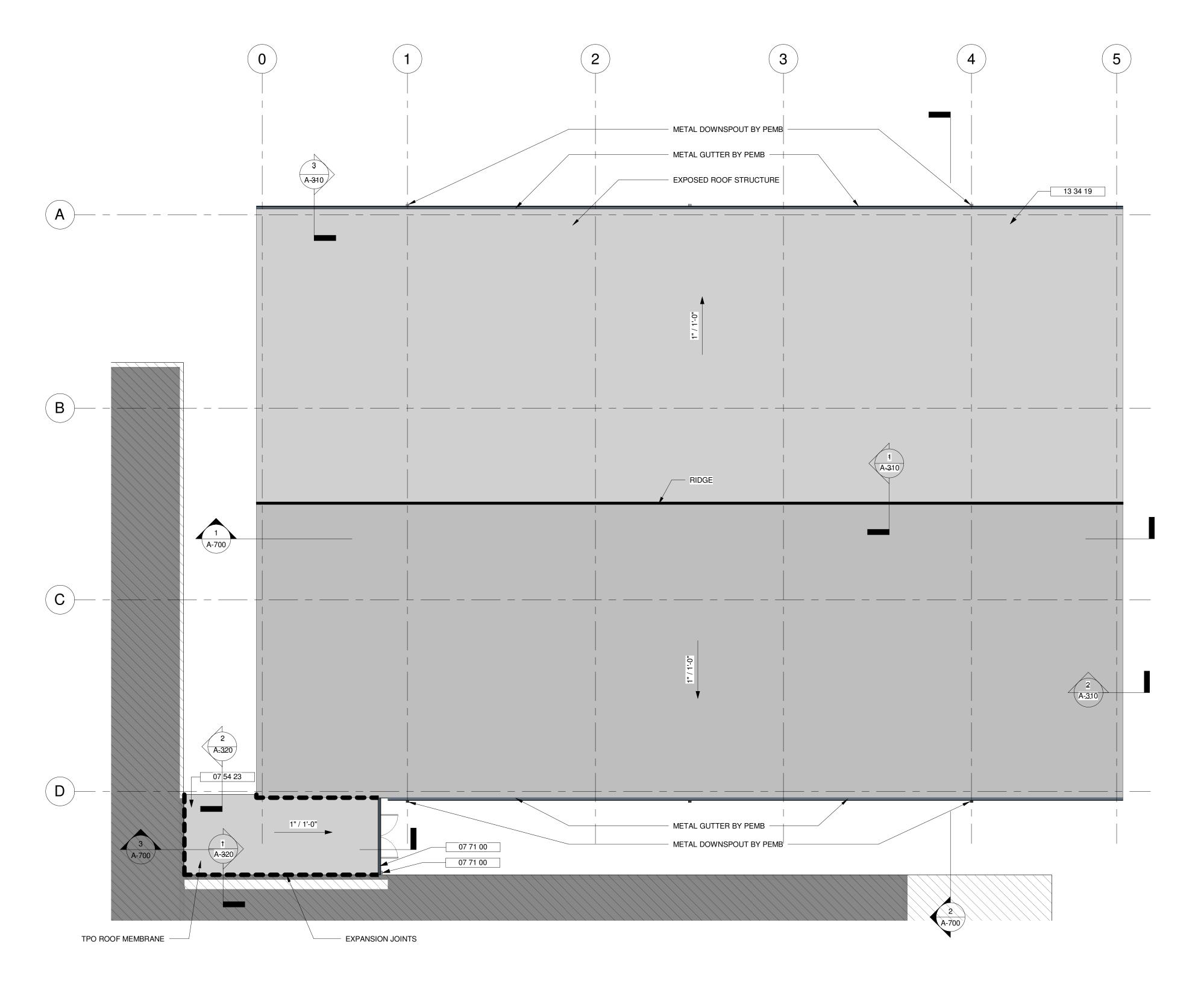
REFLECTED CEILING PLAN

Sheet No.

A-200

Keynote Legend						
Key Value Keynote Text						
07 54 23	TPO-Roof					
07 71 00	Roof Specialties					
	19 Metal Building Systems					

13 34 19 Metal Building Systems ASSOCIATES





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1781 EBENEZER ROAD

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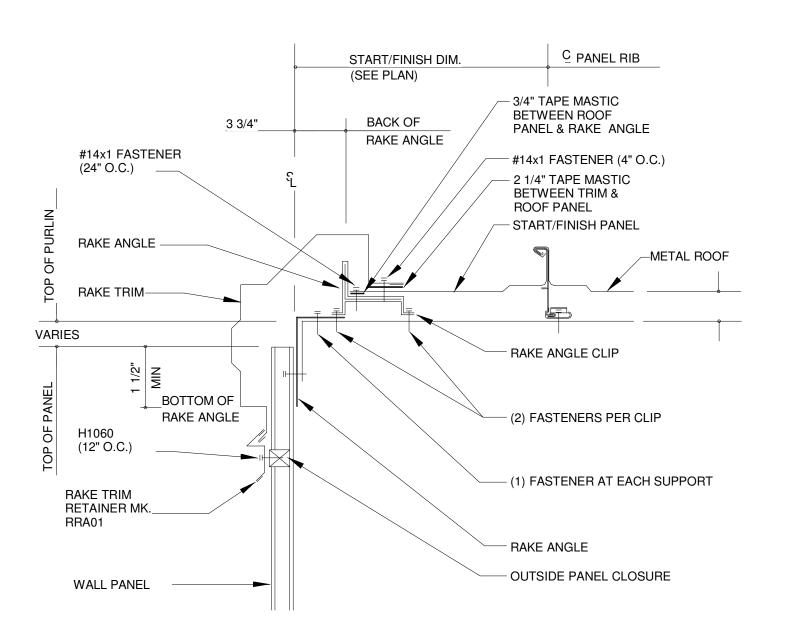
Date 06/29/2017 **Job No.** 1607008000

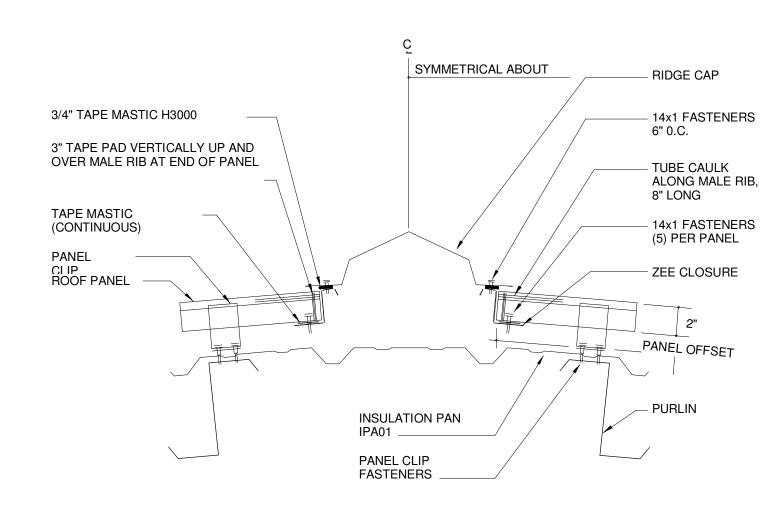
Sheet Title

ROOF PLAN

A-300

— 3" TAPE PAD VERTICALLY UP AND OVER MALE RIB TUBE CAULK ALONG MALE RIB, 6" LONG 1 1/2" TAPE 5 1/4" STEEL MASTIC - #14x1 FASTENERS (2)/HANGER #14x1 FASTENERS - 8" PRECUT TAPE MASTIC MK. (3 PER PANEL) H3640 (BETWEEN BRACKET AND PANEL, DIRECTLY UNDER FASTENERS) SHOWN N.S. GUTTER HANGER #14x1 — PANEL OFFSET **FASTENER** METAL ROOF - INSULATION RETAINER H2200 - 12" O.C. 1/2" TAPE MASTIC H3010 - EAVE PLATE WITH FASTENERS PER PANEL — EAVE STRUT SHOWN, GUTTER 6" x 5"— MEMBER VARIES EAVE FLASH W/ SCREWS — WALL PANEL





3 EAVE GUTTER DETAIL

SCALE: 12" = 1'-0"

2 RAKE DETAIL

SCALE: 12" = 1'-0"



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 Job No.

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Sheet Title

ROOF DETAILS

Sheet No.

A-310

USE APPROPRIATE— TERMINATION - FASTENER TPO MEMBRANE COMPRESSIBLE TUBE COMPRESSIBLE INSULATION WITH INSULATION RETAINER FASTENER WATER DAM PT WOOD NAILER TPO Membrane EDGE PROFILE — 2" METAL OR HD SEAM PLATE @ 12" (305 mm) O.C. MAX. ULTRAPLY TPO MEMBRANE WALL **FASTENER** ROOF INSULATION 2017 -06-08 100% CONSTRUCTION DOCUMENTS - WELDED SPLICE 2017 -06-29 BUILDING PERMIT SUBMISSION Revisions No. DATE ROOF INSULATION METAL DECK SUBSTRATE AS DRAWN - METAL DECK 1 EXPANSION JOINT DETAIL

SCALE: 12" = 1'-0" 2 RAKE EDGE AT ROOF DETAIL

SCALE: 1" = 1'-0" 06/29/2017 **ROOF DETAILS**

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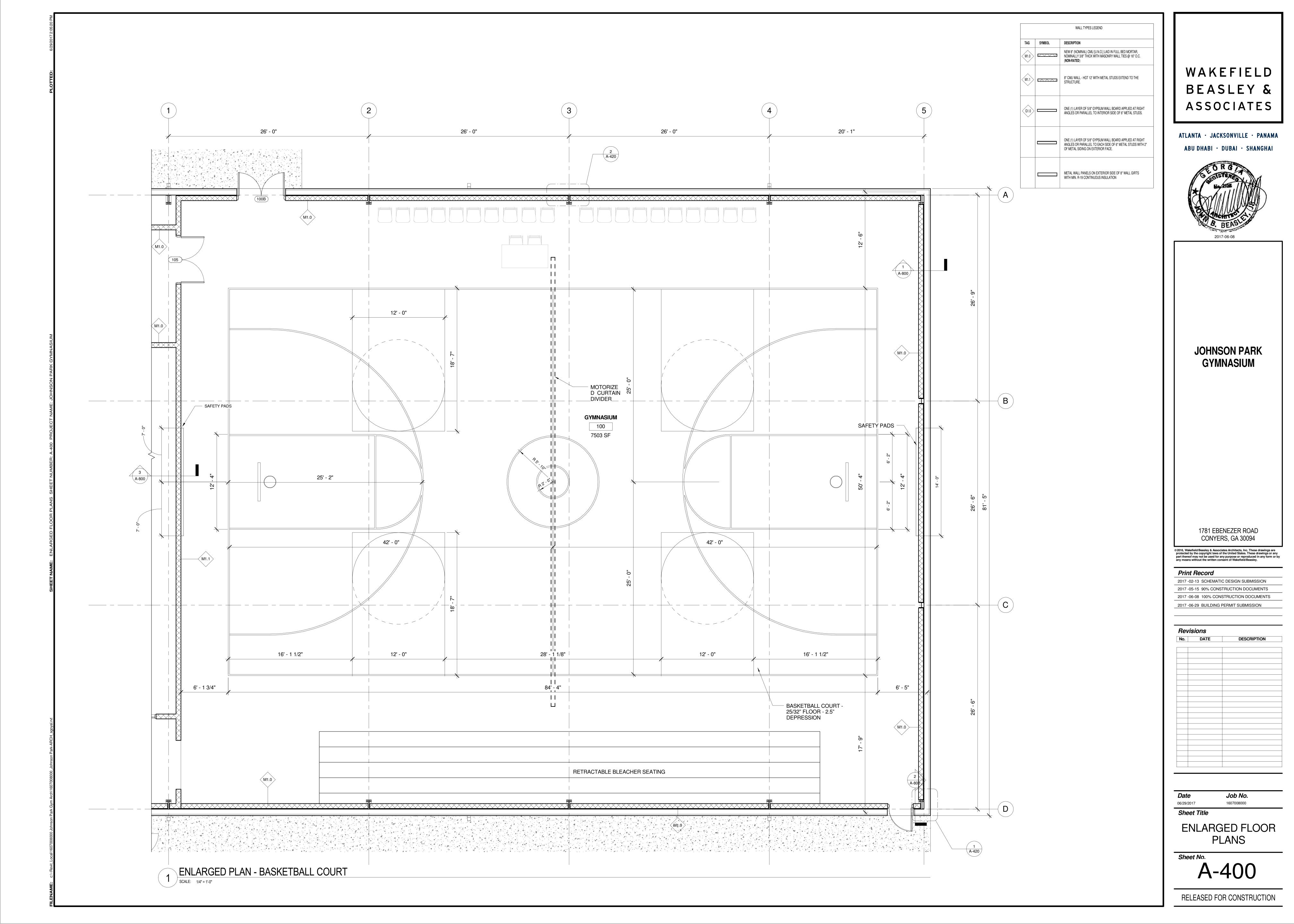
Print Record 2017 -02-13 SCHEMATIC DESIGN SUBMISSION 2017 -05-15 90% CONSTRUCTION DOCUMENTS

DESCRIPTION

Job No. 1607008000

Sheet Title

A-320



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1 ENLARGED PLAN - CONNECTOR
SCALE: 1/4" = 1'-0"

2 ENLARGED PLAN - WEIGHT ROOM & MAINTENANCE

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

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WALL TYPES LEGEND

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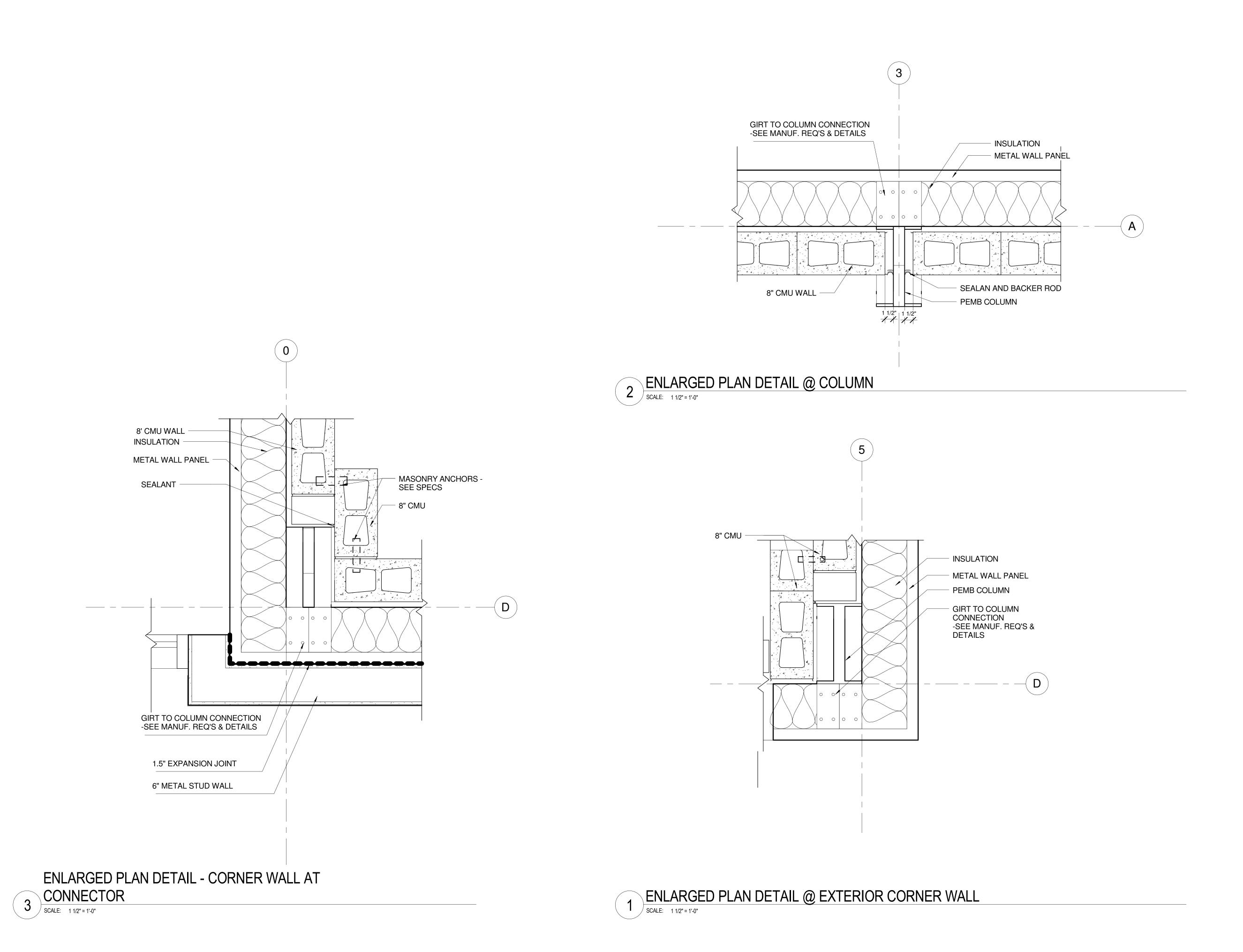
 06/29/2017
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Sheet Title

ENLARGED FLOOR PLANS

Sheet N

A-410



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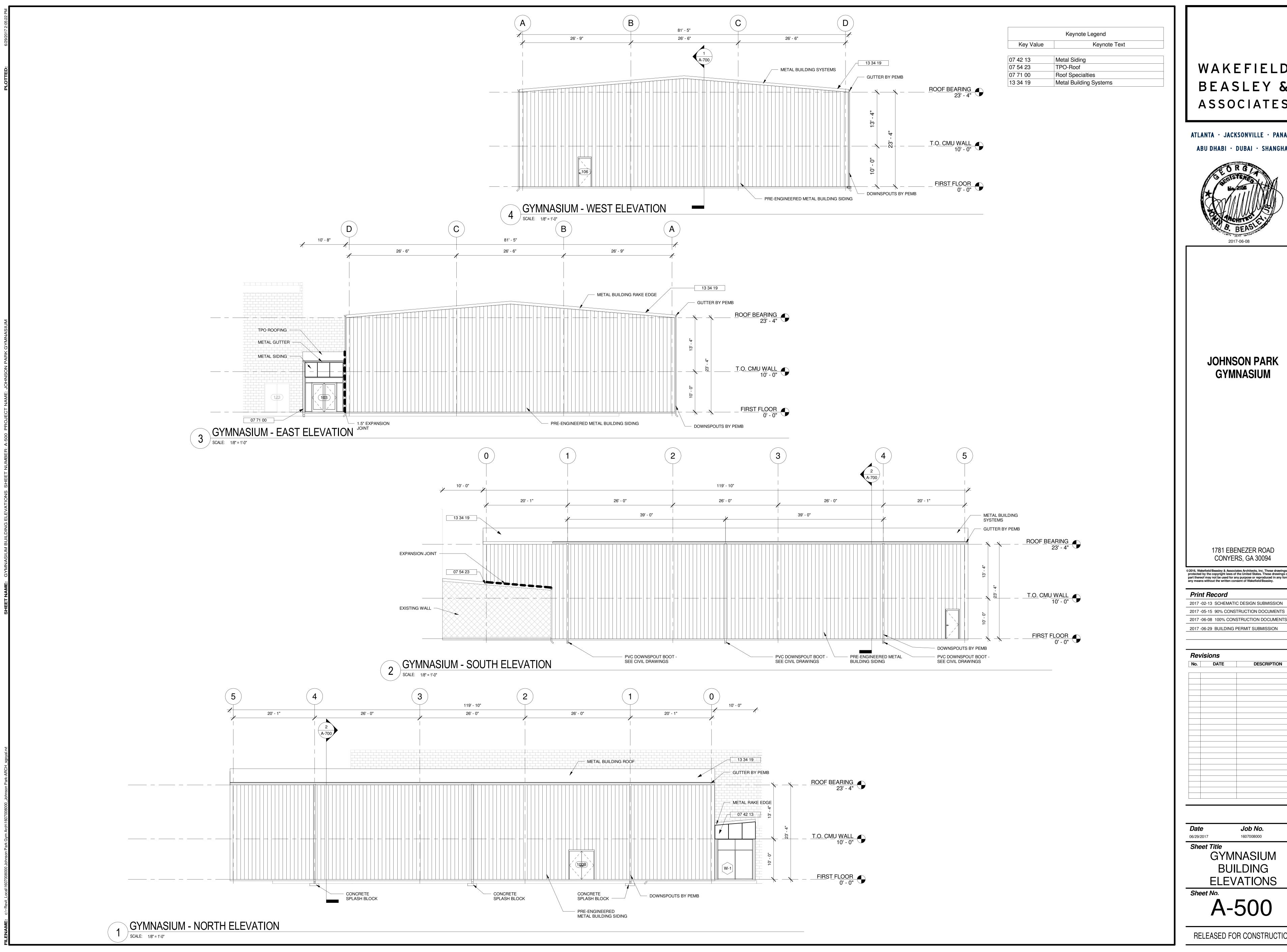
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Sheet Title

ENLARGED PLANS DETAILS

Sheet

A-420



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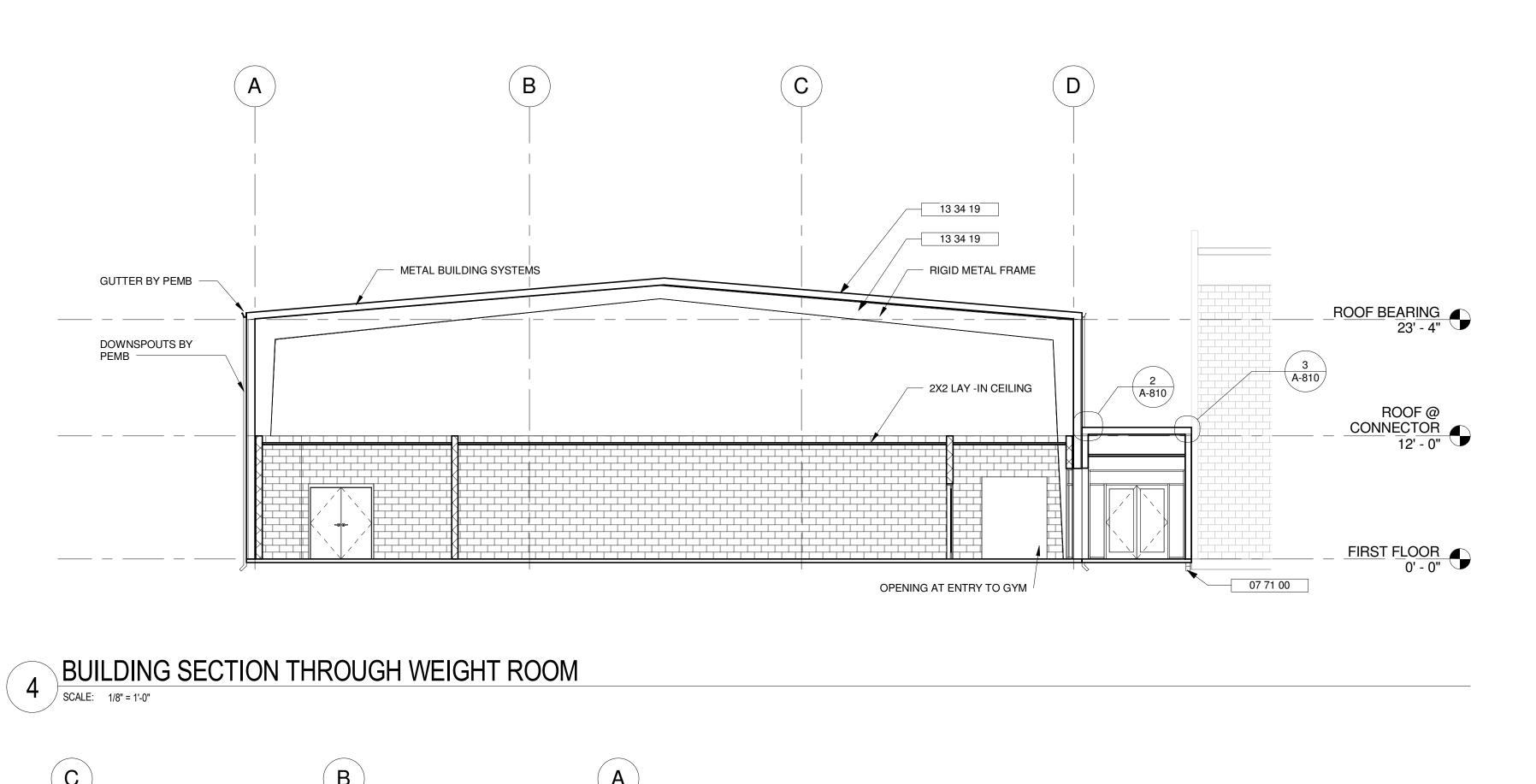
DATE

Job No. 1607008000

Sheet Title
GYMNASIUM BUILDING **ELEVATIONS**

Sheet No.

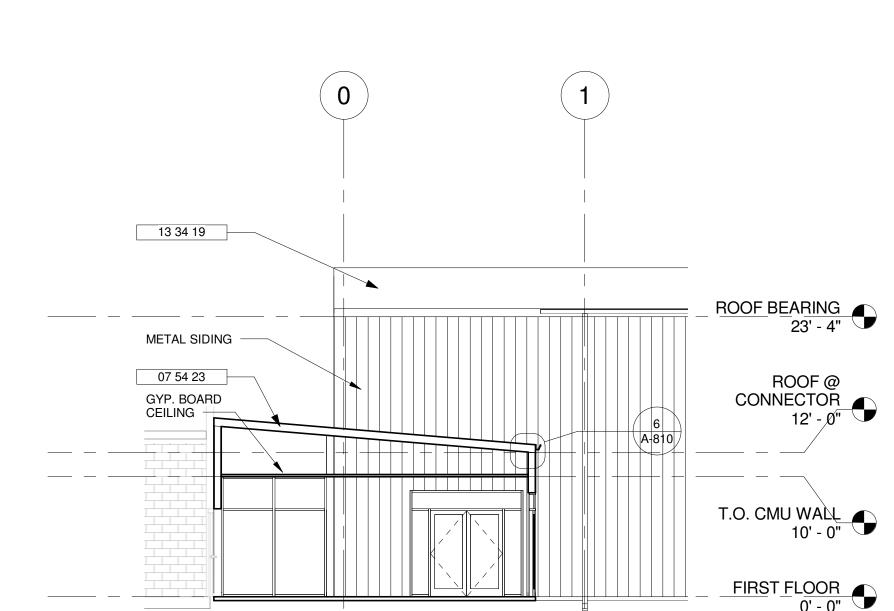
A-500



13 34 19

13 34 19

11 66 23



NORTH-SOUTH BUILDING SECTION2

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

ROOF BEARING
23' - 4"

ROOF @ CONNECTOR 12' - 0"

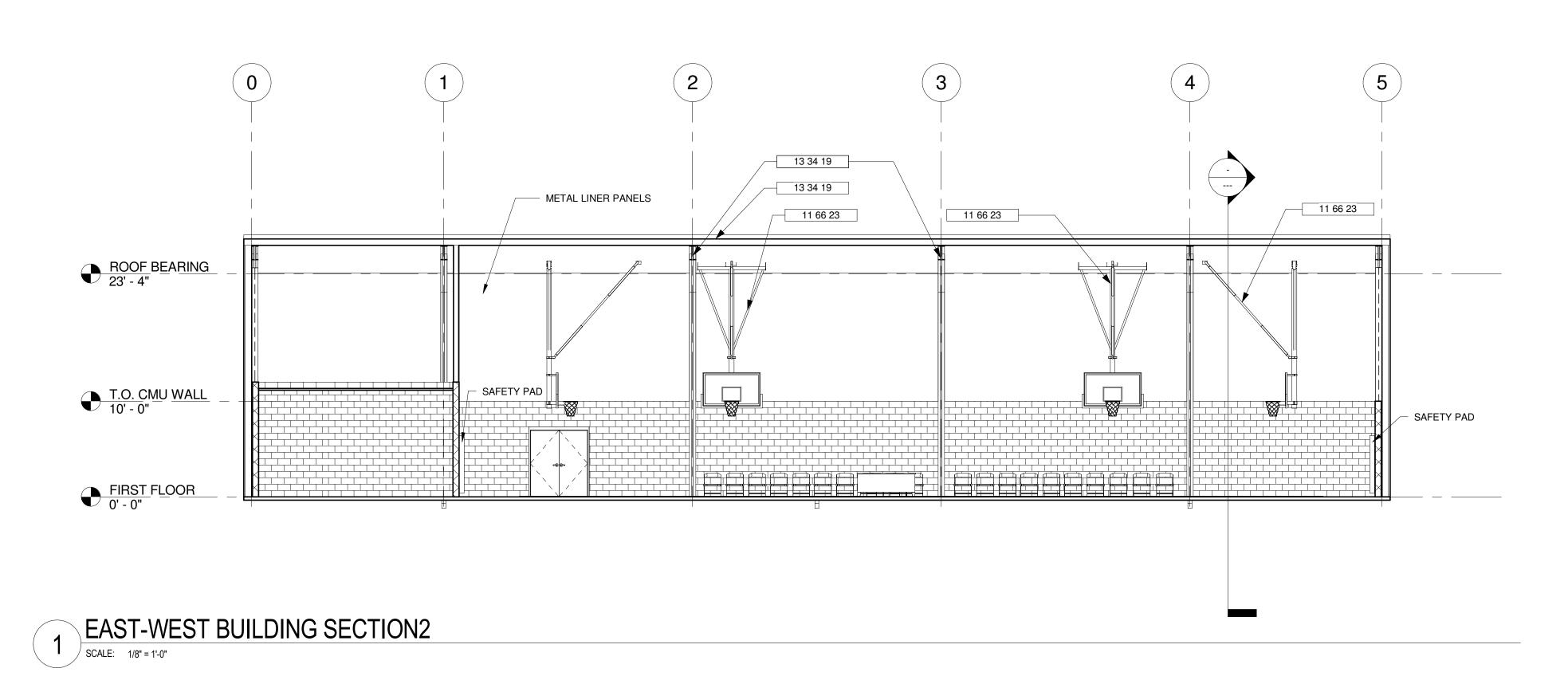
T.Ø. CMU WALL 10' - 0" 11 66 23

METAL LINER PANELS

- SAFETY PAD

3 BUILDING SECTION @ CONNECTOR

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



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Keynote Legend

Gymnasium Equipment
Metal Building Systems

TPO-Roof

Roof Specialties

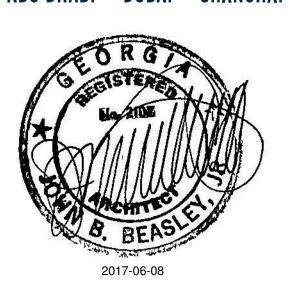
Key Value

07 54 23

11 66 23 13 34 19 Keynote Text

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 1607008000

Sheet Title

GYMNASIUM BUILDING SECTIONS

Sheet No.

A-700

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DESCRIPTION

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 Job No.

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Sheet Title

GYMNASIUM WALL SECTION

Sheet No.

A-800

2" METAL LINER
PLANELS
6" METAL STUD WALL
CAUK & BACKER ROD

8" CMU WALL,
HEIGHT -12'-0"

ENLARGED SECTION DETAIL - METAL STUD ON CMU

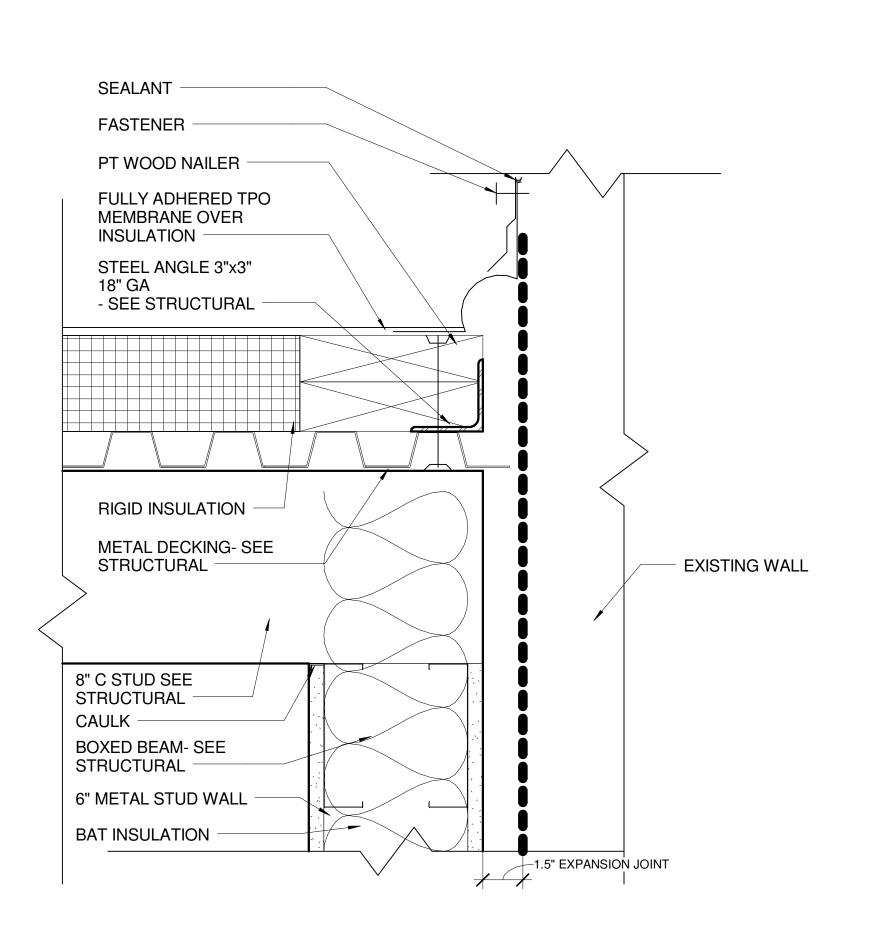
B" C-STUDS - SEE
STRUCTURAL
LIGHT GAUGE - METAL
STUD WALL
METAL STUD W/ BAT
INSULATION

B" C-STUDS - SEE
STRUCTURAL
LIGHT GAUGE - METAL
STUD WALL
METAL STUD W/ BAT
INSULATION

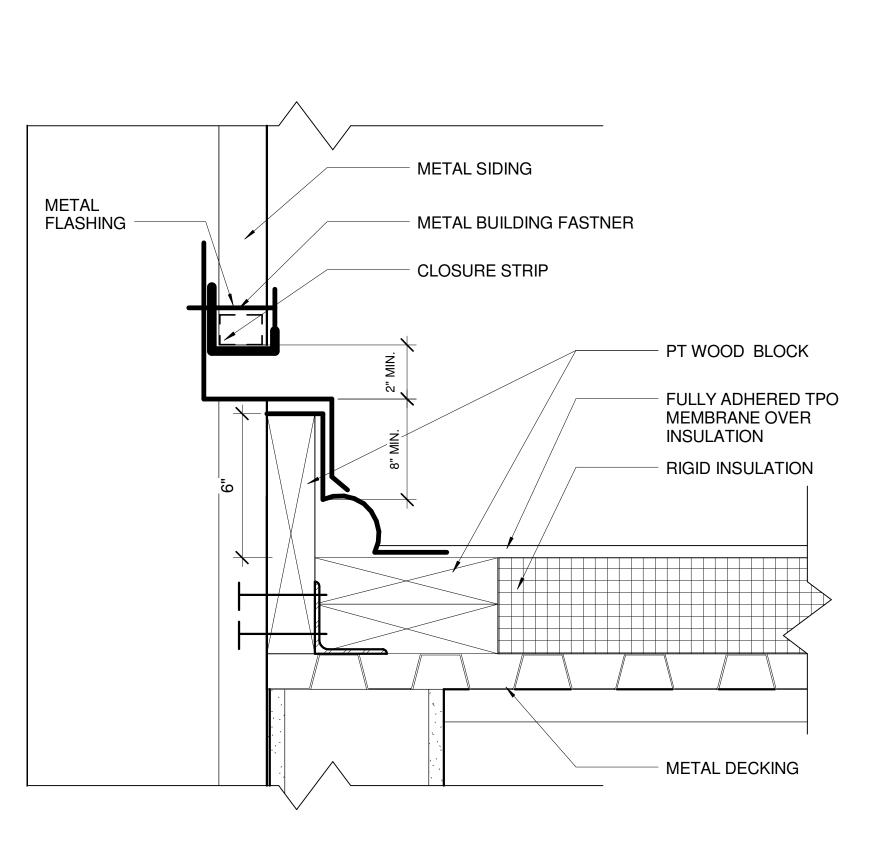
7/8" HAT CHANNEL
METAL PANEL

4 ENLARGED SECTION DETAIL - CONNECTOR ROOF EDGE

SCALE: 3" = 1'-0"

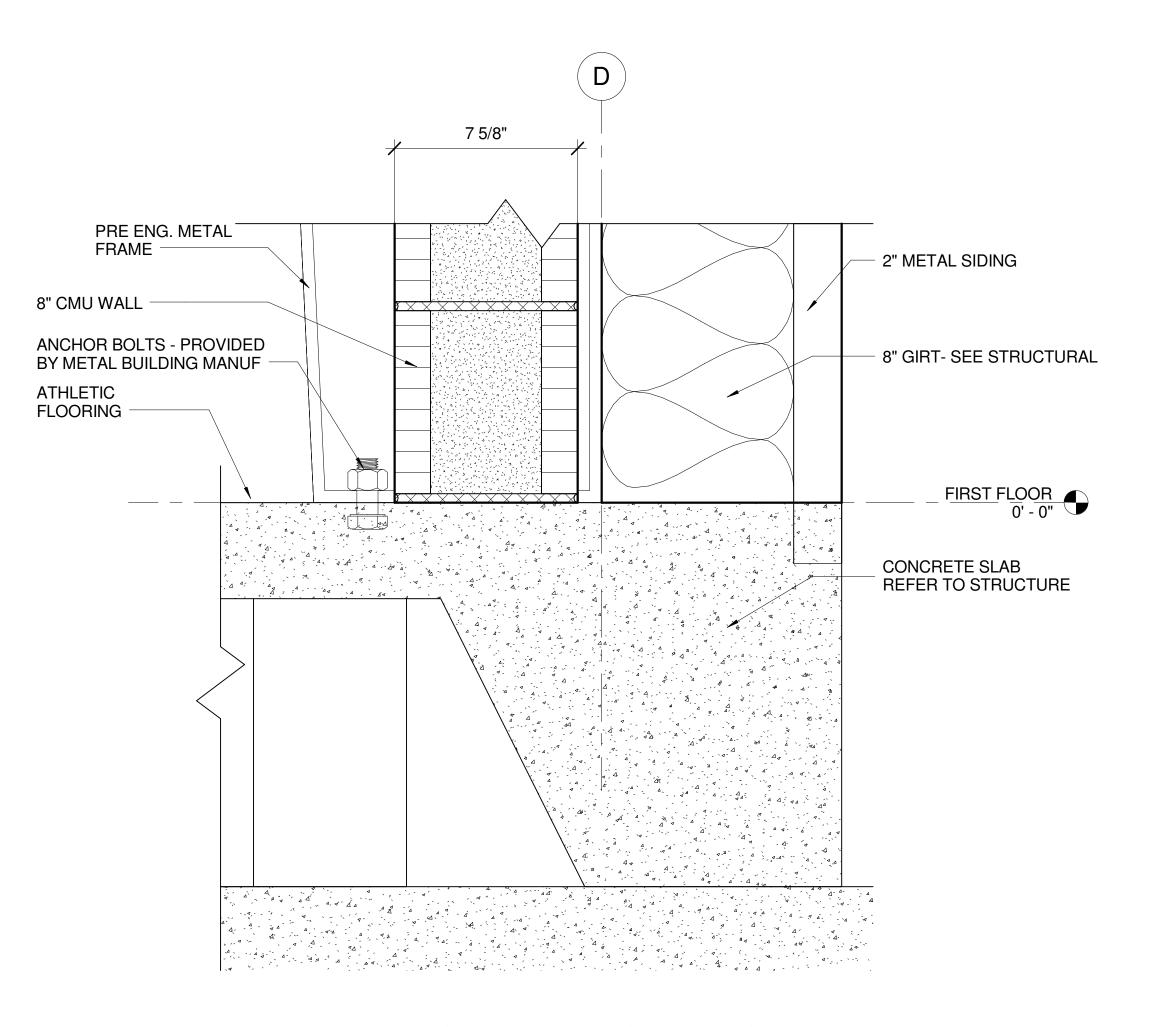


3 EXPANSION JOINT @ EXISTING BUILDING
SCALE: 3" = 1'-0"



2 ENLARGED DETAIL - ROOF EDGE AT PEMB GYM

SCALE: 3" = 1'-0"



1 ENLARGED SECTION DETAIL - FOUNDATION

SCALE: 3" = 1'-0"

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ATLANTA · JACKSONVILLE · PANAMA

ABU DHABI · DUBAI · SHANGHAI



JOHNSON PARK GYMNASIUM

1781 EBENEZER ROAD CONYERS, GA 30094

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Print Record

2017 -02-13 SCHEMATIC DESIGN SUBMISSION

2017 -05-15 90% CONSTRUCTION DOCUMENTS

2017 -06-08 100% CONSTRUCTION DOCUMENTS

2017 -06-29 BUILDING PERMIT SUBMISSIO

Revisions

No. DATE

DESCRIPTION

 Date
 Job No.

 06/29/2017
 1607008000

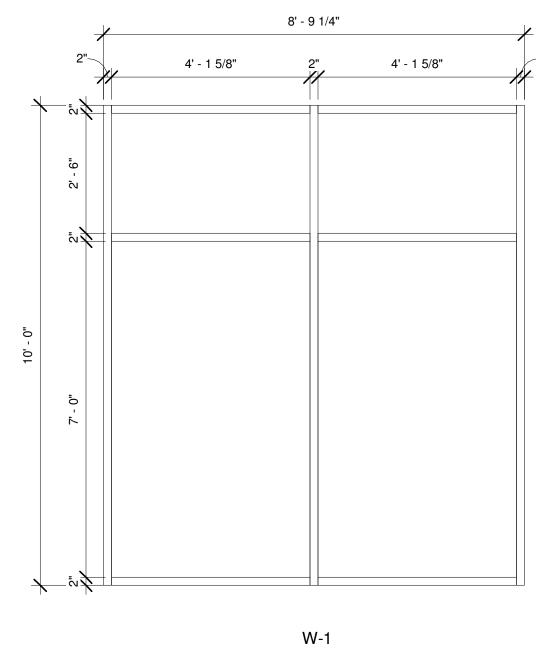
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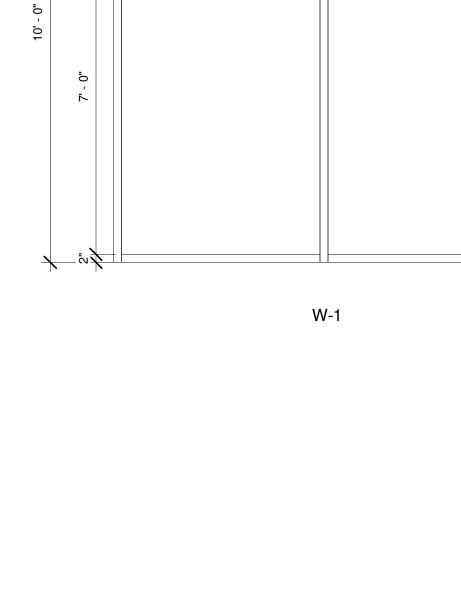
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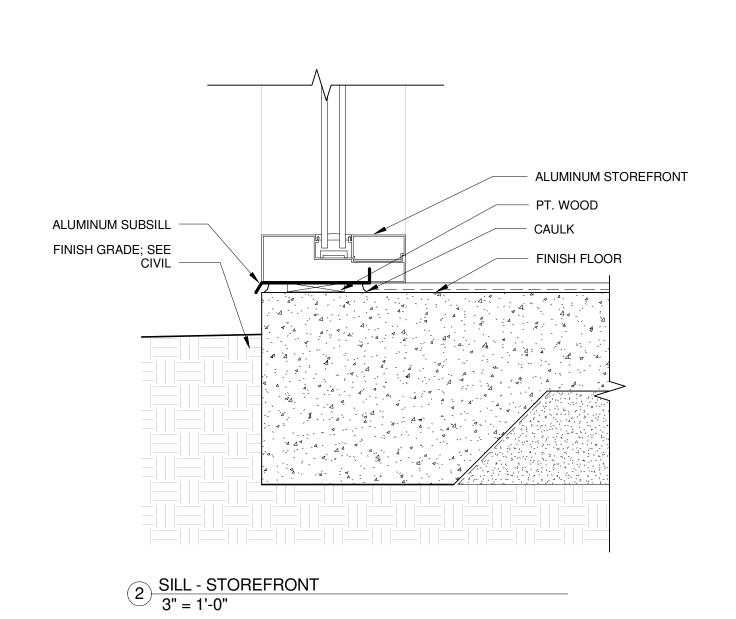
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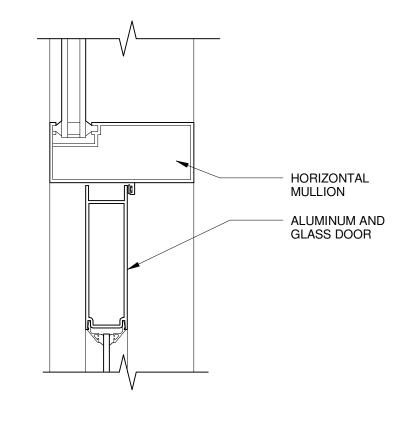
A-810

			WINI	DOW SCHEDULE				
Name	Frame Material	Finish	Height	Width	Head	Sill	Glazing Type	Comments
W-1	ALUM	ANOD	10' - 0"	8' - 9 1/4"	6/A-900	5/A-900	IG-1	

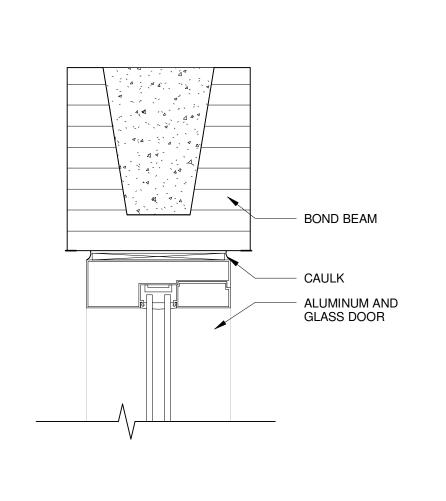




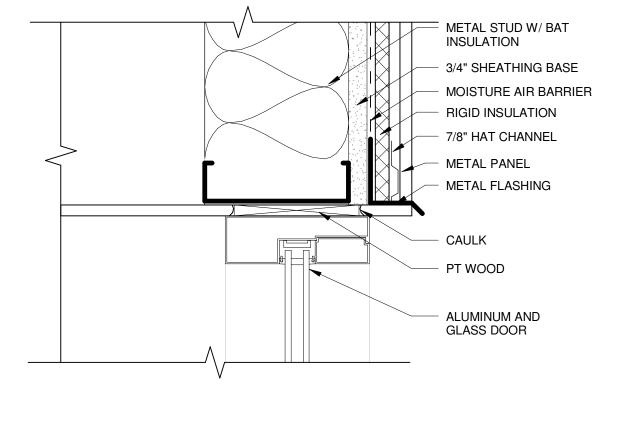




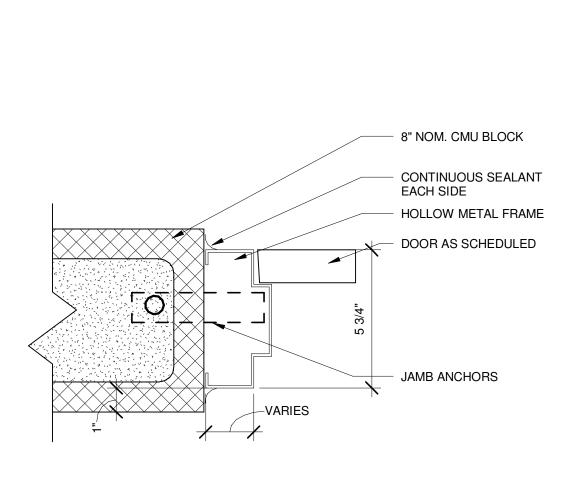




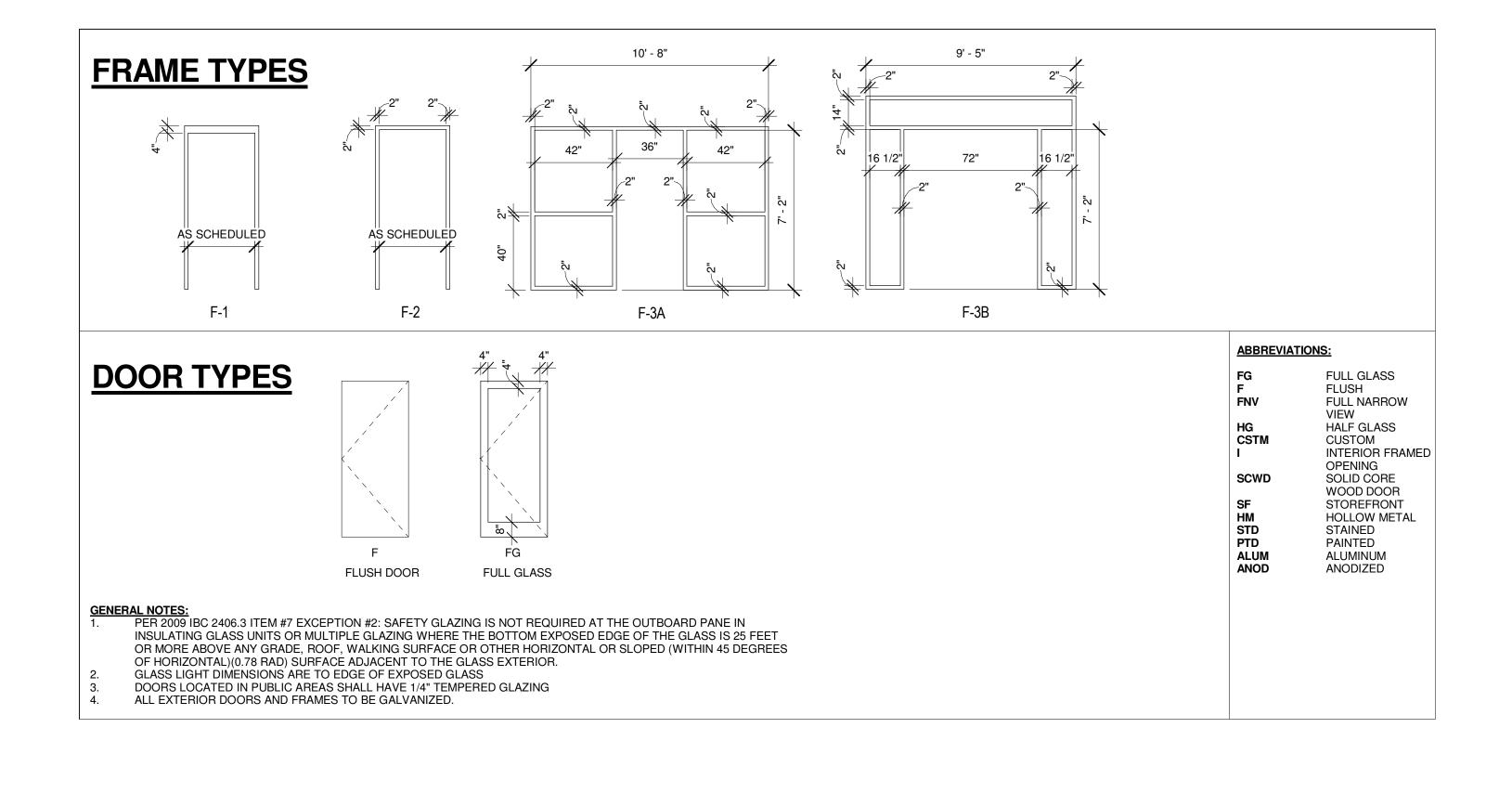
7 STOREFRONT @ CMU - DOOR HEAD 3" = 1'-0"

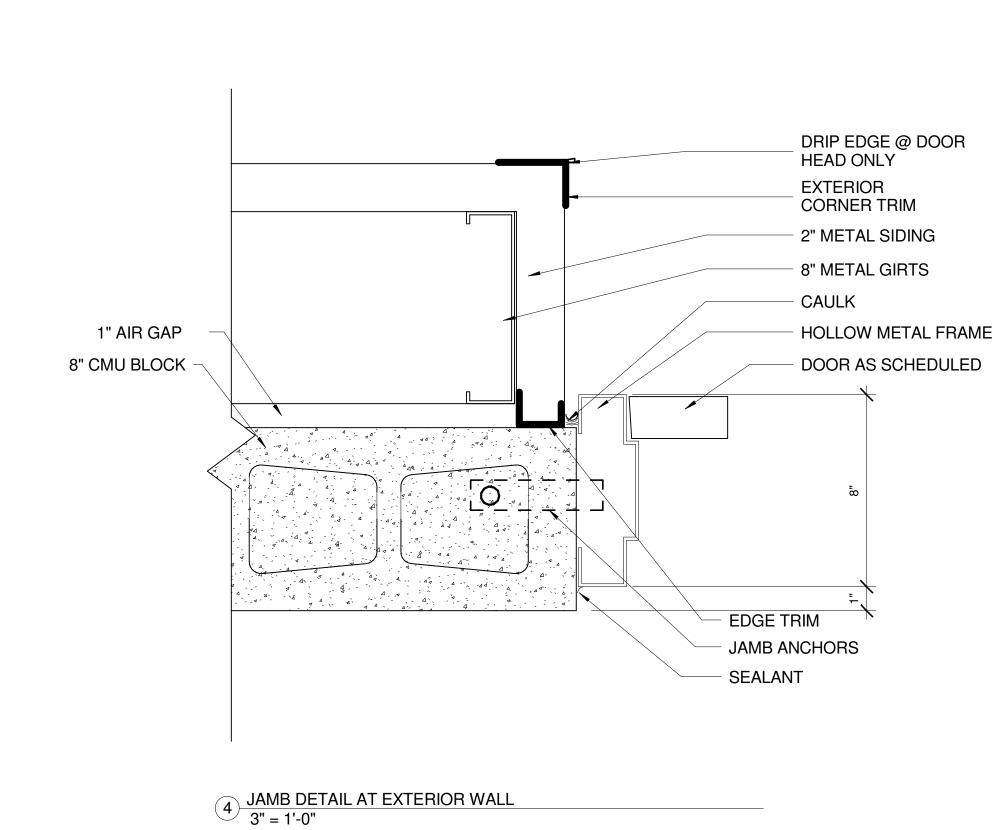






3" = 1'-0"





WAKEFIELD BEASLEY & ASSOCIATES

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Revisions								
No.	DATE	DESCRIPTION						

Date Job No. 06/29/2017 1607008000 Sheet Title
DOOR & WINDOW

SCHEDULES & DETAILS

Sheet No. A-900

FLOORING

LUXURY VINYL TILE FLOORING
TARKETT
LE: AZROCK STANDARD LVT
OR: TO BE SEI ECTED BY ARCHITECT

STYLE: AZROCK STANDARD LVT
COLOR: TO BE SELECTED BY ARCHITECT
SIZE: 12" X 12"
GAUGE: 1/8"
LOCATION: TO BE USED THROUGHOUT, UNO

SC-1: SEALED CONCRETE

(CONCRETE TO BE CLEANED AND SEALED)

DR.1. PLIBRED ELOOPING . NO RASE

B-1: RUBBER FLOORING - NO BASE

NEO: NEO FLOORING (ATHLETIC FLOORING) - NO BASE **WALLS**

P-1: GENERAL PAINT
MFR: SHERWIN WILLIAMS, BASIS OF DESIGN
COLOR: TO BE SELECTED BY ARCHITECT
FINISH: TWO (2) COATS LATEX

MTL: PRE-FINISHED METAL PANELS

PAINT SHEEN KEY A = FLAT B = EGGSHELL C = SEMI-GLOSS

E = SPECIAL/ SCRUBBABLE

CEILINGS

D = EPOXY

P-11: CEILING PAINT AT EXPOSED STRUCTURE MFR: SHERWIN-WILLIAMS, BASIS OF DESIGN COLOR: CEILING WHITE

TWO (2) COATS LATEX

ALL INTERIOR FINISH SPECIFICATIONS ARE INCLUDED HEREIN OR IN THE ATTACHED SPCIFICATIONS IF APPLICABLE. DISCREPANCIES, OMISSIONS AND DISCONTINUED OR DELAYED MATERIALS ARE TO BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY FOR RESOLOLUTION PRIOR TO PROCEEDING. THE DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR DISCREPANCIES OR OMISSIONS THAT ARISE DUE TO CHANGES BY ANOTHER PARTY AFTER INITIAL DRAWING ISSUANCE DATE UNLESS RECORDED AS A REVISION BY WB INTERIORS.

2 SUBSTITUTIONS OF FINISH MATERIALS MUST BE SUBMITTED IN WRITTEN FORM AND ACTUAL SAMPLES PROVIDED FOR REVIEW BY THE DESIGN PROFESSIONAL AND USER GROUP.
CONSTRUCTION PROFESSIONAL MUST RECEIVE APPROVAL SIGNATURE BEFORE PROCEEDING. REVIEW OF SUBSTITUITONS DUE TO A CHANGE IN THE ORIGINAL SCHEDULE OR BUDGET MAY BE CONSIDERED ADDITIONAL SERVICES.

3 CONSTRUCTION PROFESSIONAL WILL PROVIDE AND INSTALL ALL ITEMS REQUIRED TO

CONSTRUCTION PROFESSIONAL WILL PROVIDE AND INSTALL ALL ITEMS REQUIRED TO RESTORE BASE BUILDING CORRIDOR FINISHES WHEN DEMOLITION AND CONSTRUCTON AFFECTS THESE AREAS. CONSULT USER GROUP REGARDING BUILDING SPECIFICATIONS AND STOCK OF THESE ITEMS.

INSTALL ALL FINISH MATERIALS ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

REMEDIATION OF MOISTURE IN THE CONCRETE, AS IT RELATES TO THE FLOORING MATERIAL AND ITS INSTALLATION MUST BE STRICTLY ADHERED TO IN ORDER TO AVOID RISK OF VOIDING WARRANTEE

5 ONLY ONE DYE-LOT OF EACH STYLE AND COLOR SPECIFIED IN THE FINISH SCHEDULE SHALL

REMOVE FINISH MATERIALS FROM PACKING AND ALLOW TO ACCLIMATIZE TO AREA OF INSTALLATION ACCORDING TO MANUFACTURER'S SPECIFICAITONS.

ALL SURFACES WHICH ARE TO RECEIVE A FINISH APPLICATION SHALL BE COMPLETELY SMOOTH FOR SCHEDULE FINISH MATERIAL. REPAIR EXISTING CONDITIONS AS REQUIRED. ALL MISCELLANEOUS GRILLES, PLATES, ETC. OCCURING ON WALLS OR CEILINGS ARE TO BE

FINISHED TO MATCH WALL OR CEILING ON WHICH THEY OCCUR. CONSULT DESIGN PROFESSIONAL ON FINAL FINISH.

ALL PAINTED SURFACES ARE TO RECEIVE ONE PRIME COAT AND A MINMUM OF TWO FINISH COATS. APPLY ADDITIONAL COATS OF PRIME AND FINISH PAINT AS REQUIRED UNTIL EXISTING UNDERCOAT OR OTHER CONDITIONS ARE FULLY CONCEALED AND PAINT FILM IS OF A UNIFORM FINISH, COLOR AND APPEARANCE. REFER TO PAINT MANUFACTURER'S PAINTING SYSTEM GUIDE FOR CLARIFICATION.

10 PAINT FOR DOOR FRAMES AND DOORS WHEN APPLICABLE, WILL BE SHERWIN WILLIAMS PRO-CLASSIC WATERBORNE ACRYLIC SEMI-GLOSS B-31 SERIES, BASIS OF DESIGN.

11 NOT USED

12 COVER PLATES ON DEVICES TO BE TAMPER-RESTAINT THROUGHOLIT: FINISH TO BE

COVER PLATES ON DEVICES TO BE TAMPER-RESTAINT THROUGHOUT; FINISH TO BE STAINLESS STEEL WITH WHITE RECEPTACLES.

NOT USED

14 NOT USED

NOT USED NOT USED

FLOORING TRANSITIONS WILL OCCUR UNDER CENTERLINE OF DOOR IN CLOSED POSITION., U.N.O.
WHERE FLOORING MATIERALS OF DIFFERING THCKNESSES MEET, LEVEL AS REQUIRED TO MEET ADA GUIDELINES AND SMOOTH AS REQUIRED.

NOT USED
 INSTALL REDUCER STRIPS WHERE CARPET/ RESILIENT FLOORING/ CERAMIC TILE MEET

SEALED CONCRETE.

1 NOT USED

NOT USED
ALL AREAS TO RECEIVE CARPET, RUBBER BASE, EGGSHELL WALL PAINT AND SEMI-GLOSS DOOR FRAME, U.N.O.
ALL WET WALLS TO RECEIVE CERAMIC TILES TO HAVE CEMENT BACKER BOARD

SUBMIT SAMPLES OF ALL FINISH MATERIALS TO THE DESIGN PROFESSIONAL FOR APPROVAL PRIOR TO ORDERING MATERIALS AND COMMENCING WORK. SUBMIT ACTUAL COLOR AND FINISH OF PAINT ON 8-1/2" X 11" SAMPLES. WALLCOVERING SAMPLES MUST BE CUT FROM ACTUAL ROLL TO BE USED FOR INSTALLATION. SAMPLES OF NATURAL STONE OR OTHER MATERIAL WITH WIDE VARIATIONS SHALL COME FROM ACTUAL MATERIAL TO BE USED.

PREPARE SURFACES FOR ACCEPTING OF FINISHES PER MANUFACTURER'S
RECOMMENDATIONS.
WHEN BASE IS CONTINUOUS OR TRANSITIONED ON AN OUTSIDE CORNER WHERE FLOOR
MATERIALS OF DIFFERENT THICKNESSES OCCUR, SET BASE ON TOP OF LOWER FLOORING

MATERIAL AND TRIM THE BOTTOM OF BASE AT THE HIGHER FLOORING SUCH THAT IT IS BOTH TIGHT TO THE FLOORING AND ALIGNS WITH THE BASE AT THE LOWER FLOORING AT THE TOP EDGE. NOTE: WOOD BASE TO BE INSTALLED AFTER FLOORING IS INSTALLED.

PROVIDE BLOCKING IN AREAS DESIGNED TO RECEIVE OVERHEAD CABINETS.

9 NOT USED

NOT USED NOT USED

32

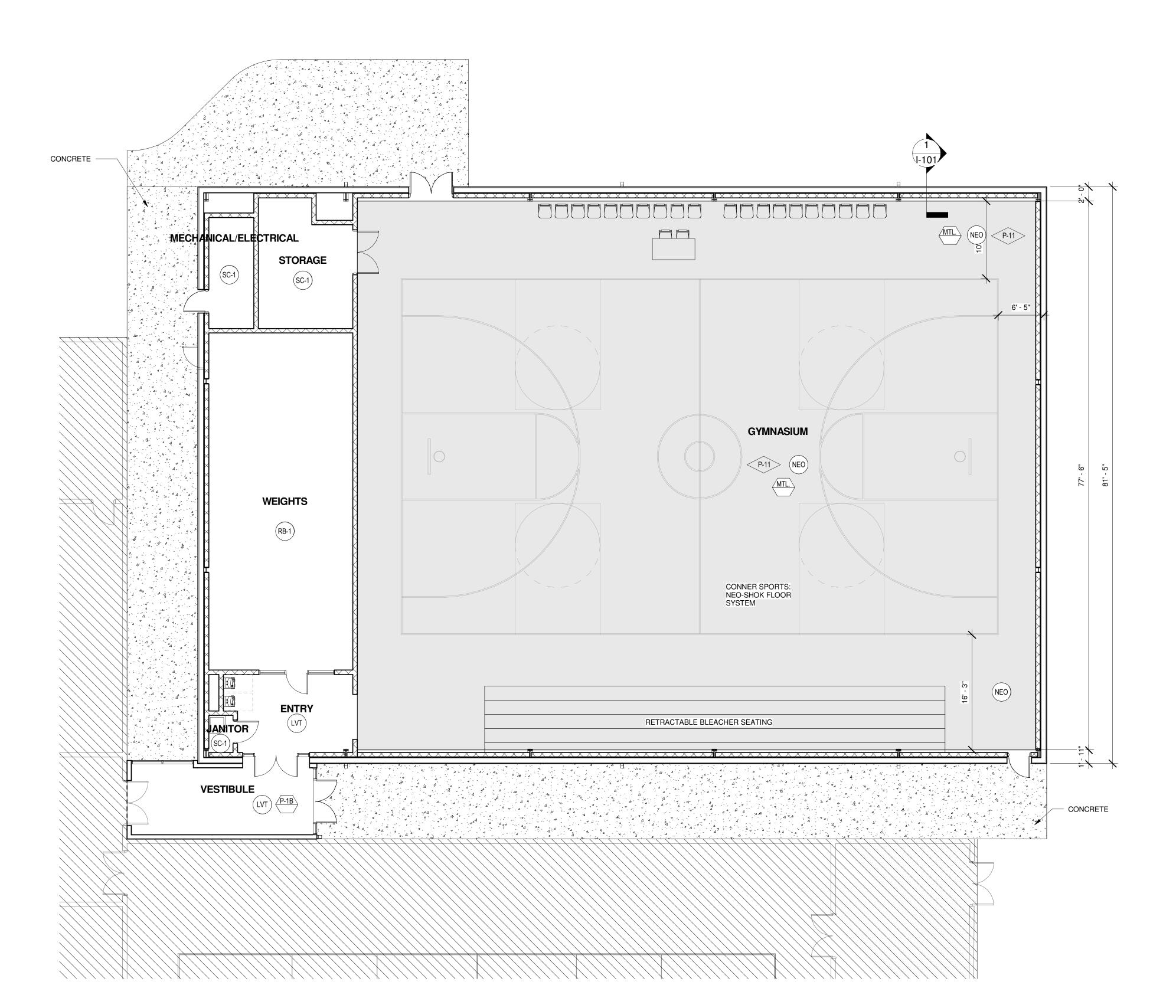
NOT USED NOT USED

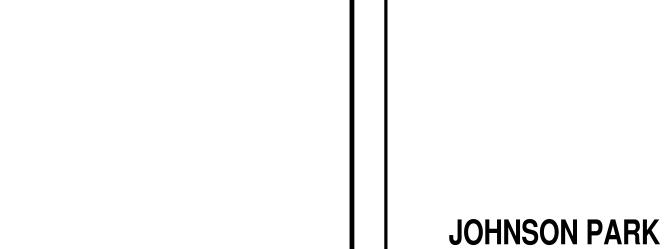
33 NOT USED
34 FOR AREAS RECEIVING CARPET OR RESILIENT FLOORING OR ATHLETIC FLOORING, PRIOR TO FLOORING INSTALLATIONS, MOISTURE CONDITIONS MUST BE DETERMINED IN ONE OF TWO MANNERS: 1) IN-SITU RH TEST METHOD (ASTM F2170). MOISTURE CONDITIONS MUST NOT EXCEED 85% RH. 2) CALCIUM CHLORIDE TEST METHOD (ASTM F1869). EMISSION RATES MUST NOT EXCEED 5.0 LBS/ 1000 SF/ 24 HOURS. NOTE: SHOULD TEST RESULTS EXCEED MANUFACTURER REQUIREMENTS, MANUFACTURER RECOMMENDS A SEALER. REFER TO MANUFACTURER'S RECOMMENDATION AS TO HOW TO REMEDIATE MOISTURE IN CONCRETE. NOTE: CONSTRUCTION PROFESSIONAL TO DOCUMENT AND MAINTAIN RECORDS. REFER TO MANUFACTURER'S DOCUMENTS TO DETERMINE APPROPRIATE METHOD TO ENSURE

PROVIDE 2" ALUMINUM WINDOW BLINDS AT ALL EXTERIOR OPENINGS, BY HUNTER DOUGLAS BASIS OF DESIGN.

NOT USED

37 NOT USED 38 NOT USED





1-1/2" EXPANSION

25/32' HARD MAPLE

2 LAYERS 15/32" APA

RATED PLYWOOD

- VAPOR BARRIER

FLOORING

JOINT

CONCRETE SLAB

2 FLOOR DETAIL - Neo Shock Connor Sports 12" = 1'-0"

FINISH SCHEDULE

FLOOR FINISH

CEILING FINISH

EXISTING FINISH

NOT IN SCOPE

REFER TO SHEET I-001-G FOR FINISH PLAN KEY NOTES

TRANSITION STRIP

1781 EBENEZER ROAD CONYERS, GA 30094

WAKEFIELD

BEASLEY &

ASSOCIATES

ATLANTA · JACKSONVILLE · PANAMA

ABU DHABI · DUBAI · SHANGHAI

2017-06-08

GYMNASIUM

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Revis	Revisions								
No.	DATE	DESCRIPTION							
-									

 Date
 Job No.

 06/29/2017
 1607008000

 Sheet Title

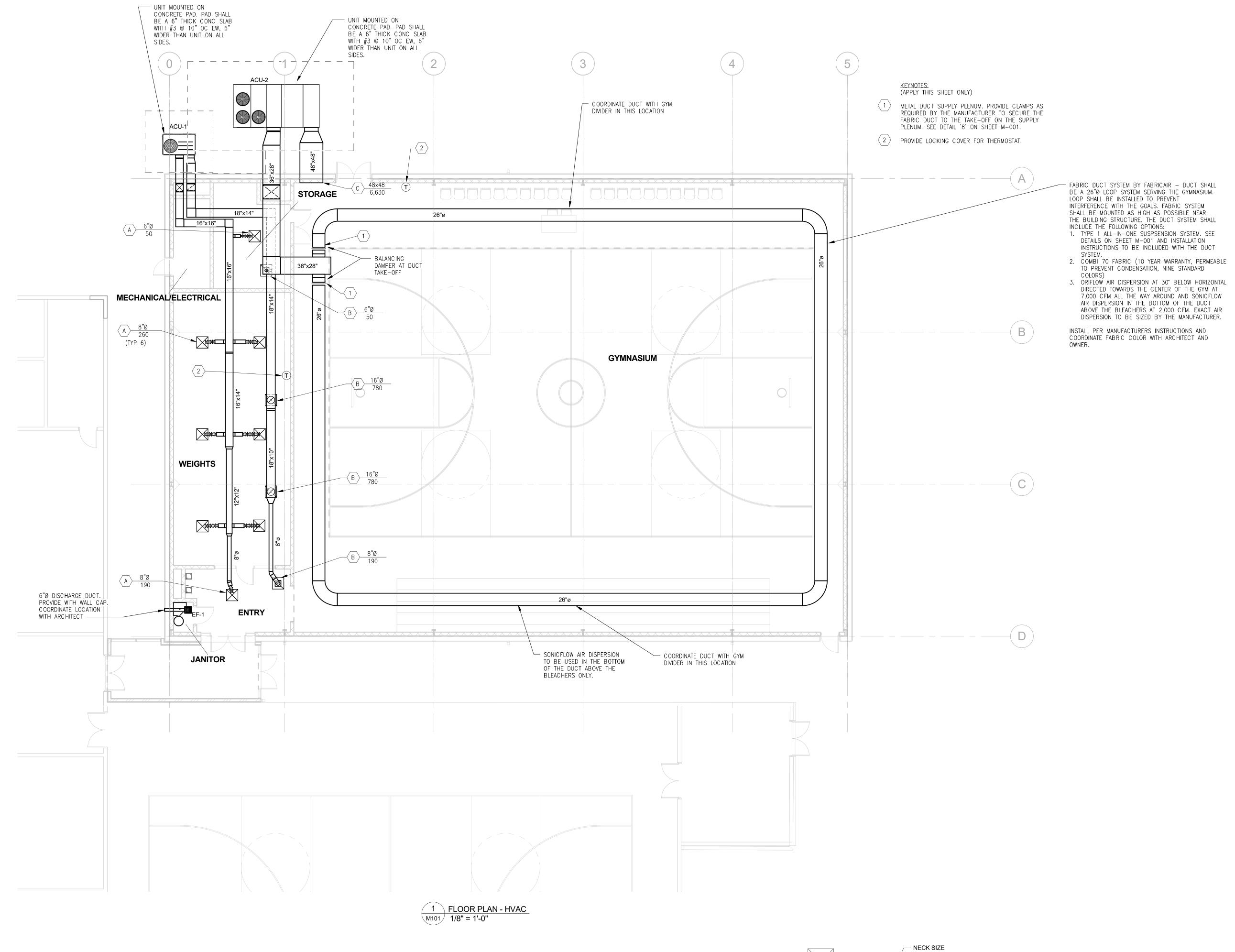
FINISH PLAN -GYMNASIUM

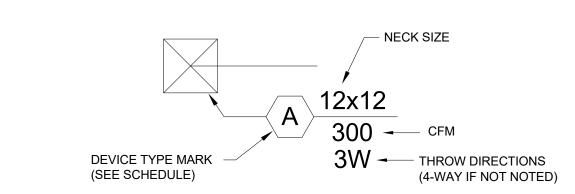
Sheet No. I-101-G

RELEASED FOR CONSTRUCTION

1 FLOOR PLAN

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





AIR DISTRIBUTION DEVICES KEY

	NO SCALE
	AIR DISTRIBUTION SCHEDULE
MARK	DESCRIPTION
A	LOUVERED FACE S/A DIFFUSER: TITUS MODEL TDC-AA, NOMINAL 24" x 24" PANEL SIZE, WITH AIR BALANCING DAMPER. FRAME SUITABLE FOR LAY-IN T-BAR CEILING. ALUMINUM CONSTRUCTION. NOTES 1, 2, 3, 4. PROVIDE ROUND NECK OR SQUARE NECK AS REQUIRED BY THE APPLICATION SEE PLANS.
(B)	PERFORATED FACE R/A DIFFUSER: TITUS MODEL PAR, NOMINAL 24" x 24" PANEL SIZE, WITH AIR BALANCING DAMPER. FRAME SUITABLE FOR LAY-IN T-BAR CEILING. ALUMINUM CONSTRUCTION. NOTES 1, 2, 3, 4. PROVIDE ROUND NECK OR SQUARE NECK AS REQUIRED BY THE APPLICATION SEE PLANS.
(C)	SIDEWALL RETURN AIR GRILLE: TITUS MODEL 350R ALUMINUM CONSTRUCTION. NOTES 1, 2, 3, 4. PROVIDE ROUND NECK OR SQUARE NECK AS REQUIRED BY THE APPLICATION SEE PLANS.

- 1. ALL DIFFUSERS, GRILLES & REGISTERS SHALL HAVE A BAKED OFF-WHITE ENAMEL FINISH.
- 2. LISTED SIZE ON DRAWING IS NECK SIZE. 3. OR EQUAL BY METALAIR OR OTHER AS PRE-APPROVED BY OWNER.
- 4. VERFIY/COORDINATE FRAME TYPE WITH ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO ORDERING.

WAKEFIELD BEASLEY & ASSOCIATES

ATLANTA · JACKSONVILLE · PANAMA ABU DHABI · DUBAI · SHANGHAI



ROCKDALE COUNTY RECREATION AND MAINTENANCE DEPARTMENT

Print Record 5/3/2017 REVIEW SET 2017-05-15 90% CONSTRUCTION DOCUMENTS 2017-06-08 100% CONSTRUCTION DOCUMENTS 2017-06-29 BUILDING PERMIT SUBMISSION

Revis	sions	
No.	DATE	DESCRIPTION

Checked By Drawn By Job No. 1607008000 06/08/2017

Sheet Title

GEI GRIFFITH ENGINEERING

4360 CHAMBLEE DUNWOOD ROAD

http://griffitheng.com | 770.451.6757 GEI Project # 16066

GRIFFITH ENGINEERING

SUITE 210 ATLANTA, GEORGIA **HVAC Plan**

Sheet No.

- CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS OF TEMPORARY PARTITIONS AND/OR TARPS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA. CLEAN THE JOB SITE DAILY AND REMOVE DEBRIS CAUSED BY THE PERFORMANCE OF THE WORK. C. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES AND ALL OTHER
- REGULATION GOVERNING WORK OF THIS NATURE. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMAN LIKE MANNER. INSTALLATION OF EQUIPMENT, ACCESSORIES AND COMPONENTS SHALL BE IN COMPLIANCE WITH THE MANUFACTURE'S INSTALLATION REQUIREMENTS. D. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY EFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE
- CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS. E. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ENGINEER. F. THE WORD "PROVIDE" SHALL MEAN "FURNISH AND INSTALL". THE WORD "DEMO" SHALL MEAN "REMOVE AND DISPOSE". EXISTING ITEMS THAT ARE
- REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS, EXCEPT WHERE INDICATED. ALL ITEMS REMOVED SHALL BECOME PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF AS PER THE OWNER'S INSTRUCTIONS, UNLESS INDICATED OTHERWISE. ALL ITEMS WHICH ARE NOT TO BE STORED ON THE SITE BY THE OWNER SHALL BE REMOVED FROM THE BUILDING IMMEDIATELY. G. SHUT DOWNS OF EXISTING SYSTEMS SHALL BE SCHEDULED AND APPROVED BY THE OWNER PRIOR TO COMMENCING WITH WORK. USE OF THE OWNER'S ELEVATORS, BUILDING CORRIDORS, AND PROVIDED LAYDOWN SPACE SHALL
- OPERATIONS. H. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGGING. HANDLING. SAFE HOUSEKEEPING OF HIS OWN PROPERTY, EQUIPMENT AND SUPPLIES ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITION. CONTRACTOR SHALL PROVIDE LABOR TO RECEIVE, UNLOAD, STORE, PROTECT AND TRANSFER TO POINT OF INSTALLATION, OWNER FURNISHED ITEMS. 2. PERMITS

BE AT THE DIRECTION OF THE OWNER AND COORDINATED WITH THEIR

- A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.
- 3. <u>SHOP DRAWINGS</u>
- A. SUBMIT AN ELECTRONIC SET, CLEARLY LABELED, OF SHOP DRAWINGS AND SUBMITTALS FOR MAJOR EQUIPMENT/FIXTURES TO THE ENGINEER FOR APPROVAL PRIOR TO STARTING ANY WORK. SUBMIT AN ELECTRONIC SET OF AS-BUILT DOCUMENTS AND OPERATION AND MAINTENANCE MANUALS TO THE ENGINEER AND OWNER, AND (2) HARD COPIES OF MANUALS TO THE OWNER UPON COMPLETION OF CONSTRUCTION.
- 4. FLEXIBLE TYPE DUCT
- A. SHALL BE OF TWO ELEMENT SPIRAL CONSTRUCTION COMPOSED OF A CORROSION RESISTANT METAL SUPPORTING SPIRAL AND COATED FABRIC WITH A MINERAL BASE. FLEXIBLE DUCT CONNECTORS SHALL BE LISTED BY U.L., CLASS 1 DUCTS, AND SHALL HAVE A FLAME SPREAD RATING NOT
- EXCEEDING 25 AND A SMOKE DEVELOPED RATING NOT EXCEEDING 50. B. USE OF FLEXIBLE DUCTWORK SHALL BE LIMITED TO NO MORE THAN 6 LINEAR FEET PER RUN. CONTRACTOR SHALL BE CAREFUL SO AS NOT TO KINK OR COLLAPSE FLEXIBLE DUCT.

- <u>HVAC NOTES</u> 5. <u>HVAC CONTROLS</u>
- A. CONTRACTOR TO SUPPLY AND INSTALL ALL CONTROL WIRING AND THERMOSTATS AS REQUIRED. SEE APPLICABLE NOTES.
- 6. <u>ELECTRICAL</u> A. MECHANICAL CONTRACTOR TO COORDINATE WITH ELECTRICAL FOR LOCATION OF WIRING AND REQUIREMENTS FOR EACH HVAC UNIT. B. PROJECT SPECIFIC, IF THE MECHANICAL CONTRACTOR IS TO SERVE AS PRIME CONTRACTOR, THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, INCLUDING
- ELECTRICAL.
- 7. <u>DUCTWORK</u>
- A. THE DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "SMACNA" APPLICABLE MANUALS. ALL DUCTWORK SHALL BE THE LOW VELOCITY TYPE, UNLESS B. CONTRACTOR SHALL PROVIDE AND INSTALL APPROVED FIRE DAMPERS AND ACCESS PANELS IN ANY AND ALL DUCTWORK WHICH PENETRATES A HORIZONTAL OR
- VERTICAL FIRE PARTITION, OR AS OTHERWISE SHOWN ON DRAWINGS. C. ALL BRANCH DUCTS TO HAVE VOLUME/MANUAL DAMPERS. D. SMOOTH TURN RADIUS DUCTWORK OR TURNING VANES SHALL BE USED THROUGHOUT WHERE FLOW EXCEEDS 150 CFM. E. ALL DUCT JOINTS TO BE SEALED IN ACCORDANCE WITH "SMACNA" STANDARDS AND ACCEPTED GOOD PRACTICE. F. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSIONS OF FACE SHOWN OR
- INDICATED. ALL DUCT DIMENSIONS SHOWN ARE NET INSIDE VALUES. DIMENSIONS MAY BE CHANGED SO LONG AS THE NET FREE FACE AREA IS MAINTAINED. G. ALL CONCEALED DUCTWORK SHALL BE INSULATED WITH 1-1/2" FIBERGLASS INSULATING BLANKET WITH ALUMINUM FOIL FACING. H. ALL SUPPLY AND RETURN DUCTWORK 15 FEET DOWNSTREAM OF THE HVAC UNIT
- SHALL BE INTERNALLY LINED WITH A 1/2" ACOUSTICAL DUCT LINER. I. ALL EXTERIOR DUCTWORK SHALL BE COMPLETELY SEALED WITH WEATHERPROOF MASTIC COATING. J. INSTALL HANGERS, SUPPORTS, CLAMPS, AND ATTACHMENTS AS REQUIRED TO
- PROPERLY SUPPORT PIPING FROM THE BUILDING STRUCTURE. 8. <u>FABRIC DUCT SYSTEM</u>
- A. FABRIC DUCT: IN COMPLIANCE WITH FABRICAIR INCORPORATED (502-493-2210 SALES-US@FABRICAIR.COM) OR APPROVED EQUAL. PROVIDE ALL COMPONENTS, HARDWARE, ETC. NECESSARY FOR A FULLY FUNCTIONAL FABRIC AIR DISPERSION SYSTEM AS CLASSIFIED BY UL IN ACCORDANCE WITH THE 25/50 FLAME SPREAD/SMOKE DEVELOPED REQUIREMENTS OF NFPA90-A AND UL2518. AIR DISPERSION SYSTEM SHALL BE CONSTRUCTED WITH AN EXTERNAL SUPPORT FRAMEWORK OF REMOVABLE ANODIZED ALUMINUM HOOPS TO MAINTAIN CYLINDRICAL SHAPE OF THE DUCTWORK AT ALL TIMES. SUPPORT STRUCTURE MUST BE EXTERNAL TO DUCT AS NOT TO CAUSE PRESSURE DROP OR INTERNAL WEAR ON THE SYSTEM. DUCT MATERIAL SHALL BE WOVEN POLYESTER. FIRE RETARDANT IN ACCORDANCE WITH UL 2518, AND AVAILABLE IN 9 STANDARD COLORS TO BE APPROVED BY ARCHITECT PRIOR TO FABRICATION. NECESSARY PERMEABILITY OF FABRIC SHALL BE BASED ON PSYCHROMETRIC ANALYSIS AND SHALL BE VERIFIED BY FRAZIER PERMEABILITY TEST. CUSTOMIZED AIR DISPERSION SHALL BE ACCOMPLISHED WITH LASER CUT ORIFICES. ORIFICE SIZE, QUANTITY, AND PLACEMENT SHALL BE APPROVED BY MANUFACTURER. INLETS, SECTIONS, FITTINGS, AND ENDCAPS MUST BE INDIVIDUALLY LABELED AND REFERENCED ON ASSEMBLY DRAWINGS. MANUFACTURER MUST PROVIDE A 10 YEAR, NON-PRORATED WARRANTY FOR ALL PRODUCTS. PRO-RATED WARRANTIES ARE NOT ACCEPTABLE. CONTACT FABRICAIR FOR DESIGN ASSISTANCE AT (502-493-2210 SALES-US@FABRICAIR.COM).
- 9. <u>PIPING</u>
- A. PROVIDE ALL NECESSARY TEMPORARY OR PERMANENT CAPS OR PLUGS FOR PIPING. DO NOT LEAVE PIPING OPEN ENDED. B. SUCCESSFUL PRESSURE TEST ALL PIPING SYSTEMS. TEST SHALL BE PERFORMED AT 100% OF NORMAL OPERATING PRESSURES. REPAIR AND RETEST AS REQUIRED
- 10. <u>DRAINAGE PIPING (CONDENSATE)</u>

UNTIL SYSTEMS PROVE TIGHT.

- A. SHALL BE TYPE L COPPER PIPE WITH SOLDERED JOINTS. USE OF COPPER PRESS FITTINGS REQUIRES PRIOR APPROVAL. SLOPE HORIZONTAL LINES 1/8" IN 1'-0" TO DRAIN. CONDENSATE DRAINS SHALL BE ROUTED TO ROOF DRAIN. FLOOR DRAIN, FLOOR SINK, HUB DRAIN OR OTHER APPROVED INDIRECT WASTE DRAIN. INSULATED TO PREVENT DAMAGE FROM CONDENSATION WHEN WITHIN BUILDING. NSULATION SHALL NOT BE REQUIRED OUTDOORS
- B. DRAIN PIPING SHALL BE SAME SIZE AS EQUIPMENT CONNECTION AND NOT REDUCE IN SIZE. MINIMUM 3/4" UP TO 20 TONS, 1" OVER 20 TONS TO 40 TONS, 1-1/4" OVER 40 TONS TO 90 TONS, 1-1/2" OVER 90 TONS TO 125 TONS AND 1" ÓVER 125 TONS TO 250 TONS.

11. REFRIGERANT PIPING

- A. CONTRACTOR SHALL PROVIDE AND INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN SUCH A WAY AS TO BE INCONSPICUOUS AND FREE FROM ANY POSSIBLE CONDENSATION. INSULATE REFRIGERANT LINES CONTINUOUSLY WITH ARMOUR-FLEX TYPE INSULATION IN ACCORDANCE WITH INSULATION MANUFACTURER'S INSTRUCTIONS.
- A. A. ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE OR METAL STRAP TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL NOT EXCEED 8 FEET FOR ALL PIPING. PLASTIC PIPING TO BE SUPPORTED EVERY 4 FEET.

13. MISCELLANEOUS

- A. COORDINATE INSTALLATION OF ALL ROOF FLASHING AT ROOF PENETRATION. CONTRACTOR SHALL COORDINATE THE WORK WITH ALL OTHER TRADES PRIOR TO FABRICATION, PURCHASE AND/OR INSTALLATION OF ALL WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING AND BEAM PENETRATIONS AS IT RELATES TO THE WORK. CONTRACTOR SHALL SUBMIT SIZE AND LOCATION TO THE STRUCTURAL ENGINEER FOR
- APPROVAL. B. THE MECHANICAL PLANS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURE'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS.
- C. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK. WHERE DISCREPANCIES OCCUR BETWEEN THESE DOCUMENTS AND EXISTING CONDITIONS, THE DISCREPANCIES SHALL BE REPORTED TO THE
- D. ALL WALL PENETRATIONS SHALL BE PROPERLY FRAMED AND SEALED WEATHERPROOF. ANY DAMAGE BLOCK, BRICK, PAINT, ETC. SHALL BE REPAIRED TO PRE-CONSTRUCTION LEVELS TO OWNER'S SATISFACTION. ALL EXTERIOR OPENINGS TO BE PROPERLY CAULKED AND SEALED WITH A SEALANT OF HIGH QUALITY AND LONG LIFE, TO PREVENT INFILTRATION OF OUTSIDE AIR INTO CONDITIONED SPACE. E. WHERE CONDUITS, CABLES, DUCTWORK OR PIPING PASSES THROUGH FIRE

OWNER AND/OR ENGINEER FOR EXPEDITING AND RESOLVE.

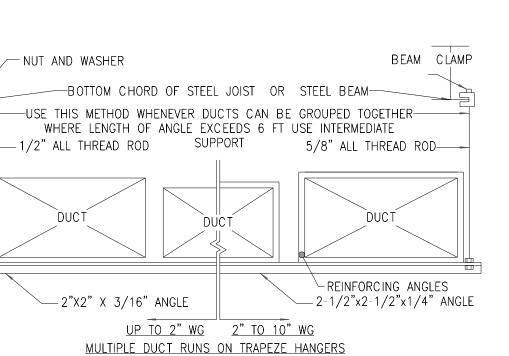
- RATED FLOORS OR WALLS, THE SLEEVES SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS ULLISTED FOR THIS SERVICE. SUCH AS DOWN CORNING CORPS. SILICONE ELASTOMER, DOW CORNING 3-6548 SILICON RTV FOAM, OR APPROVED EQUAL., IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER, TO MAINTAIN THE FIRE RATING OF THE PENETRATION.
- F. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE THE SUSPENDED CEILING. G. ACCESS PANELS IN HARD SUSPENDED CEILINGS ARE REQUIRED FOR ALL
- VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. ACCESS PANELS SHALL BE FURNISHED AND INSTALLED UNDER ARCHITECTURAL SPECIFICATIONS.
- 14. <u>TESTING AND BALANCING</u>

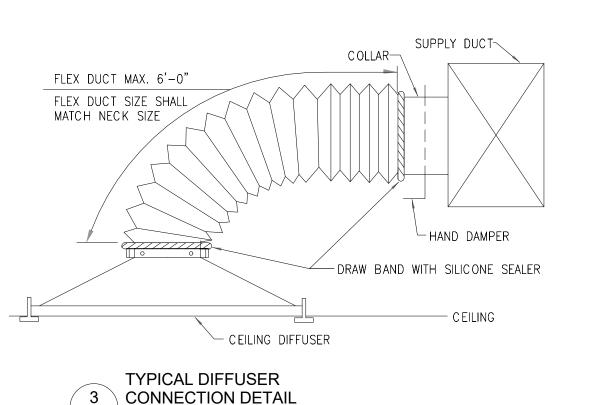
CONTRACTOR'S EXPENSE.

A. TEST AND BALANCE SHALL BE PERFORMED BY A CERTIFIED TEST AND BALANCE AGENT. TEST AND BALANCE REPORTS SHALL BE PROVIDED TO OWNER.

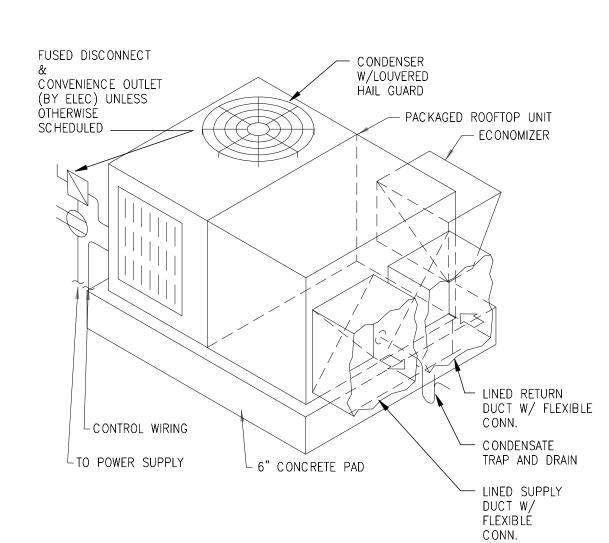
15. <u>GUARANTEE</u>

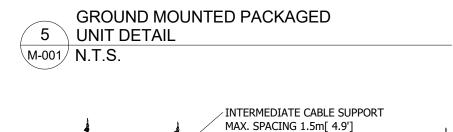
- A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE(1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS
- B. FOR THE SAME PERIOD, THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.

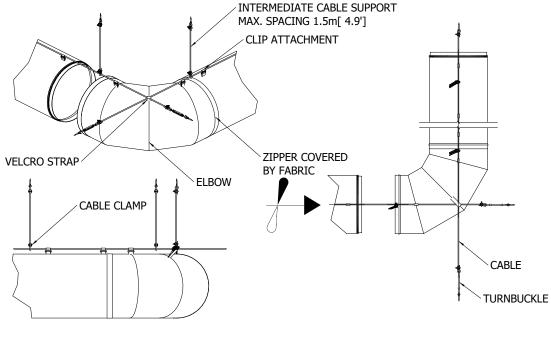




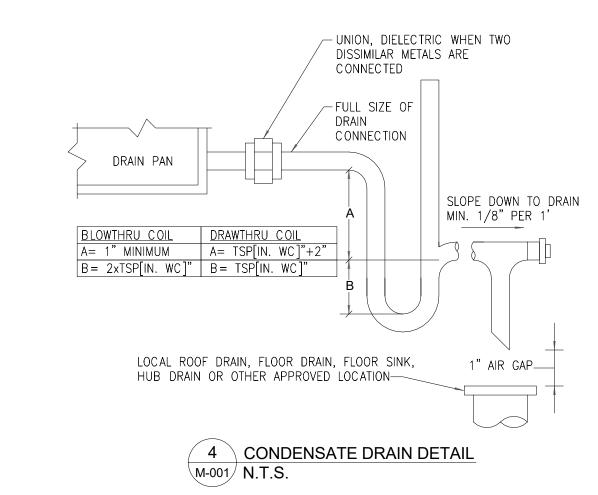
\M-001/ N.T.S.

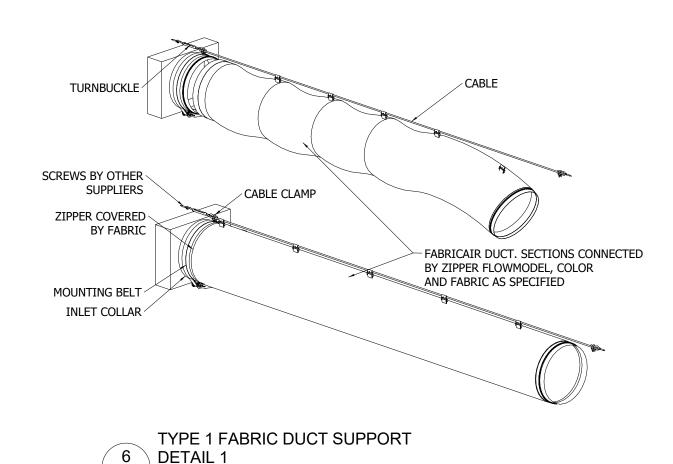


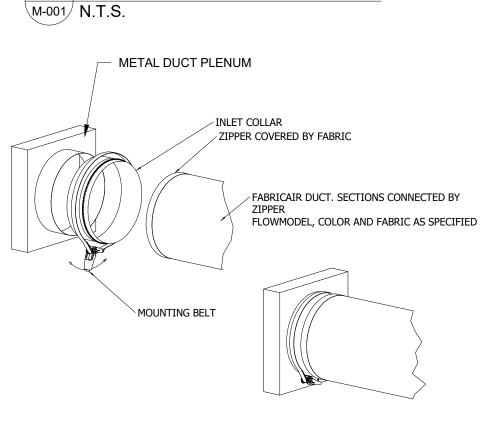




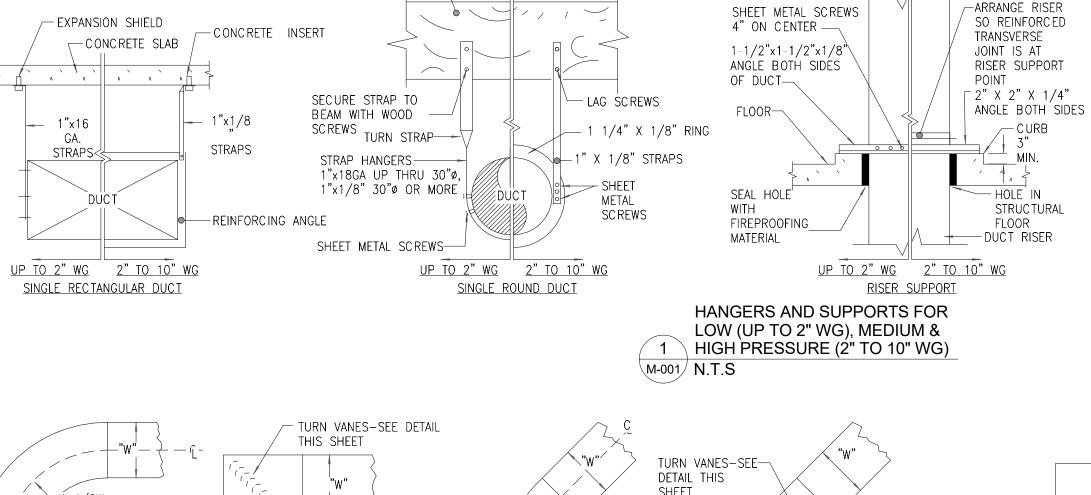
TYPE 1 FABRIC DUCT SUPPORT

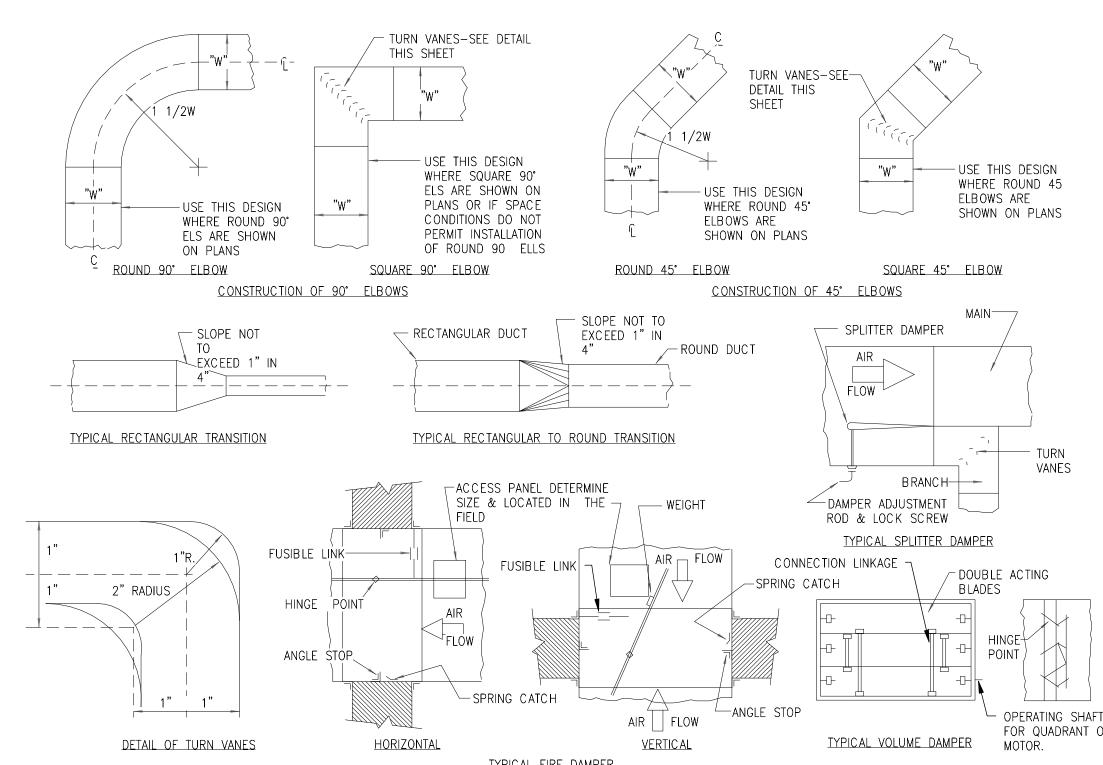






FABRIC DUCT CONNECTION TO 8 DUCT PLENUM DETAIL M-001/ N.T.S.





TURN VANES-SEE-

DETAIL THIS

ROUND BRANCH TAKEOFF SQUARE BRANCH TAKEOFF

CONSTRUCTION OF BRANCH TAKEOFFS FROM MAIN

OPERATING SHAFT FOR QUADRANT OR TYPICAL FIRE DAMPER INSTALLATION NOTES 1. ALL DUCTS SHALL BE CONSTRUCTED AND ERECTED IN A NEAT AND WORKMANLIKE MANNER. 2. DUCTS SHALL BE CONSTRUCTED OF THE WEIGHTS, GAGES AND MATERIAL SHOWN IN THE SCHEDULE ON THESE DRAWINGS. 3. THE DIMENSION SHOWN FOR ALL DUCTS SHOWN IN PLAN GIVE THE WIDTH FIRST AND THEN THE HEIGHT. 4. DUCT RISERS SHOULD BE SUPPORTED BY ANGLES AT EVERY FLOOR. 5. AIR TURN SHALL BE INSTALLED IN ALL ABRUPT ELBOWS TO PREVENT TURBULENCE. 6. DUCTS SHALL BE SECURELY ATTACHED TO THE BUILDING CONSTRUCTION IN AN APPROVED MANNER.

7. DIVERGING TRANSITION PIECES SHALL BE MADE AS GRADUAL AS POSSIBLE.

9. ACCESS PANELS SHOULD BE PLACED BEFORE AND/OR AFTER EQUIPMENT INSTALLED IN THE DUCT.

10.DUCT AREA SHOULD NOT BE DECREASED MORE THAN 10 PERCENT WHEN OBSTRUCTIONS CANNOT BE

11.FLEXIBLE FABRIC CONNECTIONS (OR EQUAL) SHOULD BE USED ON BOTH INLETS AND OUTLETS OF

12.JOINTS AND SEAMS OF SUPPLY DUCTS SHALL BE FASTENED SECURELY AND MADE AIR TIGHT.

8. INSTALL FIRE DAMPERS IN ACCORDANCE WITH UL 555.

ALL FANS AND AIR HANDLING UNITS.

✓ 2 \ Low Velocity Duct Layout Details

AVOIDED, AND THEN A STREAMLINED FITTING SHOULD BE USED.

PACKAGED HVAC UNIT SCHEDULE **ELECTRICAL** COOLING **HEATING** EXTERNAL | MINIMUM OUTPUT OPER. SUPPLY | STATIC | OUTSIDE HEATER MODEL | AIRFLOW | PRESSURE | AIR FLA WEIGHT Manufacturer Notes POWER | VOLT. | EDB YSC060E3 | 1800 CFM | 0.75 in. wg. | 400 CFM | 5.02 kW | 208 V | 3 57 °F 1-11, 13-24 0.36 kip Trane YCH360BE 9000 CFM 1.5 in. wg. 2370 CFM 32.45 kW 208 V 3 57 °F 60 °F 280.00 4.58 kip Trane MBh MBh

NOTES & ACCESSORIES:

12. 100% POWER EXHAUST

- AMBIENT CONDITIONS: 93°F DB / 75°F WB SUMMER, 18°F WINTER. 115V CONVENIENCE OUTLET - INDEPENDENTLY (NOT FACTORY) WIRED.
- FACTORY PROVIDED AND WIRED STARTERS/CONTACTORS.
- . 2" PLEATED FILTERS, MERV 8. . DRAIN PAN WITH FLOAT SWITCH, WIRED TO SHUT DOWN UNIT UPON EXCESS WATER DETECTION.
- SINGLE WALL INSULATED CABINET, MINIMUM R-13. 105°F AMBIENT AIR TEMPERATURE AT UNIT CONDENSER
- NON-FUSED DISCONNECT SWITCH, FACTORY-PROVIDED. 9. FACTORY-PROVIDED SMOKE DETECTOR AT UNIT SUPPLY.
- 10. DIRTY FILTER SWITCH. 11. 0-100" ECONOMIZER, DRY BULB CONTROL

13. BLOWER PROVING SWITCH.

14. FREEZESTAT.

- 15. CRANKCASE HEATER. 16. HIGH AND LOW PRESSURE CONTROL 17. AUTO-RESET PRESSURE SWITCHES.
- 18. THREE-STRIKE LOCKOUT
- 19. HINGED ACCESS DOORS 20. STANDALONE WALL-MOUNTED SEVEN-DAY PROGRAMMABLE THERMOSTAT WITH DIGITAL INTERFACE, INCLUDING NIGHT
- SETBACK AND AUTOMATIC CHANGEOVER. PROVIDE LOCKING COVER FOR THERMOSTAT.

7 DETAIL 2

\M-001/ **N**.T.S.

- 21. EER AT AHRI CONDITIONS. 22. AFUE IN ACCORDANCE WITH DOE TEST PROCEDURES.
- 23. R-410A WORKING REFRIGERANT. 24. SINGLE POINT POWER.

OUTSIDE AIR CALCULATIONS										
SPACE NAME	CLASSIFICATION	AREA (SF)	PEOPLE/1000SF	PEOPLE	CFM/PERSON	CFM/SF	PPL OA (CFM)	SF OA (CFM)	CFM REQUIRED	TOTAL CFM REQUIRED
GYMNASIUM	GYM/STADIUM	7890		150		0.30		2,370	2,370	2,370
WEIGHT ROOM	WEIGHT ROOM	984		15	20	0.06	300	59	359	360
STORAGE ROOM	STORAGE	222				0.06		13	13	13
ENTRY	CORRIDOR	200				0.06		12	12	12
AIRFLOW VALUES ARE FROM THE 2015 INTERNATIONAL MECHANICAL CODE, CHAPTER 4, TABLE 403.3.										

EXHAUST FAN SCHEDULE								
TAG	CFM	ESP	VOLTAGE	PHASE	FLA	Manufacturer/MODEL	Notes & Accessories	
EF-1	75	0.125	115 V	1	1 A	GREENHECK / SP-B90	PROVIDE WITH ROUND HOODED WALL CAP, (PN: WC-6)	



WAKEFIELD BEASLEY & **ASSOCIATES**

ATLANTA · JACKSONVILLE · PANAMA ABU DHABI · DUBAI · SHANGHAI



ROCKDALE COUNTY RECREATION AND

DEPARTMENT

Print Record 5/3/2017 REVIEW SET 2017-05-15 90% CONSTRUCTION DOCUMENTS 2017-06-08 100% CONSTRUCTION DOCUMENTS 2017-06-29 BUILDING PERMIT SUBMISSION

Revisions DESCRIPTION DATE Drawn By Checked By

> 1607008000 06/08/2017 Sheet Title **HVAC NOTES DETAILS AND**

SCHEDULES Sheet No.

1. <u>SCOPE OF WORK</u>

- SPECIFIED OR IMPLIED. B. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES GOVERNING WORK OF THIS NATURE.

A. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER

PLUMBING NOTES

C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY EFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS. D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY ENGINEER OR ARCHITECT.

2. <u>PERMITS</u>

A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.

3. <u>SHOP DRAWINGS</u>

- A. SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT/FIXTURES TO THE ARCHITECT OR ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL SUBMIT THREE SETS OF SHOP DRAWINGS AND THEY SHALL BE CLEARLY LABELED.
- 4. <u>DOMESTIC WATER SUPPLY PIPING</u>
- A. UNDERGROUND: PROVIDE TYPE "K" SOFT DRAWN COPPER TUBING WITH BRAZED CONNECTIONS. B. ABOVE GROUND: PROVIDE TYPE "L" HARD DRAWN COPPER TUBING WITH 125 PSI SOLDER JOINTS, COPPER OR BRASS FITTINGS. ALL SOLDER TO BE "NO LEAD" TYPE.
- C. ALL HOT WATER PIPING TO BE INSULATED WITH 1" FIBERGLASS INSULATION. D. ALL COLD WATER PIPING TO BE INSULATED WITH 1/2" FOAM INSULATION.
- 5. <u>SANITARY/STORM DRAINAGE AND VENT PIPING</u>

- -2" AND BELOW: SCH. 40 GALV. STL. PIPE WITH SCREWED ENDS OR SCH. 40 PVC WITH SOLVENT JOINTS OR DWV COPPER WITH SOLDER JOINTS. ALL SOLDER TO BE "NO LEAD" TYPE. -3" AND ABOVE: SERVICE WT. CAST IRON WITH NO-HUB OR BELL AND SPIGOT JOINTS; OR SCH. 40 PVC WITH SOLVENT
- B. BELOW GRADE: SERVICE WT. CAST IRON WITH BELL AND SPIGOT JOINTS OR SCH. 40 PVC WITH SOLVENT JOINTS. . PVC PIPING SHALL NOT BE USED IN AIR PLENUM CEILINGS AND SHALL NOT CROSS FIRE RATED WALLS, CEILINGS, OR FLOORS.
- DRAINAGE PIPING SHALL BE RUN AS STRAIGHT AS POSSIBLE AND SHALL HAVE LONG TURN FITTINGS. E. DRAINAGE PIPING 3" SIZE AND SMALLER SHALL RUN AT A UNIFORM GRADE OF AT LEAST 1/4" PER FOOT, AND PIPING LARGER THAN 3" SHALL BE RUN AT A GRADE OF NO LESS THAN 1/8" PER FOOT.
- F. ALL VENT PIPING SHALL BE SLOPED TO DRAIN BACK TO FIXTURES. G. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FLASHING OF THE VENT PIPING RUN THROUGH THE ROOF.

7. <u>GAS PIPING</u>

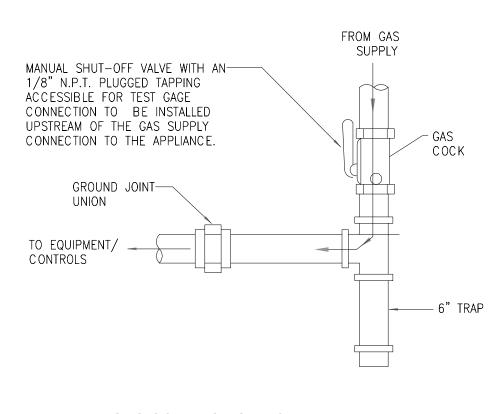
- A. SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH MALLEABLE IRON FITTINGS, WHERE GAS PIPING CONNECTS TO EQUIPMENT, IT SHALL BE PROVIDED WITH A DRIP LEG THE FULL SIZE OF THE RUNOUT, A 100% SHUT-OFF VALVE AND A UNION. GAS PIPING CONTAINING PRESSURE GREATER THAN 9 IN. W.G. SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH WELDED JOINTS.
- B. OUTDOOR PIPING SHALL BE PAINTED WITH RUST INHIBITING PAINT IN SAFETY YELLOW.
- 8. <u>PIPE SUPPORTS</u>
- A. ABOVE GRADE ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE AND PERFORMED METAL TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL BE AS SPECIFIED IN THE INTERNATIONAL PLUMBING CODE.
- B. BEIOW GRADE EARTH SHALL BE EXCAVATED TO A MINIMUM DEPTH WITH AN EVEN SURFACE TO INSURE SOLID BEARING OF PIPE FOR ITS ENTIRE LENGTH. -INTERIOR: THE PIPE SHALL BE INSTALLED (UNLESS OTHER-WISE SPECIFIED) A MINIMUM OF 4 INCHES BELOW THE BOTTOM OF THE SLAB AND SHALL NOT BE IN ANY DIRECT CONTACT WITH THE CONCRETE AT ANY POINT. -EXTERIOR: THE WATER PIPE SHALL HAVE A MINIMUM OF 42" OF COVER AND THE SANITARY WASTE PIPE SHALL HAVE A MINIMUM OF 24" OF COVER.

9. <u>MISCELLANEOUS</u>

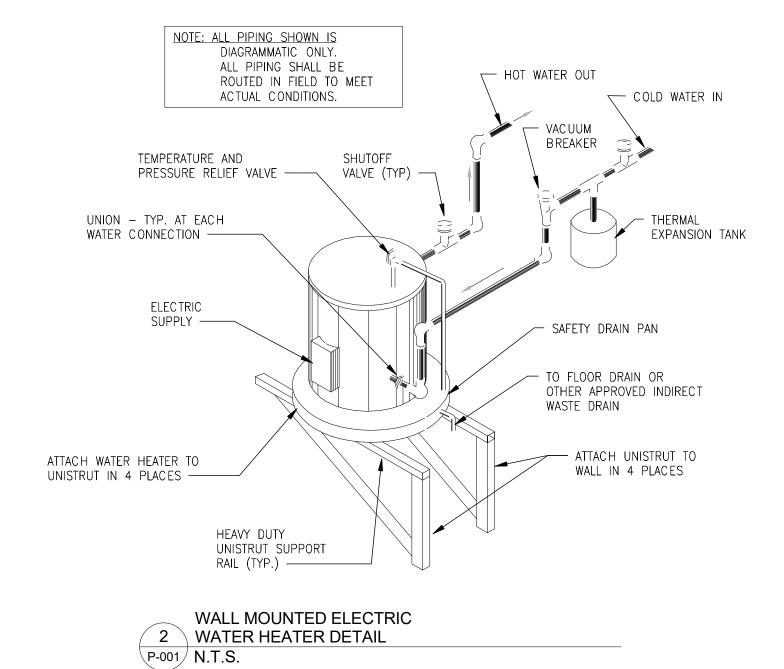
- A. COORDINATE INSTALLATION OF ALL ROOF FLASHING AT ROOF PENETRATION.
- B. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE. C. THE PLUMBING PLANS ARE INTENDED TO BE DIAGRAMATIC, AND ARE BASED ON ONE MANUFACTURE'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.

10. <u>TESTING</u>

- A. PLUMBING SYSTEMS SHALL BE FLOW AND PRESSURE TESTED IN ACCORDANCE WITH STANDARD PRACTICE AND THE INTERNATIONAL
- 11. <u>GUARANTEE</u>
- A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.
- B. FOR THE SAME PERIOD, THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.







				PL	UMBING	FIXTURE	SCHEDULE
Mark	DESCRIPTION	MANUFACTURER & CATALOG NO.	WASTE CONNECTION	CW CONNECTION	HW CONNECTION	VENT CONNECTION	Comments
P-1	MOP SINK	FIAT TSBC6010	3"	1/2"	1/2"		TERRAZZO 24"x24", FLOOR MOUNTED, NEO-CORNER MOP SERVICE BASIN WITH STAINLESS STEEL STRAINER. WALL MOUNTED MIXING FAUCET. 1/2" I.P.S. ANGLE HOT AND COLD WATER SUPPLIES WITH LOOSE KEY STOP.
P-2	WATER COOLER	ELKAY LZS8WSLP EZH20	1 1/4"	1/2"			WALL MOUNTED WATER COOLER WITH FRONT/SIDE TOUCH PADS, 8 GPH CAPACITY, ADA COMPLIANT WITH ONE MOUNTED LOW AT ADA HEIGHT AND ONE AT NORMAL HEIGHT, 50 DEGREE F SUPPLY WATER. PROVIDE WITH BOTTLE FILLING STATION ON THE LOW ADA FOUNTAIN.

	ELECTRI	C WATI	er heate	R SCH	HEDULE	
MARK	MANUFACTURER/MODEL	STORAGE, GALLONS	RECOVERY GPH @ 100°F	INPUT, kW	ELECTRICAL VOLTS, PHASE	REMARKS
WH-1	A.O. SMITH - DEL-6S-2.5	6	10	2.5	208/1	



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ROCKDALE COUNTY RECREATION AND DEPARTMENT

Print Record 5/3/2017 REVIEW SET 2017-05-15 90% CONSTRUCTION DOCUMENTS 2017-06-08 100% CONSTRUCTION DOCUMENTS 2017-06-29 BUILDING PERMIT SUBMISSION

О.	DATE	DESCRIPTION

Job No. 1607008000 06/08/2017

Checked By

Sheet Title PLUMBING NOTES, SCHEDULES AND

Drawn By

GEI GRIFFITH ENGINEERING

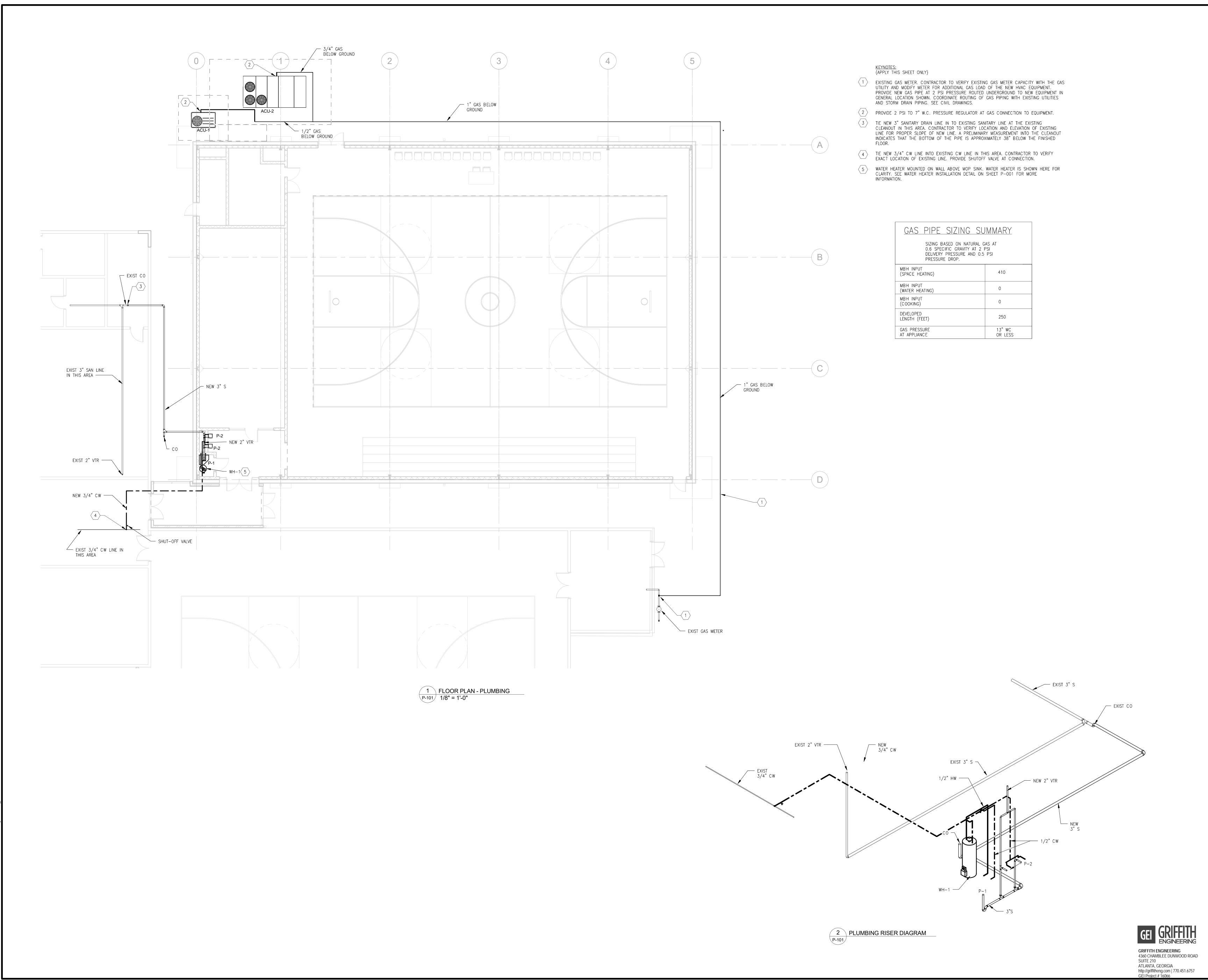
4360 CHAMBLEE DUNWOOD ROAD

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GRIFFITH ENGINEERING

SUITE 210 ATLANTA, GEORGIA

DETAILS Sheet No.



ATLANTA · JACKSONVILLE · PANAMA

ABU DHABI · DUBAI · SHANGHAI



ROCKDALE COUNTY
RECREATION AND
MAINTENANCE
DEPARTMENT

Print Record

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 Job No.

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Sheet Title

PLUMBING PLAN

Sheet No.
P-101

ALL ELECTRICAL WORK PERFORMED DURING THIS SCOPE OF WORK SHALL COMPLY WITH ALL LOCAL BUILDING CODES, LAWS, REGULATIONS, ORDINANCES, AND THE REQUIREMENTS OF THE 2014 NATIONAL ELECTRICAL

CODE. ALL WORK SHALL COMPLY WITH ANY OWNER SPECIFICATIONS NOT CALLED OUT ON THIS SET OF DRAWINGS. WHERE ELECTRICAL CONTINUITY TO EXISTING TO REMAIN RECEPTACLES/LIGHTS/EQUIPMENT IS DISRUPTED BY DEMOLITION DURING THIS SCOPE OF WORK, RECONNECT THE DEVICE TO THE CIRCUIT IT WAS CONNECTED TO

BEFORE DEMOLITION TOOK PLACE UNLESS THE DRAWINGS SHOW OTHERWISE.

ALL CONDUCTORS SHALL BE COPPER WITH TYPE "THHN" OR "THWN" INSULATION. USE "THHN" FOR #10 OR SMALLER CONDUCTORS. USE "THWN" FOR CONDUCTORS #8 OR LARGER. THE MINIMUM WIRE SIZE SHALL BE #12 A.W.G. WITH A 90° DEGREE TEMPERATURE RATING.

ALL PENETRATIONS THRU RATED WALLS, FLOORS AND CEILINGS SHALL BE FIRE STOPPED PER N.E.C. 300-21 AND NFPA 221. WHERE MOUNTING HEIGHTS ARE SHOWN ON THE DRAWINGS, THE MEASUREMENT IS TO BE TAKEN FROM THE CENTERLINE OF THE DEVICE.

ALL WIRING MUST BE INSTALLED IN CONDUIT. TYPICAL CONDUIT SIZES ARE 3/4" EMT WITH 2#12, 1#12G. AWG UNLESS OTHERWISE NOTED. IF ALLOWED BY LOCAL CODE, ALUMINUM WIRE SHALL NOT BE ALLOWED. A #12 EQUIPMENT GROUNDING CONDUCTOR SHALL BE PROVIDED FOR ALL MECHANICAL EQUIPMENT UNLESS NOTED OTHERWISE. ALL EQUIPMENT SHALL BE GROUNDED AT THE PANEL THAT FEEDS THE EQUIPMENT.

EACH CIRCUIT. ALL PANELBOARDS AFFECTED BY THIS PROJECT SHALL HAVE LOAD IMBALANCE BETWEEN PHASES CORRECTED TO LESS THAN OR EQUAL TO 10%. ALL BRANCH CIRCUIT HOMERUN CONDUCTORS SHALL BE PROVIDED WITH A SEPARATE INSULATED #12 AWG EQUIPMENT GROUNDING CONDUCTOR, UNLESS OTHERWISE NOTED.

CONTRACTOR SHALL PROVIDE A TYPED PANEL SCHEDULE DIRECTORY LOCATED ON THE INSIDE COVER OF THE ELECTRICAL PANEL. ALL CIRCUITS, SPARES, AND SPACES SHALL BE CORRECTLY AND CLEARLY LABELED. ALL CARDS SHALL INDICATE AREAS AND DEVICES SERVED BY

ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS AGAINST ALL DEFECTS IN MATERIAL, DESIGN AND WORKMANSHIP FOR ONE YEAR EFFECTIVE THE DAY THE PROJECT IS ACCEPTED BY THE OWNER. FAILURE OF ANY PART OR PARTS DURING GUARANTEE, OWING TO ABOVE CAUSES, SHALL BE REPLACED PROMPTLY UPON NOTICE BY ARCHITECT, WITHOUT CHARGE TO THE OWNER. INTERNATIONAL BUILDING CODE SECTION 705.4 SHALL BE MET WITH ELECTRICAL DEVICES TO BE INSTALLED IN RATED WALLS.

ALL ELECTRICAL MATERIALS, DEVICES, AND EQUIPMENT SHALL BE LISTED BY UL OR OTHER STATE APPROVED THIRD PARTY TESTING AGENCY. FIRE RATED SLEEVES SHALL BE PROVIDED AND ALL FIRESTOPPING SHALL BE PROVIDED AS REQUIRED BY CODE WHEN CABLING IS ROUTED THROUGH A FIRE RATED PARTITION. BLANK COVERS SHALL BE INSTALLED ON RINGS.

ALL ELECTRICAL EQUIPMENT SHALL BE PROTECTED FROM DAMAGE AFTER BEING INSTALLED. CONTRACTOR SHALL NOT INSTALL TRIM AND COVER PLATES UNTIL AFTER ALL FINISHES TO ARCHITECTURAL ELEMENTS HAVE BEEN COMPLETED.

MOUNT ALL DISCONNECT SWITCHES TO STRUCTURE. DISCONNECTS SHALL NOT BE MOUNTED TO DUCTWORK OR MECHANICAL EQUIPMENT. ANY CABLING TO BE INSTALLED DURING THIS SCOPE OF WORK THAT IS ROUTED THROUGH ANOTHER TENANT SPACE OR COMMON AREA SHALL BE ENCLOSED IN CONDUIT. ALL LIGHT FIXTURES SHALL BE CLEANED, AND FULLY FUNCTIONAL AT MOVE-IN. THIS INCLUDES RE-LAMPING.

CONTRACTOR SHALL PROVIDE AND INSTALL PHENOLIC LABELED NAMEPLATES FOR ALL RECEPTACLES AND POWERED DEVICES (INCLUDING PANELBOARDS AND DISCONNECTS). INFORMATION ON NAMEPLATE SHALL INCLUDE ELECTRICAL PANEL AND CIRCUIT NUMBER FROM WHICH DEVICE IS POWERED. SEE SPECIFICATIONS SECTION 260553.

WHERE TWO SWITCHES OR MORE (INCLUDING DIMMERS) ARE LOCATED NEXT TO EACH OTHER, CONTRACTOR SHALL PROVIDE AND INSTALL A SINGLE SWITCHPLATE TO PROVIDE A NEATER APPEARANCE. PROVIDE AND INSTALL "ARC FLASH HAZARD" WARNING LABELS ON ALL ELECTRICAL PANELS, AS PER NFPA 70E REQUIREMENTS.

ALL ELECTRICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL MAKE ALL ELECTRICAL POWER CONNECTIONS TO HVAC, PLUMBING AND OTHER EQUIPMENT AS REQUIRED.

ALL WIRING SHALL BE INSTALLED IN GALVANIZED RIGID CONDUIT., INTERMEDIATE METAL CONDUIT, OR EMT. EMT SHALL NOT BE USED IN OR UNDER CONCRETE SLABS, OR IN MASONRY WALLS. USE SCHEDULE 40 PVC BELOW FLOOR SLAB OR OUTDOORS WHERE NOT SUBJECT TO PHYSICAL DAMAGE. UNDER GROUND UP/DOWN ELBOWS AND RISERS SHALL BE GRSC.

CONDUCTORS SHALL BE COPPER RATED AT NOT LESS THAN 600 VOLTS. MINIMUM SIZE SHALL BE #12AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL WIRE #8AWG AND LARGER SHALL BE STRANDED. ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID, UNLESS OTHERWISE NOTED. USE THE 60°C AMPACITY RATING FOR SIZING CONDUCTORS FEEDING EQUIPMENT RATED 100A OR LESS, OR FOR EQUIPMENT RATED FOR CONDUCTORS #1 AWG OR LESS.

FUSES 0 - 600 AMPS SHALL BE UL CLASS "RK-1" LOW PEAK DUAL ELEMENT TIME DELAY WITH 200,000 AMPERE INTERRUPTING RATING AS MANUFACTURED BY BUSSMAN, UNLESS OTHERWISE NOTED. VERIFY ALL REQUIREMENTS AND COORDINATE EXACT LOCATION OF INCOMING ELECTRICAL SERVICE WITH LOCAL POWER COMPANY PRIOR TO PROJECT STARTUP. NOTIFY ENGINEER OF ANY CHANGES.

INSTALL ALL ELECTRICAL OUTLET BOXES HORIZONTAL AND FLUSH IN WALLS WHERE POSSIBLE UTILIZING SHALLOW DEVICE DOXES DUE TO LIMITED WALL THICKNESS. PROVIDE APPROPRIATE FLUSH MOUNTING RECEPTACLE BOXES AND CONDUIT AS REQUIRED FOR MOUNTING OF OUTLETS ON CONCRETE WALLS.

ALL TERMINALS, SPLICING CONNECTORS, LUGS, ETC. SHALL BE IDENTIFIED FOR USE WITH THE MATERIAL (CU/AL) OF THE CONDUCTOR AND SHALL BE PROPERLY INSTALLED. ALL TERMINALS, SPLICING CONNECTORS, LUGS, ETC. SHALL BE IDENTIFIED FOR USE WITH 75° RATED. CONDUCTORS. WHERE A HOMERUN IS SHOWN THE CIRCUIT SHALL BE INSTALLED IN A DEDICATED CONDUIT, DO NOT COMBINE WITH OTHER CIRCUITS. WHERE A CIRCUIT HOMERUN IS NOT SHOWN THE CONTRACTOR SHALL COMBINE A MAXIMUM OF THREE 20A/1P BRANCH CIRCUITS OF

3 DIFFERENT PHASES (A,B,&C) SHARING A COMMON NEUTRAL OR WITH SEPARATE NEUTRALS, AND A TOTAL OF SIX CURRENT CARRYING CONDUCTORS. ALL BRANCH CIRCUITS LARGER THAN 20A SHALL BE SEPARATELY HOMERUN TO THE PANEL. CIRCUIT NUMBERS, FIXTURE DESIGNATION AND SWITCHING ARE AS FOLLOWS: UPPER CASE LETTERS(S) INDICATE SURCUIT. LOWER CASE LETTER(S) INDICATES SWITCHING DESIGNATION. WHERE TWO SWITCHING DESIGNATIONS ARE SHOWN; CONTROL ONE LAMP OF TWO LAMP FIXTURES AND THE CENTER LAMP(S) OF THREE AND FOUR LAMP FIXTURES TO THE FIRST DESIGNATION, AND THE REMAINING LAMPS TO THE SECOND DESIGNATION. FIXTURE SWITCHING AND CIRCUITING ARE TYPICAL FOR ALL

ALL 15 AND 20 AMP, 125 VOLT RECEPTACLES LOCATED IN THE RESTROOMS, KITCHEN, AND ON THE EXTERIOR SHALL BE GFCI PROTECTED.

LOCATIONS INDICATED FOR OUTLETS, EQUIPMENT, ETC. ARE APPROXIMATE AND SHALL BE VERIFIED PRIOR TO ROUGH-IN. FOR EQUIPMENT BY OTHERS, VERIFY ALL DETAILS WITH OWNER'S SELECTED VENDOR THE ELECTRICAL CONTRACTOR SHALL DO ALL CUTTING AND PATCHING NECESSARY FOR THE PROPER INSTALLATION OF THEIR WORK. ALL WIRING SHALL BE CONCEALED IN BUILDING WALLS AND LOCATED ABOVE CEILINGS IN FINISHED SPACES.

ALL MATERIALS AND EQUIPMENT SHALL BE NEW WHEN INSTALLED UNLESS OTHERWISE INDICATED ON THE DRAWINGS. ALL MATERIALS AND EQUIPMENT USED SHALL BE LISTED BY UL FOR THE APPLICATION IN WHICH THEY ARE INTENDED. ALL CONDUIT SHALL BE ZINC-COATED EMT EXCEPT IN WET, DAMP, OR UNDERGROUND LOCATIONS, WHERE ZINC-COATED RIGID STEEL SHALL BE USED. EMT FITTING SHALL BE STEEL SET-SCREW TYPES. ALL FITTINGS SHALL BE U.L. LISTED FOR CONCRETE TIGHT AND RAIN TIGHT

CONSTRUCTION. ALL EMT ENTRANCE FITTINGS SHALL BE PROVIDED WITH INSULATED THROATS. KEEP ALL RACEWAYS A MINIMUM OF 6 INCHES AWAY FROM ALL PARALLEL RUNS OF FLUES, STEAM PIPES, AND HOT WATER PIPES. DOUBLE LOCKNUTS SHALL BE USED ON ALL FEEDER MOTOR CONTROL CONDUITS, AND WHERE INSULATED BUSHINGS ARE USED. ALL CONDUITS SHALL HAVE MANUFACTURED METAL SUPPORTS OF RUST PROOFED FINISH, SECURED AS APPROVED BY THE A/E.

RACEWAY AND OUTLET PENETRATIONS THROUGH SLABS AND FIRE RATED WALLS SHALL BE SEALED WITH IMPERVIOUS NON COMBUSTIBLE MATERIALS IN SUCH A MANNER AS TO RESTORE THE ORIGINAL FIRE RATING. MANUFACTURED MATERIALS SHALL BE EQUAL TO 3M AND SHALL BE UL LISTED. SEE SPECIFICATIONS SECTION 260500. ALL RACEWAYS FOR NEW WORK SHALL COMPLY WITH NEC CONDUIT FILL REQUIREMENTS

WIRING DEVICES SHALL BE HUBBELL, LEVITON, OR EQUAL. PLATE AND DEVICES SHALL BE OF STAINLESS STEEL - LEVITON

ALL ELECTRICAL CONDUCTORS SHALL BE TESTED FOR CONTINUITY AND GROUNDS BEFORE BEING ENERGIZED. ALL FAULTY CONDUCTORS SHALL BE REPLACED.

THE ELECTRICAL CONTRACTOR SHALL CONNECT ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS, EXCEPT CONTROL WIRING PROVIDED BY OTHERS. #14 AWG SHALL BE MINIMUM SIZE FOR CONTROL CONDUCTORS PROVIDED UNDER DIVISION #16. CONNECTIONS TO MOTORS SHALL BE THROUGH FLEXIBLE METALLIC CONDUIT. WHERE EXTERIOR, MATERIALS SHALL BE NEOPRENE JACKETED WITH WATERTIGHT CONNECTIONS. A SEPARATE GREEN INSULATED GROUNDING CONDUCTOR SIZED PER NEC SHALL BE PROVIDED

IN EACH NEW FEEDER CONDUIT AND EACH NEW BRANCH CIRCUIT WIRING CONDUIT. PROVIDE CONNECTIONS FOR PANEL BACKBOXES, RECEPTACLES, MOTOR FRAMES, AND OTHER DEVICES. SAFETY SWITCHES SHALL BE FUSIBLE WITH AN EXTERNAL LEVER OR HANDLE FOR MANUAL OPERATION WITH INTERLOCKING COVER OF THE SIZE AND FUSING INDICATED ON THE DRAWINGS. PROVIDE NEMA 1 ENCLOSURE FOR INDOOR SWITCHES AND NEMA 3R ENCLOSURE FOR OUTDOOR SWITCHES. FUSES SHALL BE DUAL ELEMENT, TIME DELAY TYPE.

MANUAL MOTOR STARTERS TO BE PROVIDED UNDER DIVISION 26 SHALL BE MOTOR SENTINEL TYPE WITH PROPERLY SIZED OVERLOAD HEATERS, MOUNTED IN NEMA 1 OR NEMA 3R ENCLOSURE AS REQUIRED. PROVIDE UNDER DIVISION 26 WHERE NOT SPECIFIED UNDER DIVISION PROVIDING EQUIPMENT.

ALL WORK SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE, B.O.C.A. AND O.S.H.A. LATEST EDITIONS, AND ALL APPLICABLE LOCAL CODES. CONTRACTOR SHALL OBTAIN AND PAY FOR BOTH ROUGH AND FINAL UNDERWRITERS OR OTHER APPROVED INSPECTION AGENCY CERTIFICATE OF "ELECTRICAL INSPECTION". THESE CERTIFICATES SHALL BE PRESENTED WITH REQUEST FOR FINAL PAYMENT

COORDINATE EXACT LOCATION OF ALL FIXTURES AND OUTLETS WITH ARCH. DRAWINGS. AND EQUIP. SUPPLIER'S RECOMMENDATIONS. REVIEW LOCATION OF ALL RACEWAYS WITH ARCHITECT / OWNER. PROVIDE ALL GROUNDING AS REQUIRED BY N.E.C. OR ANY LOCAL CODES.

CONTRACTOR SHALL VISIT SITE TO BECOME FAMILIARIZED WITH ALL CONDITIONS OF AREA.

ALL WIRING INSTALLED UNDER THIS CONTRACT, PRIOR TO TURNING OVER THE WORK AS A COMPLETE UNIT, SHALL BE TESTED FOR PROPER CONNECTIONS, SHORT CIRCUITS AND GROUNDS. COORDINATE INTERRUPTING CAPACITY OF ELECTRIC PANELS AND ALL BREAKERS W/ UGA FACILITY GROUP.

CONTRACTOR SHALL DO CUTTING, DRILLING AND PATCHING TO A LIKE NEW CONDITION, AS APPROVED BY THE ARCHITECT FOR INSTALLATION OF HIS OR HER WORK. PROVIDE FIREPROOFING COMPOUND ON ALL CONDUITS PASSING THROUGH FIRE RATED PARTITIONS. CONTRACTOR SHALL REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE INSTALLATION OF HIS / HER WORK. REPLACE ALL CEILING TILES BROKEN DURING REMOVAL. DURING CONSTRUCTION, CONTRACTOR SHALL REMOVE ALL DEBRIS AND STORE AT LOCATION AS DIRECTED BY OWNER. NO ITEMS SHALL BE LEFT AS TO CAUSE A HAZARD DURING WORKING HOURS. COORDINATE WITH OWNER AREAS THAT WORK CAN BE DONE IN.

PROVIDE LATERAL BRACING FOR CONDUIT, BUSWAYS, TRANSFORMERS AND OTHER FLOOR MOUNTED ELECTRICAL EQUIPMENT BUS DUCT, SWITCHBOARDS, AS REQUIRED BY LOCAL CODE (AS APPLICABLE). ALL RECEPTACLES AND DATA/COMM. DEVICES SHALL BE MOUNTED AT 18"AFF UNLESS OTHERWISE NOTED. WHERE LIGHT FIXTURES ARE INSTALLED IN SUSPENDED CEILINGS, THEY ARE TO BE INDEPENDENTLY SUPPORTED AND SECURED TO THE BUILDING STRUCTURE BY WIRES ON OPPOSING CORNERS.

CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL EQUIPMENT AND FURNISH AND INSTALL FITTINGS OR INCIDENTAL ACCESSORIES THAT MAY BE REQUIRED BY LOCAL CODES FOR COMPLETING FINAL CONNECTIONS AND MAKING CONDUIT CLAMPS SHALL BE USED SHALL BE OF THE ONE SCREW MALLEABLE TYPE WITH MATCHING CLAMP BACKS. APPLETON ELECTRIC COMPANY OR PERFORMANCE EQUAL.

"SWAB" CONDUIT DRY BEFORE PULLING WIRES. THREADS SHALL BE PROTECTED. UNDERGROUND CONDUIT IN YARD RUNS SHALL BE LAID WITH 2FT. MINIMUM COVER OF SAND OR AS REQUIRED BY LOCAL CODE. WHERE REQUIRED BY LOCAL CODE, USE RIGID STEEL CONDUIT, HEAVY WALL GALVANIZED FOR ALL WORK WITHIN BUILDING. OTHERWISE, WHERE RACEWAYS ARE REQUIRED USE THINWALL ELECTRIC METALLIC TUBING. SEALTITE CONDUIT AND FITTINGS SHALL BE USED FOR FINAL MOTOR CONNECTIONS. SMALLEST SIZE CONDUIT FOR BRANCH CIRCUIT WIRING SHALL BE 1/2 INCH CONDUIT, UNLESS OTHERWISE NOTED.

ALL TOGGLE SWITCHES AND RECEPTACLES SHALL BE FLUSH MOUNTED WITH THE FINISHED WALL UTILIZING SHALLOW DEVICE DOXES DUE TO LIMITED WALL THICKNESS. UNLESS SPECIFICALLY NOTED OTHERWISE. INTERIOR FLUSH BOXES SHALL BE CODE GRADE STEEL UTILIZING SHALLOW DEVICE DOXES DUE TO LIMITED WALL THICKNESS, SECURELY FASTENED WITH APPROVED DEVICES TO STUDS OR MASONRY AND SHALL BE AS MANUFACTURED BY RACO, OR APPROVED EQUAL

TOGGLE SWITCHES SHALL BE MANUFACTURED BY LEVITON, OR APPROVED EQUAL, AND SHALL BE TUMBLER TYPE 20 AMP, QUIET TYPE. COORDINATE FINISH WITH INTERIOR DESIGNERS. ALL INDOOR CONVENIENCE OUTLETS SHALL BE TYPE CR-15 AS MANUFACTURED BY LEVITON, OR APPROVED EQUAL LAMPS SHALL BE MANUFACTURED BY SYLVANIA, WESTINGHOUSE, GENERAL ELECTRIC, OR APPROVED EQUAL. INCANDESCENT LAMPS SHALL BE RATED AT 130 VOLTS DESIGN VOLTAGE.

ALL PANELBOARDS SHALL BE DEAD-FRONT, SAFETY-TYPE EQUIPPED WITH SINGLE OR MULTI-POLE CIRCUIT BREAKERS, SPECIFIED IN THIS SECTION AND AS SCHEDULED ON THE DRAWINGS. ALL CIRCUIT BREAKERS SHALL BE BOLTED-TYPE, QUICK-MADE AND QUICK-BREAK TYPE OF MANUAL OPERATION, TRIP FEE, AND WITH INVERSE TIME CHARACTERISTICS SECURED THROUGH THE USE OF BIMETALLIC THERMAL-MAGNETIC TRIPPING ELEMENTS. ALL MULTI-POLE

BREAKERS SHALL HAVE A SIMULTANEOUS TRIP. SINGLE POLE, DOUBLE AND THREE-POLE CIRCUIT BREAKERS FOR LIGHTING AND POWER PANELBOARDS SHALL BE 240 VOLT, TYPE THQB FROM 15 AMPS, HAVING NEMA INTERRUPTING CAPACITY NOT LESS THAN 10,000 AMPERES A.C. AT 240 VOLTS OR

PANELBOARDS SHALL BE TYPE AQ PANEL BOARDS MANUFACTURED BY GE, SQUARE 'D', OR EATON/CUTLER-HAMMER. CIRCUIT BREAKERS IN LIGHTING PANEL SHALL BE APPROVED "SWITCHING TYPE" CIRCUIT BREAKERS.

NEUTRAL CONDUCTORS SHALL BE SOLID THROUGHOUT SAFETY SWITCHES AND FUSES. SAFETY SWITCHES SHALL BE TYPE TH AS MANUFACTURED BY GE, SQUARE D, OR EATON/CUTLER-HAMMER. ALL FUSES INSTALLED IN SAFETY SWITCHES THROUGHOUT THE CONTRACT SHALL BE NON-RENEWABLE DUAL ELEMENT TYPE. FUSES SHALL BE MANUFACTURED BY GOULD SHAWMUT

CONTRACTOR SHALL COOPERATE WITH OTHER SECTIONS FOR THE EXECUTION OF THIS WORK. SUPPLY AND COOPERATE IN THE PLACEMENT OF INSERTS, SLEEVES AND OTHER EQUIPMENT TO BE INSTALLED IN MASONRY. CAREFULLY CUT NECESSARY HOLES FOR THE INSTALLATION OF EQUIPMENT AND PATCH IN SUCH A MANNER AS TO MATCH THE ORIGINAL WORK. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE WORK OF HIS TRADE WITH THAT OF THE OTHER TRADES ON THE JOB. CONFLICTS WITH OTHER TRADES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION. WORK SHOULD ALSO BE COORDINATED AROUND PORTABLE AND MOBILE EQUIPMENT.

THE ELECTRICAL CONTRACTOR SHALL SCHEDULE HIS WORK SO THAT THE CONSTRUCTION SCHEDULE IS MAINTAINED.A THE ELECTRICAL CONTRACTOR SHALL REQUEST A COMPLETE SET OF THE ARCHITECTURAL, MECHANICAL, FIRE ALARM, IRRIGATION AND PLUMBING DRAWINGS TO PICK UP CONNECTIONS TO THE EQUIPMENT THE ELECTRICAL CONTRACTOR SHALL BE ALLOWED TO ROUTE SERVICE ENTRANCE CONDUCTORS TO SERVICE ENTRANCE PANELBOARDS BELOW SLAB INSIDE EACH BUILDING. TRANSITION TO GRSC AT ALL ELBOWS (TO INCLUDE ELBOW) TURNING UPWARD. HE SHALL KEEP AN

ACCURATE SET OF AS-BUILT DRAWINGS INDICATING DIMENSIONED LOCATIONS OF ALL FEEDERS ROUTED BELOW SLAB. EC SHALL BE ALLOWED TO ROUTE EXTERIOR POWER AND LIGHTING BRANCH CIRCUIT CONDUCTORS TO THEIR RESPECTIVE PANELBOARDS OR LIGHTING CONTACTOR CONTROL CABINETS BELOW SLAB INSIDE EACH BUILDING. TRANSITION TO GRSC AT ALL ELBOWS (TO INCLUDE ELBOW) TURNING UPWARD. EC SHALL KEEP AN ACCURATE SET OF AS-BUILT DRAWINGS INDICATING DIMENSIONED LOCATIONS OF ALL BRANCH CIRCUITS ROUTED BELOW SLAB.

THE ELECTRICAL CONTRACTOR SHALL INSTALL ONLY GRSC IN EXPOSED AREAS, UON. EMT MAY BE INSTALLED IN CONCEALED AREAS. ALL BRANCH CIRCUITS SHALL BE ROUTED ABOVE FINISHED CEILING INSIDE BUILDINGS.

THE ELECTRICAL CONTRACTOR SHALL INSTALL EITHER TYPE THHN OR THWN 90°C WIRE FOR ALL POWER CONDUCTORS. FLEXIBLE METALLIC CABLE SHALL ONLY BE USED FOR DROPS TO TYPE "F" CHAIN-HUNG LIGHTING FIXTURES IN THE ELECTRICAL AND UTILITY ROOMS. CEILING FIRE RATING INTEGRITY SHALL BE MAINTAINED WITH FITTINGS BFC AND AFC AS FLEXIBLE METALLIC CABLE TRANSITIONS THROUGH CEILING. MC CABLE SHALL BE ALLOWED FOR LIGHT FIXTURE WHIPS AND MECHANICAL EQUIPMENT CONNECTIONS. ALL LIGHTING FIXTURES SHALL BE LOCATED AS SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLAN.

SEE CIVIL DRAWINGS FOR EXACT ROUTING AND LOCATIONS OF UNDERGROUND DUCT BANKS AND MANHOLES.

SEE HVAC PLANS FOR EXACT QUANTITIES AND SPECIFICATIONS OF THE HVAC UNITS.

THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL CEILING CONSTRUCTION BEFORE ORDERING LIGHTING FIXTURES AND SHALL PROVIDE CORRECT MOUNTING IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS WITHOUT ADDITIONAL COST. LIGHTING FIXTURES

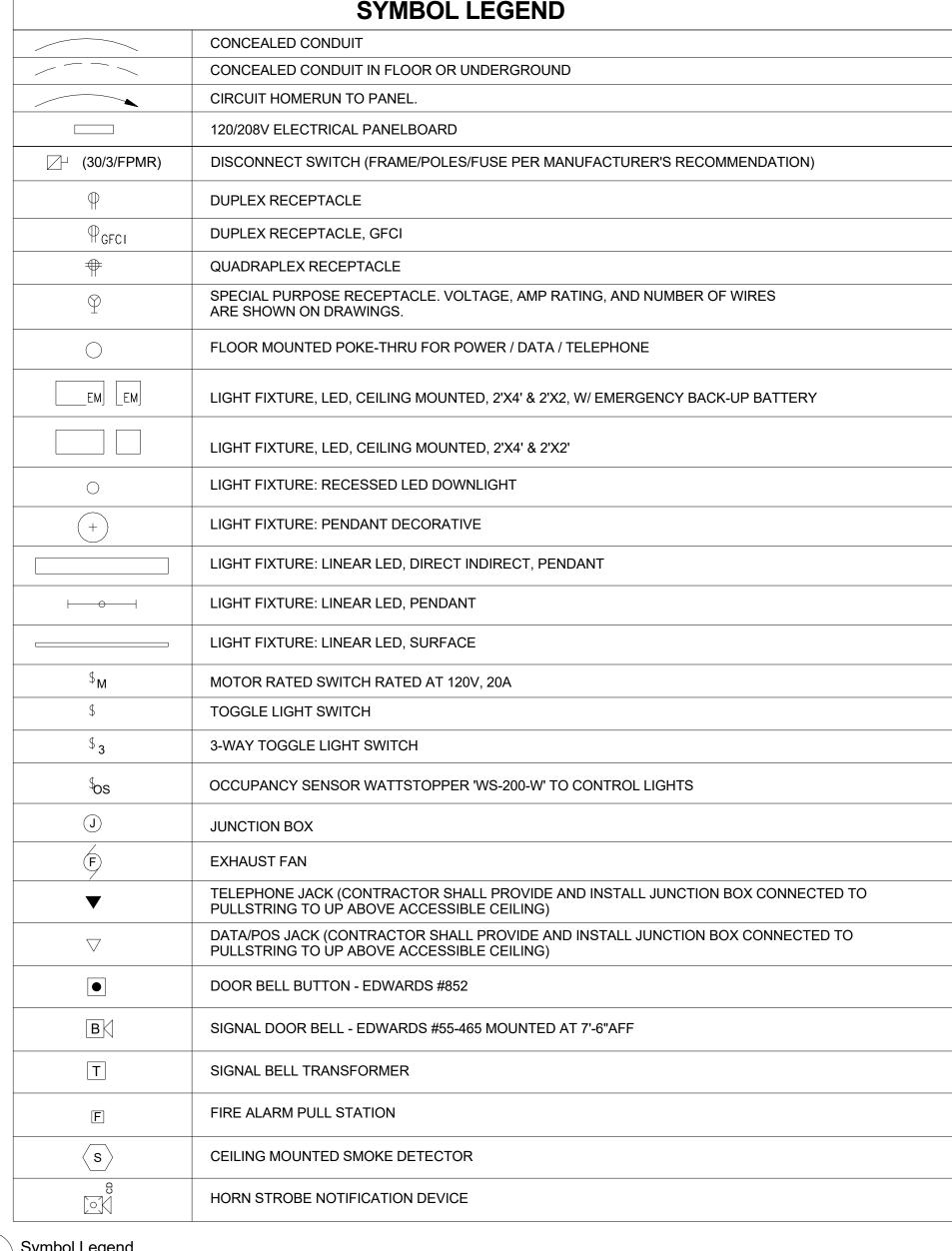
SHALL BE AS SCHEDULED, INCLUDING LAMPS. ALL CONDUIT RUNS SHALL BE MADE EITHER PARALLEL OR PERPENDICULAR TO STRUCTURES.A LL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH ALL NFPA AND OSHA REGULATIONS, AND ALL FEDERAL, STATE AND LOCAL LAWS, CODES, AND REGULATIONS.

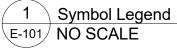
ALL WORK PERFORMED IN ACCORDANCE WITH THESE CONSTRUCTION DRAWINGS ARE IS TO BE INTEGRAL WITH THE ELECTRICAL (DIVISION 26) SPECIFICATIONS. IF ANY CONFLICTS SHOULD OCCUR BETWEEN THESE CONSTRUCTION DRAWINGS AND THE SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT OF THE TWO SHALL PREVAIL

ALL ELECTRICAL DEMOLITION SHALL INCLUDE ALL WIRING AND CONDUIT NOT TO BE RE-USED BEING DISCONNECTED AT BOTH ENDS, AND COMPLETELY REMOVED ALL THE WAY BACK TO ITS SOURCE OF POWER. NO WIRING OR CONDUIT SHALL BE ABANDONED IN PLACE THAT IS NOT RE-USED WITH THE EXCEPTION OF UNDERGROUND WIRING AND CONDUIT WHICH SHALL BE CUT BACK TO 12" BFG AND CAPPED TO MAINTAIN WATERTIGHT INTEGRITY.

ALL ELECTRICAL DEVICES SHALL BE LABELED WITH CIRCUIT # FROM WHICH IT IS FED. CUSTOMER REQUESTED AS A BID ALTERNATE A GROUNDING SYSTEMS AROUND NEW GYMNASIUM WITH CONNECTION TO EXISITING GROUNDING SYSTEM THAT MAY BE AROUND EXISITING BUILDINGS. CUSTOMER REQUESTED AS A BID ALTERNATE A COMPLETE LIGHTNING PROTECTION SYSTEM FOR THE NEW GYMNASIUM PER NFPA 780.

√ 4 \ General Electrical Notes

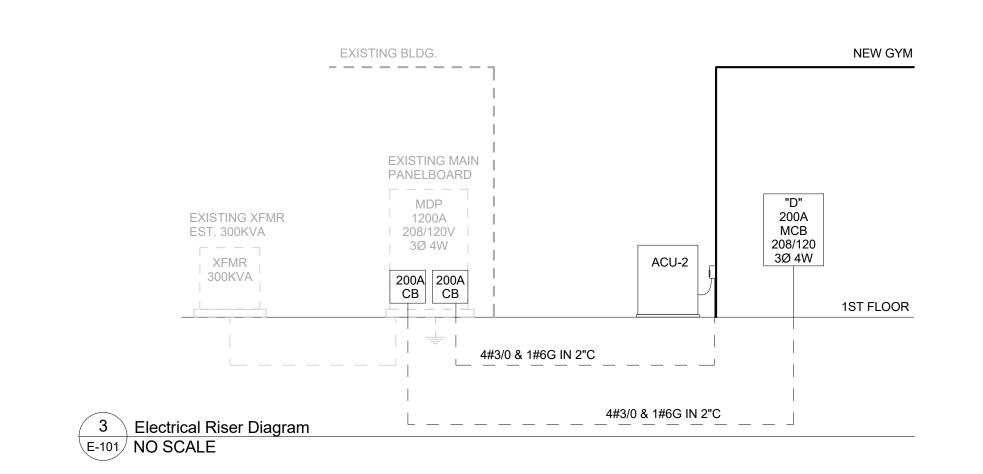




2 \ Abbreviations

\E-101/ NO SCALE

DED	DEDICATED CIRCUIT
NL	NIGHT LIGHT
EC	ELECTRICAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR
AC	ABOVE COUNTER
ВС	BELOW CEILING
IG	ISOLATED GROUND CIRCUIT
WP	WEATHERPROOF
GFCI	GROUND FAULT CIRCUIT INTERRUPTOR
NTS	NOT TO SCALE





WAKEFIELD BEASLEY & ASSOCIATES

ATLANTA · JACKSONVILLE · PANAMA



ROCKDALE COUNTY **DEPARTMEN**!

Print Record 5/3/2017 REVIEW SET 2017-05-15 90% CONSTRUCTION DOCUMENTS 2017-06-08 100% CONSTRUCTION DOCUMENTS 2017-06-29 BUILDING PERMIT SUBMISSION

No. DATE	DESCRIPTION
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Job No. 1607008000 06/08/2017 Sheet Title

LEGEND, NOTES, **RISER**

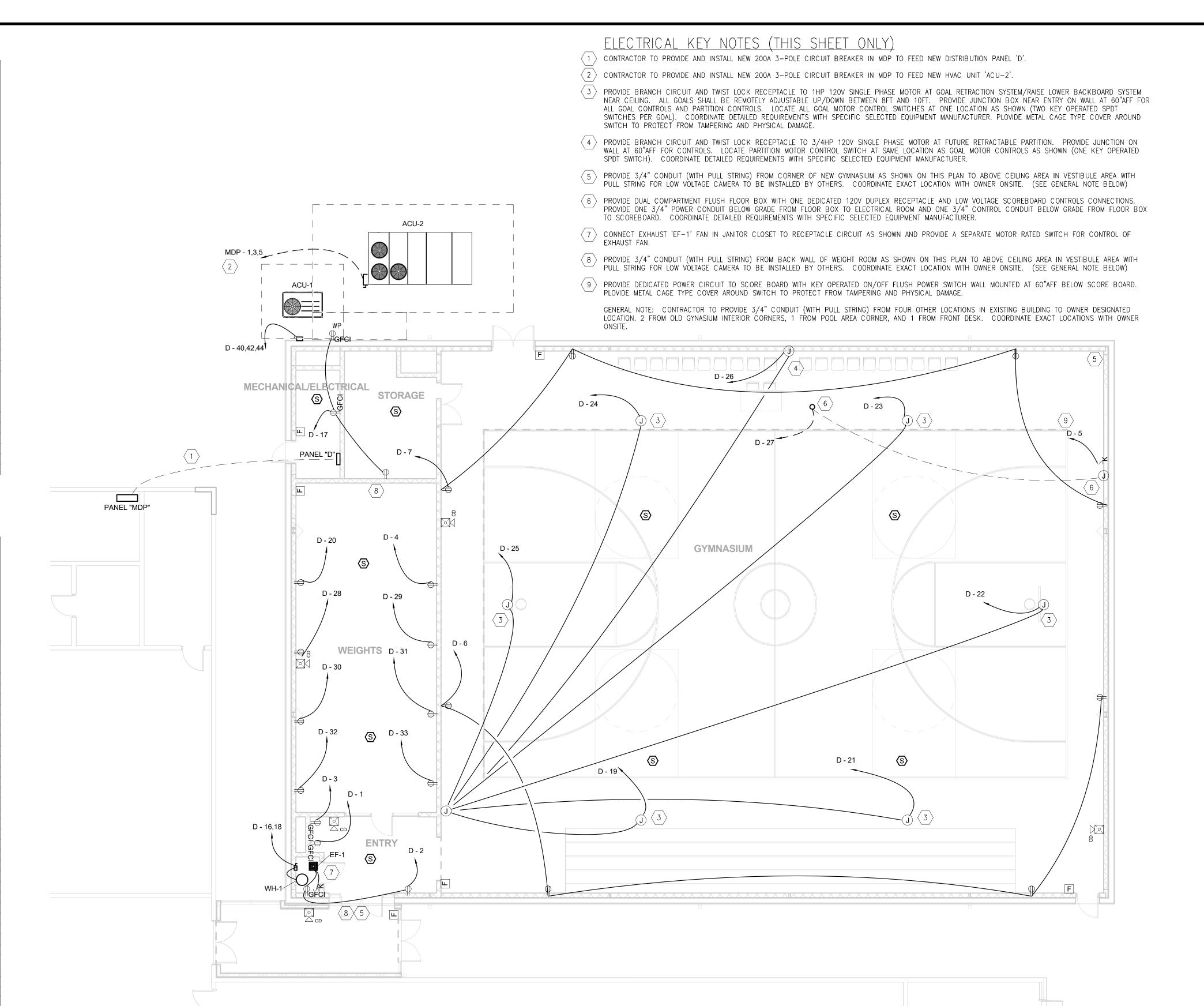
Sheet No.

	Location: MECHANI Supply From: MDP Mounting: Surface Enclosure: Type 1	CAL/ELECTI	RICAL			Volts: Phases: Wires:		3 Wye				A.I.C. Rating: Mains Type: Mains Rating: 225 A MCB Rating: 200 A		
Notes: * PROVI	DE HACR TYPE BREAKER FOR hvac EC	QUIPMENT												
СКТ	Circuit Description	Trip	Poles		A	E	3	C	;	Poles	Trip	Circuit Des	scription	СКТ
1	Receptacle - WATER COOLER #1	20 A	1	180	444 VA					1	20 A	Receptacles - ENTRY	<u> </u>	2
3	Receptacle - WATER COOLER #2	20 A	1			180 VA	1800			1	20 A	Receptacles - WEIGHT	S	4
5	Power - SCORE BOARD	20 A	1					500 VA	720	1	20 A	Receptacle - GYM		6
7	Receptacles - GYM	20 A	1	720	357 VA					2	20 A	Lighting - ENTRY / WEI	IGHTS / STORAGE	8
9	Lighting - GYM	20 A	2			990 VA	357 VA							10
11								990 VA	990	2	20 A	Lighting - GYM		12
13	Lighting - Exterior	20 A	2	385	990 VA									14
15						385 VA	1250			2	20 A	WH-1 - WATER HEATE	ER	16
17	Receptacle	20 A	1					540 VA	1250					18
19	Motor - Side Goal #1	40 A	1	1920	1800					1	20 A	Receptacle - WEIGHTS	3	20
21	Motor - Side Goal #2	40 A	1			1920	1920	1655	1055	1	40 A	Motor - Main Goal #2		22
23	Motor - Side Goal #3	40 A	1	4000	40=0			1920	1920	1	40 A	Motor - Side Goal #4		24
25	Motor - Main Goal #1	40 A	1	1920	1656	400 111	4000			1	35 A	Motor - Court Divider C		26
27	Floor Receptacle - Scorer's Table	20 A	1			180 VA	1800	4000	450	1	20 A	•		28
29	Receptacle - WEIGHTS	20 A	1	450	450.1/6			1800	450	1	20 A	Receptacle - WEIGHTS		30
31	Receptacle - WEIGHTS	20 A	1	450	450 VA					1	20 A	Receptacle - WEIGHTS)	32
33	Receptacle - WEIGHTS	20 A	1			450 VA		0 VA						34
35 37	Spare	20 A 20 A	1	0 VA				UVA						38
	Spare		1	UVA		0.1/4	2719			3	40.4	ACU-1 **(SEE NOTE A	BOVE)	
39	Spare	20 A 20 A	1			UVA	27 19	0.1/4	2740	-		ACU-I (SEE NOTE A	DUVE)	40
41 43	Spare	20 A	1	0 \/^	2719			0 VA	∠/ IÖ		<u></u>			44
43 45	Spare Spare	20 A	1	UVA	21 19	0 VA	0 VA			1	 20 Δ	Spare		44
45	Spare	20 A	1			UVA	UVA	0 VA	0 VA	1	20 A	•		48
49	Space			0 VA	0 VA			J VA	0 1/1			Space		50
 51	Space			JVA	3 47	0 VA	0 VA					Space		52
53	Space					5 77	5 7/1	0 VA	0 VA			Space		54
			Load:	139	91 VA	1395	1 VA	13799						
			Amps:		17 A		6 A	115		Т				
oad Cla	assification		nected			mand Fa		Estima		mand		Panel	Totals	
HVAC			8156 V			100.00%			156 VA					
	Exterior		770 V			125.00%			63 VA			Total Conn. Load:	41757 VA	
Motor -			100 V	A		125.00%)	1	25 VA			Total Est. Demand:	41034 VA	
Receptac	cle		11880 \	/A		92.09%		10	940 VA	١		Total Conn.:	116 A	
												Total Est. Demand:	114 A	
Notes:							'							

1 Floor Plan - Power E-102 1/8" = 1'-0"

MARY	LOAD ANALYSIS SUMM
432.31 KVA	EXISTING SERVICE CAPACITY (1200A @ 208V 3 PHASE)
152.96 KVA	PEAK DEMAND PREVIOUS 12 MONTHS
38.24 KVA	NEC REQUIRED 25% FACTOR
81.34 KVA	ADDITIONAL LOAD THIS PROJECT
272.54 KVA	TOTAL ESTIMATED PEAK DEMAND
159.77 KVA	REMAINING SERVICE CAPACITY AFTER ADDITION
272.54 KVA	TOTAL ESTIMATED PEAK DEMAND

2 LOAD ANALYSIS E-102 N.T.S.



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WAKEFIELD

BEASLEY &

ASSOCIATES

ATLANTA · JACKSONVILLE · PANAMA

ABU DHABI · DUBAI · SHANGHAI

ROCKDALE COUNTY

RECREATION AND

MAINTENANCE

DEPARTMENT

Revisions DESCRIPTION

Checked By Drawn By Job No. 1607008000 06/08/2017

Sheet Title

POWER & SYSTEM

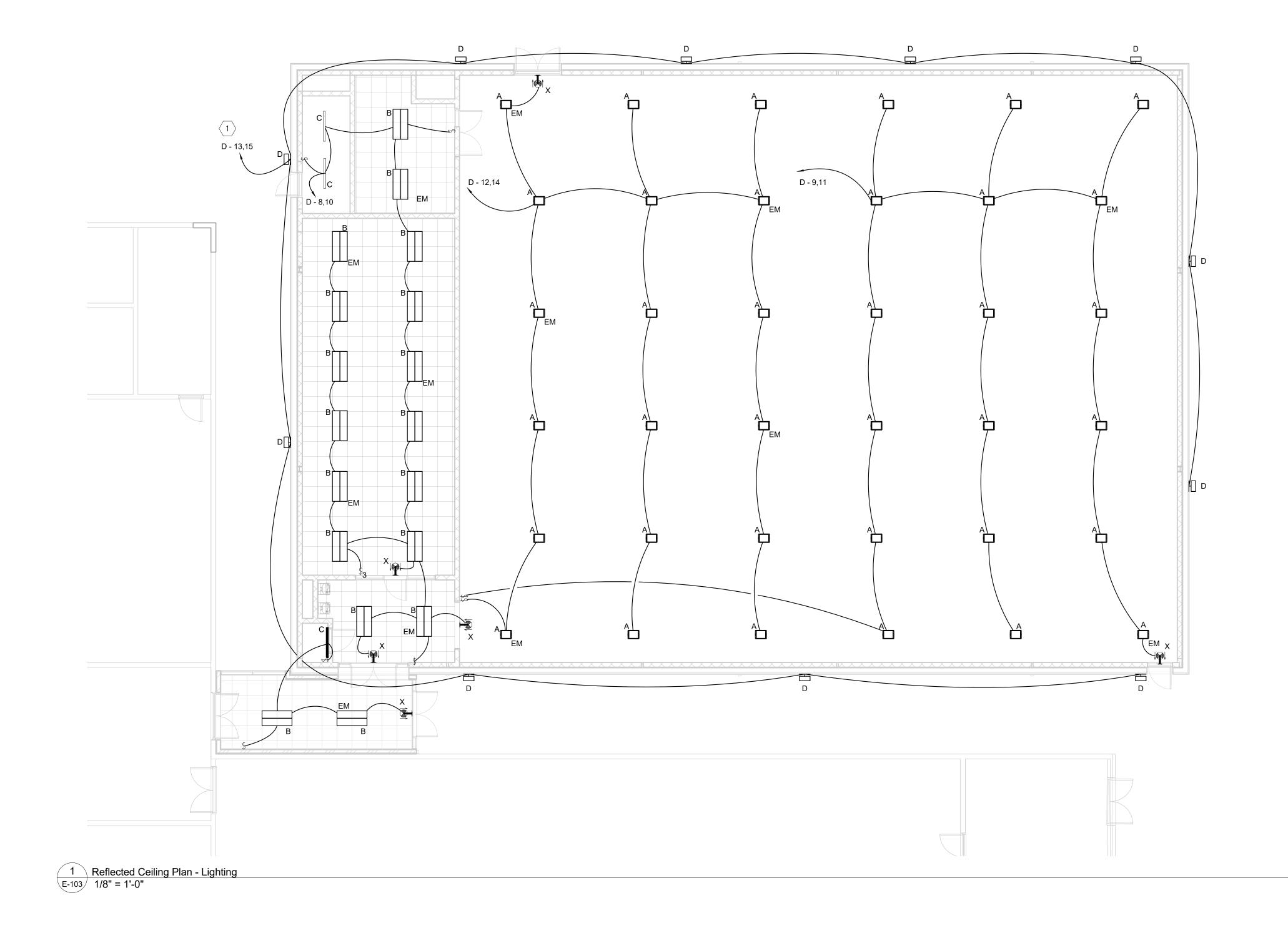
PLAN

Sheet No. E-102

NOT RELEASED FOR CONSTRUCTION

GEI GRIFFITH ENGINEERING GRIFFITH ENGINEERING 4360 CHAMBLEE DUNWOOD ROAD SUITE 210 ATLANTA, GEORGIA http://griffitheng.com | 770.451.6757 GEI Project # 16066

ELECTRICAL KEY NOTES (THIS SHEET ONLY) CONNECT EXTERIOR LIGHTING CIRCUIT THROUGH TIMECLOCK AND PHOTOCELL FOR CONTROL.



			L	ighting	Fixture	e Schedule	9				
MARK	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP TYPE	LUMENS	COLOR TEMPERATURE	EFFICACY	FIXTURE COLOR	VOLTAGE	WATTAGE	COMMENTS
A	HIGH BAY	ORACLE	CB2-LED-1300L-DIM10-MVOLT-W-40K-85-SFWLWGDF	LED	13000 lm	4000 K	36 lm/W	WHITE	208 V	110 W	SUSPEND FIXTURE AT 19' AFF TO BOTTOM OF FIXTURE. INSURE FIXTURE IS ORDERED WITH WIRE GUARD AS INDICATED IN CATALOG NUMBER.
В	2'X4' LAY-IN	LITHONIA LIGHTING	2GTL440LLP840	LED	4290 lm	4000 K	110 lm/W	WHITE	208 V	38.9 W	
С	4' INDUSTRIAL STRIP	LITHONIA LIGHTING	MNSL MV M6	LED	2100 lm	4000 K	88 lm/W	WHITE	208 V	24 W	WALL MOUNT FIXTURE ABOVE DOOR 7'-6" AFF
D	EXTERIOR WALL PACK	LITHONIA LIGHTING	CSXW LED 30C 700 40K T3M MVOLT	LED	6981 lm	3500 K	101 lm/W	BRONZE	208 V	69 W	MOUNT FIXTURE TO MATCH EXISTING FIXTURE HEIGHTS ON EXISTING BUILDING
X	LED EXIT SIGN	LITHONIA LIGHTING	LRP-2-RMR-120/277-ELN	LED	0 lm	4000 K	0 lm/W	WHITE	208 V	2.3 W	

WAKEFIELD BEASLEY & ASSOCIATES

ATLANTA · JACKSONVILLE · PANAMA ABU DHABI · DUBAI · SHANGHAI



ROCKDALE COUNTY RECREATION AND MAINTENANCE DEPARTMENT

Print Record 5/3/2017 REVIEW SET 2017-05-15 90% CONSTRUCTION DOCUMENTS 2017-06-08 100% CONSTRUCTION DOCUMENTS 2017-06-29 BUILDING PERMIT SUBMISSION

No.	DATE	DESCRIPTION							
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Sheet Title

GEI GRIFFITH ENGINEERING

GRIFFITH ENGINEERING
4360 CHAMBLEE DUNWOOD ROAD
SUITE 210
ATLANTA, GEORGIA
http://griffitheng.com | 770.451.6757
GEI Project # 16066

Sheet No. E-103

LIGHTING PLAN

FP-101/ 1/8" = 1'-0"

FIRE PROTECTION GENERAL NOTES

- 1. THIS BUILDING ADDITION SHALL BE FULLY SPRINKLED PER THE REQUIREMENTS OF THE CURRENT ACCEPTED EDITIONS OF THE INTERNATIONAL BUILDING CODE, THE INTERNATIONAL FIRE CODE, GEORGIA 120-3-3, THE LOCAL AUTHORITY HAVING JURISDICTION, THE OWNERS INSURANCE UNDERWRITER AND THESE CONTRACT DOCUMENTS.
- 2. SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE PROJECT ENGINEER FOR HIS REVIEW AND COMMENTS. THE SPRINKLER SYSTEM SHALL BE DESIGNED TO THE AVAILABLE CITY WATER SUPPLY. THE CONTRACTOR SHALL HAVE A CURRENT WATER TEST (LESS THAN THREE MONTHS OLD) PERFORMED PRIOR TO STARTING DESIGN. THE CONTRACTOR SHALL ALSO HAVE A 24 HOUR TEST PERFORMED AT THE SAME TIME AS THE FLOW TEST. THIS 24 HOUR TEST SHALL BE USED TO ADJUST THE STATIC AND RESIDUAL PRESSURES TO USE FOR HIS CALCULATIONS.
- 3. THE SHOP DRAWINGS SHALL BE DRAWN AT 1/8" SCALE AS A MINIMUM AND SHALL INCLUDE ALL ITEMS LISTED IN NFPA #13 2010 PARAGRAPH 22.1.3. THE SUBMITTED SHOP DRAWINGS SHALL BEAR THE NUMBER AND SIGNATURE OF CONTRACTOR'S CERTIFICATE OF COMPENCY HOLDER. THREE COPIES OF THE DRAWINGS AND CALCULATIONS BEARING THE STAMP OF APPROVAL FROM THE AUTHORITIES HAVING JURISDICTION SHALL BE PROVIDED TO THE ARCHITECT AND PROJECT ENGINEER PRIOR TO ORDERING, PURCHASING, FABRICATING, OR INSTALLING ANY SPRINKLERS.
- 4. THE CONTRACTOR SHALL COORDINATE THE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL FIRE PROTECTION EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREON. 5. ALL FIRE PROTECTION AND EQUIPMENT SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF
- FINAL ACCEPTANCE BY THE OWNER. 6. ALL PIPING ABOVE GRADE SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. PIPING SHALL BE HUNG FROM THE TOP CHORDS OF THE JOIST. HANGER TYPES AND LOCATIONS SHALL BE SHOWN ON THE SUBMITTED DRAWINGS. THE SYSTEMS SHALL BE RESTRAINED AGAINST A SEISMIC EVENT IF REQUIRED. 7. ALL FIRE PROTECTION EQUIPMENT SHALL BE INSTALLED ACCORDING TO THE MANUFACTURE'S RECOMMENDATIONS AND NFPA.
- 8. THE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY DESIGNED TO THE AVAILABLE WATER SUPPLY.
- 9. THE SPRINKLER SYSTEM SHALL BE DESIGNED FOR AN ORDINARY HAZARD GROUP I OCCUPANCY (.15 GPM PER SQ. FT. OVER THE MOST HYDRAULICALLY REMOTE 1500 SQ. FT. PLUS 30% IF CEILING SLOPE IS GREATER THAN 2 IN 12 PLUS 250 GPM FOR HOSE STREAMS.). SPRINKLERS SHALL BE QUICK RESPONSE HOWEVER A REDUCTION IN THE REMOTE AREA FOR THE USE OF QUICK RESPONSE SPRINKLERS IS NOT ALLOWED. THE HYDRAULIC CALCULATIONS SHALL BE PREPARED USING THE AREA DENSITY METHOD, HOWEVER AS STATED BEFORE THE HYDRAULICALLY REMOTE AREA SHALL NOT BE REDUCED BELOW 1500/1950 SQ. FT. FOR THE SYSTEM. THE SPRINKLERS SHALL BE SPACED TO ANY AND ALL OBSTRUCTIONS. EXTENDED COVERAGE SPRINKLERS MAY BE USED! A GRID SYSTEM MAY BE USED IN THE GYM. THE MINIMUN PIPE SIZE SHALL BE 1-1/4", EXCEPT PIPES SUPPLYING ONLY ONE(1) SPRINKLER HEAD MAY BE 1".
- 10. ALL CONTROL VALVES IF REQUIRED SHALL HAVE A TAMPER SWTICH SUPPLIED AND INSTALLED BY THE SPRINKLER CONTRACTOR, WIRING OF THE SWITCHES WILL BE BY THE ELECTRICAL CONTRACTOR.
- 11. A WATER FLOW INDICATOR AND WEATHER-PROOF ELECTRIC BELL IS EXISTING.
- 12. THE SPRINKLER SYSTEM EXPANSION SHALL BE A WET PIPE SPRINKLER SYSTEM. A FIRE DEPARTMENT CONNECTION IS EXISTING

13. WHERE THE REQUIREMENTS OF OWNERS AND THE OWNERS INSURANCE UNDERWRITERS AND THESE DOCUMENTS

- ONE IS CURRENTLY SHOWN ON THE END WALL OF THE BUILDING. THE CONTRACTOR SHALL INSTALL THE FIRE DEPARTMENT CONNECTION WHERE LOCAL FIRE DEPARTMENT DESIGNATES AT NO ADDITIONAL COST TO THE OWNER.
- EXCEED THOSE OF THE NATIONAL FIRE CODES AND THE BUILDING CODE THEY SHALL PREVAIL. 14. THE CONTRACTOR SHALL TIE-IN TO THE EXISTING SPRINKLER RISER ABOVE ALL CONTROL VALVES AND ALARM DEVICES
- AND EXTEND A NEW FEED MAIN TO THE NEW ADDITION TO SUPPLY THE NEW SPRINKLERS. THIS MAIN AND THE NEW SPRINKLER PIPE SHALL BE HYDRAULICALLY CALCULATED AS DESCRIBED HERE IN.
- 15. ALL SPRINKLER PIPING SHALL BE INSTALLED AS HIGH AS THE BUILDING STRUCTURE WILL PERMIT IN AREAS WITHOUT CEILINGS. THE SPRINKLERS IN EXPOSED AREAS SHALL BE SPACED TO THE BUILDING STRUCTURE AND ALL OTHER TRADES. 16. SMALL FRAME QUICK RESPONSE UPRIGHT SPRINKLERS SHALL BE PROVIDED IN ALL AREAS WITHOUT CEILINGS.
- 17. 1" THROUGH 1-1/2" PIPE SHALL BE SCHEDULE 40. 2" AND LARGER PIPE MAY BE SCHEDULE 10 OR SCHEDULE 7. THREADED LIGHT WALL
- PIPE IS NOT ALLOWED. 18. SPRINKLERS HEADS SHALL BE:
- A. BRASS UPRIGHT OR PENDENT IN AREAS OF EXPOSED STRUCTURE.
- B. FULLY CONCEALED PENDENT IN AREAS WITH CEILINGS.
- C. EXTENDED COVERAGE SPRINKLERS MAY BE USED.
- D. HEAD GUARDS WILL BE PROVIDED FOR ALL SPRINKLERS EXPOSED TO CONTACT BY OBJECTS.
- 19. A PROPERLY COMPLETED CONTRACTORS MATERIAL AND TEST CERTIFICATE SHALL BE PROVIDED FOR THE INSIDE PORTION OF THE SYSTEM.
- 20. THE SPRINKLER SYSTEMS SHALL BE HUNG, SUPPORTED, IN ACCORDANCE WITH NFPA #13. HANGER LOCATIONS SHALL BE SHOWN ON THE SUBMITTAL DRAWINGS AT THE LOCATIONS THEY ARE REQUIRED TO BE PER NFPA 13.

WAKEFIELD BEASLEY & ASSOCIATES

ATLANTA · JACKSONVILLE · PANAMA ABU DHABI · DUBAI · SHANGHAI



ROCKDALE COUNTY RECREATION AND **MAINTENANCE** DEPARTMENT

Print Record 5/3/2017 REVIEW SET 2017-05-15 90% CONSTRUCTION DOCUMENTS 2017-06-08 100% CONSTRUCTION DOCUMENTS 2017-06-29 BUILDING PERMIT SUBMISSION

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FIRE PROTECTION PLAN

NOT RELEASED FOR CONSTRUCTION

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