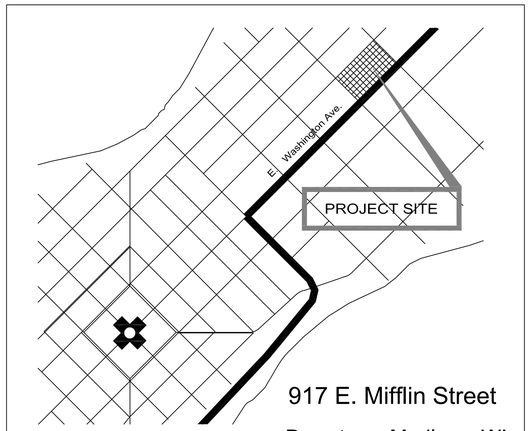
BREESE STEVENS FIELD
CONCESSION AND RESTROOM BUILDING

CITY OF MADISON CONTRACT: 8222
MUNIS: 17158 -51 -140

LOCATION MAP



NORTH

BUILDING & CODE INFORMATION

NOTE: BUILDING USE IS LIMITED TO THREE-SEASON USE BY OWNER AND DESIGNED ACCORDINGLY.

LEGAL DESCRIPTION
SW ¼ lot, Block 160, City of Madison, Dane County, Wisconsin

PARCEL NUMBER
070913120013

AREA OF PROPOSED ADDITION
3,780 GSF - One Story, Enclosed

AREA OF PROPOSED INTERIOR RENOVATION
766 SF - Lower Level, 1925 Grandstand

Jurisdictional Code: 2015 International Existing Building Code (IEBC) as adopted by the State of Wisconsin

Chapter 3 - Use and Occupancy Classification
Existing Use and Occupancy: A-4 Covered Stadiums in areas where grandstands have a canopy
Chapter 4 – Classification of Work
Section 402, Repairs: 1925 Grandstand. Section 407, Addition: Concessions.
Chapter 10 – Additions
Chapter 11 – Historic Buildings

Public Toilet Facilities
Eventual upgrade to accommodate 4,000 persons:
50% Women, 50% Men

Fixture Breakdown by Gender	% Accessible Fixtures by Gender	This Project
WOMEN	WOMEN	WOMEN
46 water closets	3 wc accessible stalls/ 1 min. per location	1wca/4 wc
14 lavatories	1 (ambulatory) water closet per ea. location min.	1wc(a)
2 drinking fountains	1 lavatory/ 1 per location min. 1 drinking fountain	1 – 4 user lav
MEN	MEN	MEN
24 water closets	2 wc accessible stalls/ 1 min. per location	1wca/1wc(a)
10 lavatories	1 (ambulatory) stall per ea. location min.	4 urinals
2 drinking fountains	1 lavatory/ 1 per location min.	1 – 4 user lav
50% wc for urinals	1 drinking fountain	

GENERAL NOTES

1. IT IS THE RESPONSIBILITY OF EVERY CONTRACTOR/SUB CONTRACTOR TO REVIEW THE ENTIRE SET OF DRAWINGS AND SPECS. NO EXCEPTIONS.

2.CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PLAN REVIEWS, PERMITS, INSPECTIONS AND TESTING.

3. FIELD VERIFY AND MARK ALL UTILITIES. PRIOR TO CONSTRUCTION, CONTACT DIGGERS HOTLINE.

4. PROVIDE ALL MISCELLANEOUS BLOCKING AND SUPPORTS.

5.CONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPENCIES.

SHEET LEGEND

ROOM NAME / ROOM NUMBER (102)
WINDOW TAG (W201)
DOOR TAG (D201)
INTERIOR ELEVATION REFERENCE
BUILDING SECTION REFERENCE
VERTICAL ELEVATION SYMBOL
DETAIL REFERENCE
WALL TYPE SYMBOL (A)

PROJECT DIRECTORY

OWNER
CITY OF MADISON - CITY PARKS
210 MARTIN LUTHER KING JR BLVD
ROOM 104
MADISON, WI 53701-2987

CONTACT: MIKE STURM
PHONE: 608-261-9688
EMAIL: msturm@cityofmadison.com

ARCHITECT
ISTHMUS ARCHITECTURE, INC.
613 WILLIAMSON ST, SUITE 203
MADISON, WI 53703

CONTACT: PETER ROTT
PHONE: 608-310-5362
EMAIL: rott@is-arch.com

MECH, ELECTRICAL, PLUMBING ENGINEERS
HENNEMAN ENGINEERING, INC.
1232 FOURIER DRIVE, SUITE 101
MADISON, WI 53717-1960

CONTACT: TYSON GLIMME
PHONE: 608-833-7000
EMAIL: tglimme@henneman.com

STRUCTURAL/CIVIL ENGINEERS
raSMITH
5250 EAST TERRACE DRIVE, SUITE 108
MADISON, WI 53718-8345

CONTACT: WAYNE VANDENBERGH
PHONE: 608-421-5316
EMAIL: wayne.vandenbergh@raSmith.com

FOOD SERVICE CONSULTANT
CAPITAL FOOD SERVICE DESIGN
1522 LAKE VIEW AVENUE
MADISON, WI 53704

CONTACT: BRIAN NELSON
PHONE: 608-514-4373
EMAIL: brian@capitalfsdesign.com

SHEET INDEX

ISTHMUS
ARCHITECTURE, INC.

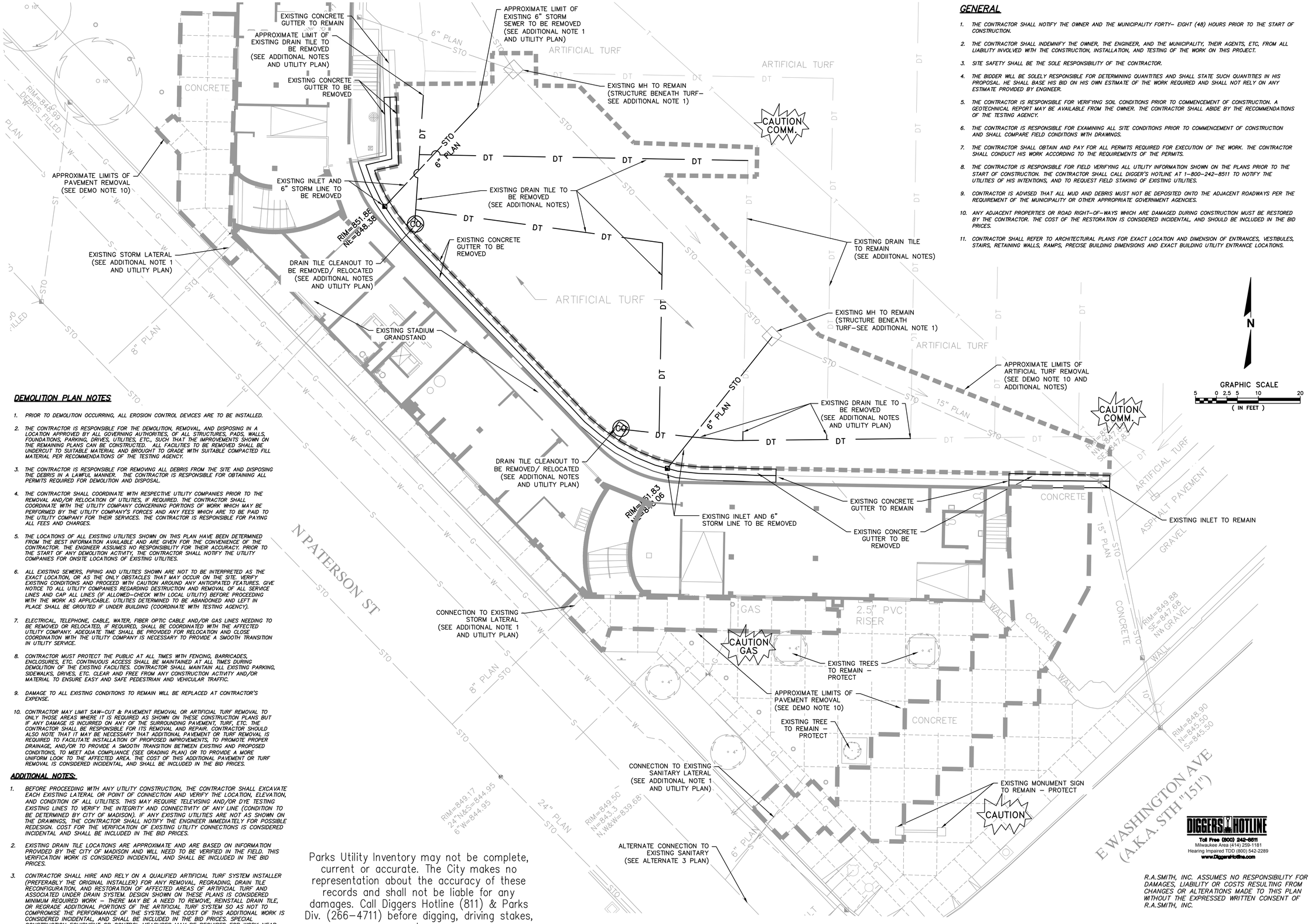
BREESE STEVENS FIELD
CONCESSION
AND
RESTROOM
BUILDING

Project
Proj. No.: 1617.02

Scale:
Drawn By: ..

Date: 04-16-2018
07-13-2018

Sheet No:
T0.1



GENERAL

1. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE MUNICIPALITY FORTY– EIGHT (48) HOURS PRIOR TO THE START OF CONSTRUCTION.
2. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, THE ENGINEER, AND THE MUNICIPALITY, THEIR AGENTS, ETC, FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.
3. SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. THE BIDDER WILL BE SOLELY RESPONSIBLE FOR DETERMINING QUANTITIES AND SHALL STATE SUCH QUANTITIES IN HIS PROPOSAL. HE SHALL BASE HIS BID ON HIS OWN ESTIMATE OF THE WORK REQUIRED AND SHALL NOT RELY ON ANY ESTIMATE PROVIDED BY ENGINEER.
5. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. A GEOTECHNICAL REPORT MAY BE AVAILABLE FROM THE OWNER. THE CONTRACTOR SHALL ABIDE BY THE RECOMMENDATIONS OF THE TESTING AGENCY.
6. THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING ALL SITE CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL COMPARE FIELD CONDITIONS WITH DRAWINGS.
7. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR EXECUTION OF THE WORK. THE CONTRACTOR SHALL CONDUCT HIS WORK ACCORDING TO THE REQUIREMENTS OF THE PERMITS.
8. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY INFORMATION SHOWN ON THE PLANS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL DIGGER'S HOTLINE AT 1–800–242–8511 TO NOTIFY THE UTILITIES OF HIS INTENTIONS, AND TO REQUEST FIELD STAKING OF EXISTING UTILITIES.
9. CONTRACTOR IS ADVISED THAT ALL MUD AND DEBRIS MUST NOT BE DEPOSITED ONTO THE ADJACENT ROADWAYS PER THE REQUIREMENT OF THE MUNICIPALITY OR OTHER APPROPRIATE GOVERNMENT AGENCIES.
10. ANY ADJACENT PROPERTIES OR ROAD RIGHT–OF–WAYS WHICH ARE DAMAGED DURING CONSTRUCTION MUST BE RESTORED BY THE CONTRACTOR. THE COST OF THE RESTORATION IS CONSIDERED INCIDENTAL, AND SHOULD BE INCLUDED IN THE BID PRICES.
11. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND DIMENSION OF ENTRANCES, VESTIBULES, STAIRS, RETAINING WALLS, RAMPS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.

DEMOLITION PLAN NOTES

1. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSING IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES, OF ALL STRUCTURES, PADS, WALLS, FOUNDATIONS, PARKING, DRIVES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER RECOMMENDATIONS OF THE TESTING AGENCY.
3. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
4. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES, IF REQUIRED. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
5. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES.
6. ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES (IF ALLOWED–CHECK WITH LOCAL UTILITY) BEFORE PROCEEDING WITH THE WORK AS APPLICABLE. UTILITIES DETERMINED TO BE ABANDONED AND LEFT IN PLACE SHALL BE GROUTED IF UNDER BUILDING (COORDINATE WITH TESTING AGENCY).
7. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED, IF REQUIRED, SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE.
8. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. CONTINUOUS ACCESS SHALL BE MAINTAINED AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES. CONTRACTOR SHALL MAINTAIN ALL EXISTING PARKING, SIDEWALKS, DRIVES, ETC. CLEAR AND FREE FROM ANY CONSTRUCTION ACTIVITY AND/OR MATERIAL TO ENSURE EASY AND SAFE PEDESTRIAN AND VEHICULAR TRAFFIC.
9. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
10. CONTRACTOR MAY LIMIT SAW–CUT & PAVEMENT REMOVAL OR ARTIFICIAL TURF REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, TURF, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR. CONTRACTOR SHOULD ALSO NOTE THAT IT MAY BE NECESSARY THAT ADDITIONAL PAVEMENT OR TURF REMOVAL IS REQUIRED TO FACILITATE INSTALLATION OF PROPOSED IMPROVEMENTS, TO PROMOTE PROPER DRAINAGE, AND/OR TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND PROPOSED CONDITIONS, TO MEET ADA COMPLIANCE (SEE GRADING PLAN) OR TO PROVIDE A MORE UNIFORM LOOK TO THE AFFECTED AREA. THE COST OF THIS ADDITIONAL PAVEMENT OR TURF REMOVAL IS CONSIDERED INCIDENTAL, AND SHALL BE INCLUDED IN THE BID PRICES.

ADDITIONAL NOTES:

1. BEFORE PROCEEDING WITH ANY UTILITY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE EACH EXISTING LATERAL OR POINT OF CONNECTION AND VERIFY THE LOCATION, ELEVATION, AND CONDITION OF ALL UTILITIES. THIS MAY REQUIRE TELEVISING AND/OR DYE TESTING EXISTING LINES TO VERIFY THE INTEGRITY AND CONNECTIVITY OF ANY LINE (CONDITION TO BE DETERMINED BY CITY OF MADISON). IF ANY EXISTING UTILITIES ARE NOT AS SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR POSSIBLE REDESIGN. COST FOR THE VERIFICATION OF EXISTING UTILITY CONNECTIONS IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE BID PRICES.
2. EXISTING DRAIN TILE LOCATIONS ARE APPROXIMATE AND ARE BASED ON INFORMATION PROVIDED BY THE CITY OF MADISON AND WILL NEED TO BE VERIFIED IN THE FIELD. THIS VERIFICATION WORK IS CONSIDERED INCIDENTAL, AND SHALL BE INCLUDED IN THE BID PRICES.
3. CONTRACTOR SHALL HIRE AND RELY ON A QUALIFIED ARTIFICIAL TURF SYSTEM INSTALLER (PREFERABLY THE ORIGINAL INSTALLER) FOR ANY REMOVAL, REGRADING, DRAIN TILE RECONFIGURATION, AND RESTORATION OF AFFECTED AREAS OF ARTIFICIAL TURF AND ASSOCIATED UNDER DRAIN SYSTEM. DESIGN SHOWN ON THESE PLANS IS CONSIDERED MINIMUM REQUIRED WORK – THERE MAY BE A NEED TO REMOVE, REINSTALL DRAIN TILE, OR REGRADE ADDITIONAL PORTIONS OF THE ARTIFICIAL TURF SYSTEM SO AS NOT TO COMPROMISE THE PERFORMANCE OF THE SYSTEM. THE COST OF THIS ADDITIONAL WORK IS CONSIDERED INCIDENTAL, AND SHALL BE INCLUDED IN THE BID PRICES. SPECIAL CONSTRUCTION EQUIPMENT OR CONTROL MEASURES MAY BE REQUIRED FOR WORK NEAR THE EXISTING SYSTEM.

Parks Utility Inventory may not be complete, current or accurate. The City makes no representation about the accuracy of these records and shall not be liable for any damages. Call Diggers Hotline (811) & Parks Div. (266–4711) before digging, driving stakes, etc.

GRAPHIC SCALE
5 0 2.5 5 10 20
(IN FEET)

DIGGERS HOTLINE
Toll Free (800) 242–8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

ISTHMUS
ARCHITECTURE, INC.
613 Williamson Street
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Madison, WI 53703
raSmith
CREATIVITY BEYOND ENGINEERING
5250 E. Terrace Dr., Ste. 108
Madison, WI 53718-8345
(608) 467-3034
rasmith.com

Project Number:1160426

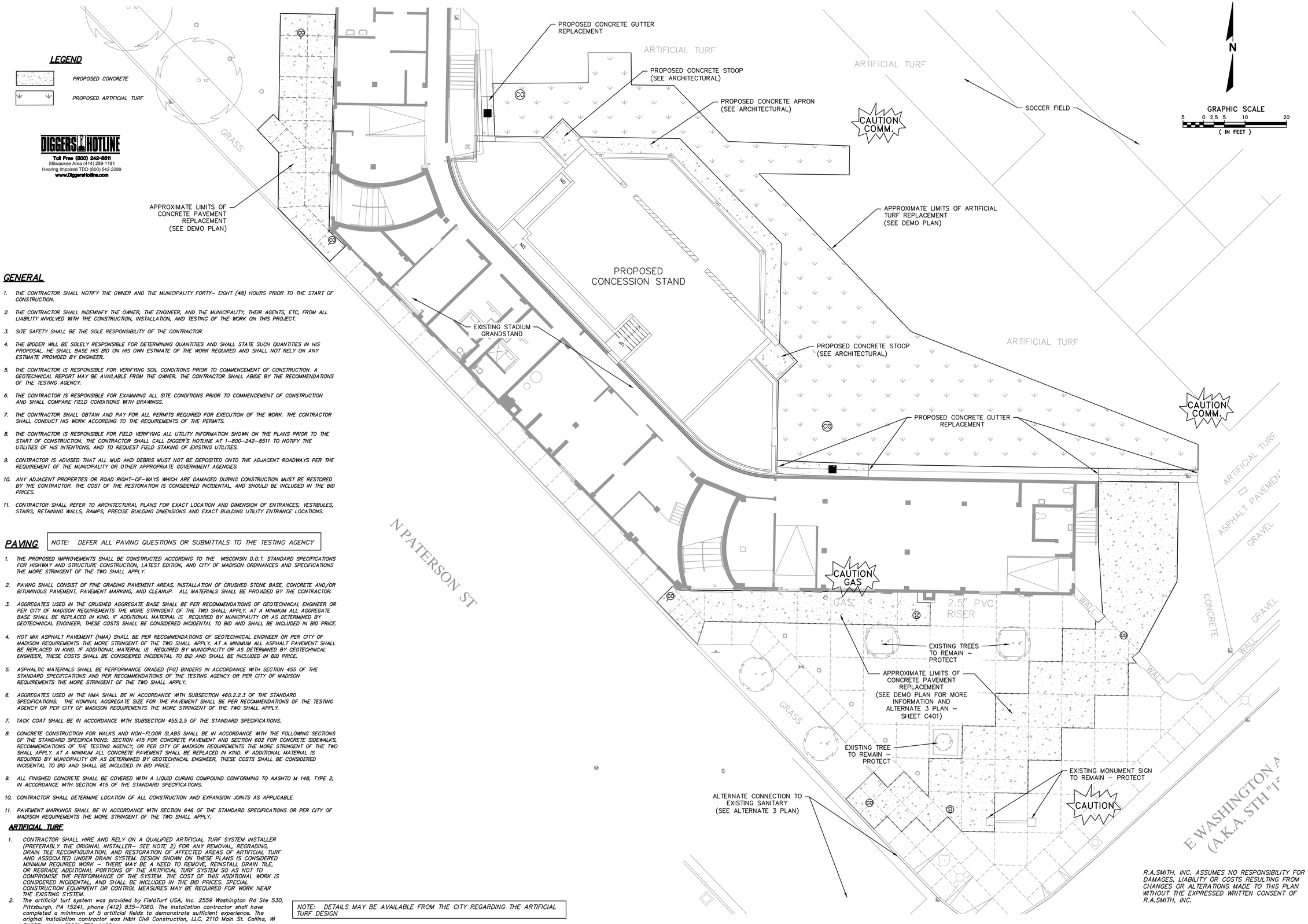
BREESE STEVENS FIELD
CONCESSIONS & RESTROOM BUILDING ADDITION

Project
Proj. No.: 1617.02

DEMOLITION PLAN

Scale: NOTED
Drawn By: RJH
Date: 07-13-2018

Sheet No:
C100



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PAVING

NOTE: DEFER ALL PAVING QUESTIONS OR SUBMITTALS TO THE TESTING AGENCY

1. THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO THE WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, AND CITY OF MADISON ORDINANCES AND SPECIFICATIONS THE MORE STRINGENT OF THE TWO SHALL APPLY.
2. PAVING SHALL CONSIST OF FINE GRADING PAVEMENT AREAS, INSTALLATION OF CRUSHED STONE BASE, CONCRETE AND/OR BITUMINOUS PAVEMENT, PAVEMENT MARKING, AND CLEANUP. ALL MATERIALS SHALL BE PROVIDED BY THE CONTRACTOR.
3. AGGREGATES USED IN THE CRUSHED AGGREGATE BASE SHALL BE PER RECOMMENDATIONS OF GEOTECHNICAL ENGINEER OR PER CITY OF MADISON REQUIREMENTS THE MORE STRINGENT OF THE TWO SHALL APPLY. AT A MINIMUM ALL AGGREGATE BASE SHALL BE REPLACED IN KIND. IF ADDITIONAL MATERIAL IS REQUIRED BY MUNICIPALITY OR AS DETERMINED BY GEOTECHNICAL ENGINEER, THESE COSTS SHALL BE CONSIDERED INCIDENTAL TO BID AND SHALL BE INCLUDED IN BID PRICE.
4. HOT MIX ASPHALT PAVEMENT (HMA) SHALL BE PER RECOMMENDATIONS OF GEOTECHNICAL ENGINEER OR PER CITY OF MADISON REQUIREMENTS THE MORE STRINGENT OF THE TWO SHALL APPLY. AT A MINIMUM ALL ASPHALT PAVEMENT SHALL BE REPLACED IN KIND. IF ADDITIONAL MATERIAL IS REQUIRED BY MUNICIPALITY OR AS DETERMINED BY GEOTECHNICAL ENGINEER, THESE COSTS SHALL BE CONSIDERED INCIDENTAL TO BID AND SHALL BE INCLUDED IN BID PRICE.
5. ASPHALTIC MATERIALS SHALL BE PERFORMANCE GRADED (PG) BINDERS IN ACCORDANCE WITH SECTION 455 OF THE STANDARD SPECIFICATIONS AND PER RECOMMENDATIONS OF THE TESTING AGENCY OR PER CITY OF MADISON REQUIREMENTS THE MORE STRINGENT OF THE TWO SHALL APPLY.
6. AGGREGATES USED IN THE HMA SHALL BE IN ACCORDANCE WITH SUBSECTION 460.2.2.3 OF THE STANDARD SPECIFICATIONS. THE NOMINAL AGGREGATE SIZE FOR THE PAVEMENT SHALL BE PER RECOMMENDATIONS OF THE TESTING AGENCY OR PER CITY OF MADISON REQUIREMENTS THE MORE STRINGENT OF THE TWO SHALL APPLY.
7. TACK COAT SHALL BE IN ACCORDANCE WITH SUBSECTION 455.2.5 OF THE STANDARD SPECIFICATIONS.
8. CONCRETE CONSTRUCTION FOR WALKS AND NON–FLOOR SLABS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SECTIONS OF THE STANDARD SPECIFICATIONS: SECTION 415 FOR CONCRETE PAVEMENT AND SECTION 602 FOR CONCRETE SIDEWALKS, RECOMMENDATIONS OF THE TESTING AGENCY, OR PER CITY OF MADISON REQUIREMENTS THE MORE STRINGENT OF THE TWO SHALL APPLY. AT A MINIMUM ALL CONCRETE PAVEMENT SHALL BE REPLACED IN KIND. IF ADDITIONAL MATERIAL IS REQUIRED BY MUNICIPALITY OR AS DETERMINED BY GEOTECHNICAL ENGINEER, THESE COSTS SHALL BE CONSIDERED INCIDENTAL TO BID AND SHALL BE INCLUDED IN BID PRICE.
9. ALL FINISHED CONCRETE SHALL BE COVERED WITH A LIQUID CURING COMPOUND CONFORMING TO AASHTO M 148, TYPE 2, IN ACCORDANCE WITH SECTION 415 OF THE STANDARD SPECIFICATIONS.
10. CONTRACTOR SHALL DETERMINE LOCATION OF ALL CONSTRUCTION AND EXPANSION JOINTS AS APPLICABLE.
11. PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH SECTION 646 OF THE STANDARD SPECIFICATIONS OR PER CITY OF MADISON REQUIREMENTS THE MORE STRINGENT OF THE TWO SHALL APPLY.

ARTIFICIAL TURF

1. CONTRACTOR SHALL HIRE AND RELY ON A QUALIFIED ARTIFICIAL TURF SYSTEM INSTALLER (PREFERABLY THE ORIGINAL INSTALLER– SEE NOTE 2) FOR ANY REMOVAL, REGRADING, DRAIN TILE RECONFIGURATION, AND RESTORATION OF AFFECTED AREAS OF ARTIFICIAL TURF AND ASSOCIATED UNDER DRAIN SYSTEM. DESIGN SHOWN ON THESE PLANS IS CONSIDERED MINIMUM REQUIRED WORK – THERE MAY BE A NEED TO REMOVE, REINSTALL DRAIN TILE, OR REGRADE ADDITIONAL PORTIONS OF THE ARTIFICIAL TURF SYSTEM SO AS NOT TO COMPROMISE THE PERFORMANCE OF THE SYSTEM. THE COST OF THIS ADDITIONAL WORK IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE BID PRICES. SPECIAL CONSTRUCTION EQUIPMENT OR CONTROL MEASURES MAY BE REQUIRED FOR WORK NEAR THE EXISTING SYSTEM.
2. The artificial turf system was provided by FieldTurf USA, Inc. 2559 Washington Rd Ste 530, Pittsburgh, PA 15241, phone (412) 835–7060. The installation contractor shall have completed a minimum of 5 artificial fields to demonstrate sufficient experience. The original installation contractor was H&H Civil Construction, LLC, 2110 Main St. Collins, WI 54207, phone (920) 772–4422.

NOTE: DETAILS MAY BE AVAILABLE FROM THE CITY REGARDING THE ARTIFICIAL TURF DESIGN

ISTHMUS
ARCHITECTURE, INC.
613 Williamson Street
Suite 203
Madison, WI 53703
raSmith
CREATIVITY BEYOND ENGINEERING
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Madison, WI 53718-8345
(608) 467-3034
rasmith.com

Project Number:1160426

BREESE STEVENS FIELD
CONCESSIONS & RESTROOM BUILDING ADDITION

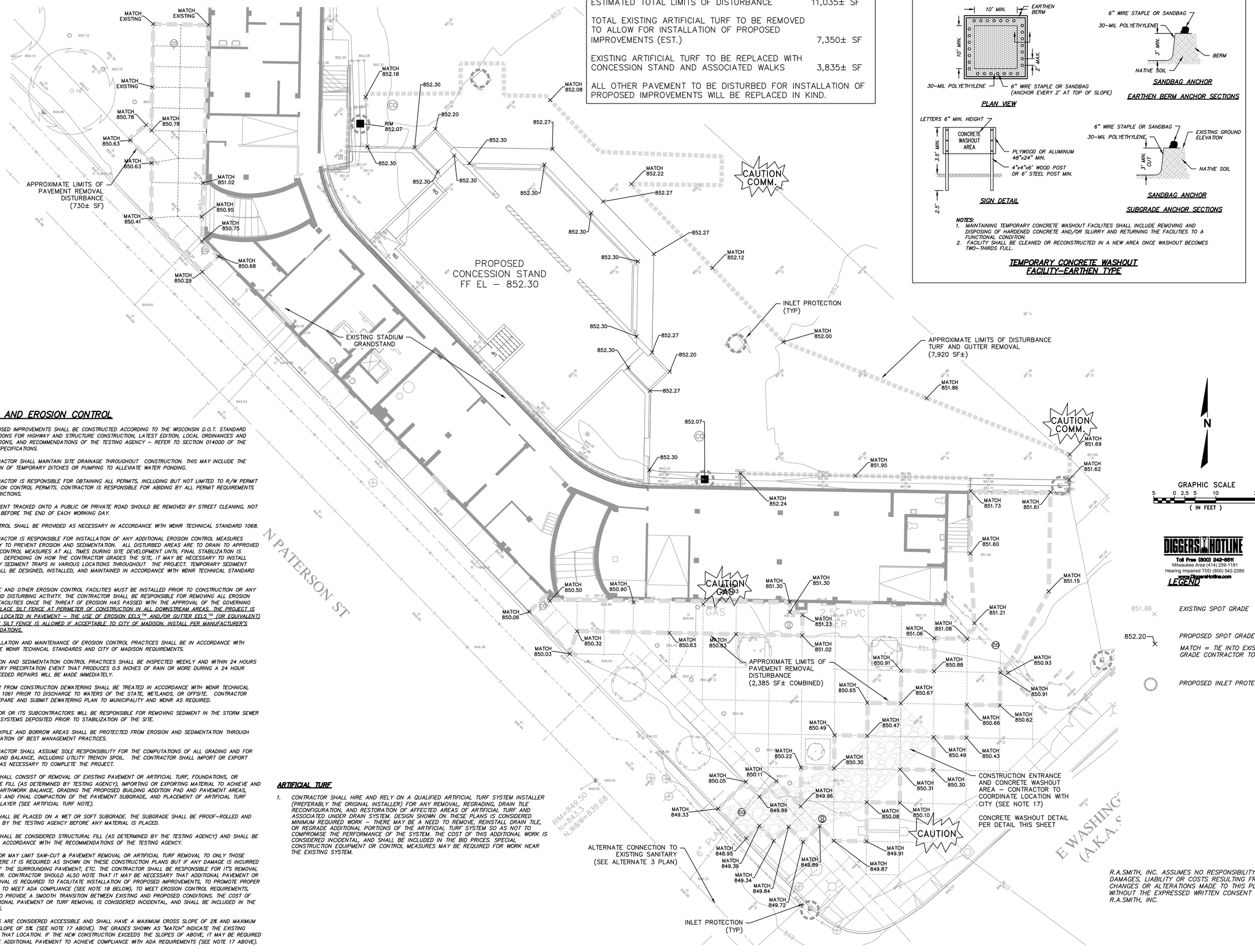
Project
Proj. No.: 1617.02
SITE PLAN

Scale: NOTED
Drawn By: RJH
Date: 07-13-2018

Sheet No:
C200

ESTIMATED TOTAL LIMITS OF DISTURBANCE	11,035± SF
TOTAL EXISTING ARTIFICIAL TURF TO BE REMOVED TO ALLOW FOR INSTALLATION OF PROPOSED IMPROVEMENTS (EST.)	7,350± SF
EXISTING ARTIFICIAL TURF TO BE REPLACED WITH CONCESSION STAND AND ASSOCIATED WALKS	3,835± SF

ALL OTHER PAVEMENT TO BE DISTURBED FOR INSTALLATION OF PROPOSED IMPROVEMENTS WILL BE REPLACED IN KIND.



NOTES:
1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

TEMPORARY CONCRETE WASHOUT FACILITY-EARTHEN TYPE

GRADING AND EROSION CONTROL

1. THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO THE WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, LOCAL ORDINANCES AND SPECIFICATIONS, AND RECOMMENDATIONS OF THE TESTING AGENCY – REFER TO SECTION 014000 OF THE PROJECT SPECIFICATIONS.
2. THE CONTRACTOR SHALL MAINTAIN SITE DRAINAGE THROUGHOUT CONSTRUCTION. THIS MAY INCLUDE THE EXCAVATION OF TEMPORARY DITCHES OR PUMPING TO ALLEVIATE WATER PONDING.
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS, INCLUDING BUT NOT LIMITED TO R/W PERMIT AND EROSION CONTROL PERMITS. CONTRACTOR IS RESPONSIBLE FOR ABIDING BY ALL PERMIT REQUIREMENTS AND RESTRICTIONS.
4. ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING, NOT FLUSHING, BEFORE THE END OF EACH WORKING DAY.
5. DUST CONTROL SHALL BE PROVIDED AS NECESSARY IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1068.
6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED. DEPENDING ON HOW THE CONTRACTOR GRADES THE SITE, IT MAY BE NECESSARY TO INSTALL TEMPORARY SEDIMENT TRAPS IN VARIOUS LOCATIONS THROUGHOUT THE PROJECT. TEMPORARY SEDIMENT TRAPS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1063.
7. SILT FENCE AND OTHER EROSION CONTROL FACILITIES MUST BE INSTALLED PRIOR TO CONSTRUCTION OR ANY OTHER LAND DISTURBING ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EROSION CONTROL FACILITIES ONCE THE THREAT OF EROSION HAS PASSED WITH THE APPROVAL OF THE GOVERNING AGENCY. PLACE SILT FENCE AT PERIMETER OF CONSTRUCTION IN ALL DOWNSTREAM AREAS. THE PROJECT IS PRIMARILY LOCATED IN PAVEMENT – THE USE OF EROSION EELS™ AND/OR GUTTER EELS™ (OR EQUIVALENT) IN LIEU OF SILT FENCE IS ALLOWED IF ACCEPTABLE TO CITY OF MADISON. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
8. ALL INSTALLATION AND MAINTENANCE OF EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH APPLICABLE WDNR TECHINCAL STANDARDS AND CITY OF MADISON REQUIREMENTS.
9. ALL EROSION AND SEDIMENTATION CONTROL PRACTICES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD. NEEDED REPAIRS WILL BE MADE IMMEDIATELY.
10. ALL WATER FROM CONSTRUCTION DEWATERING SHALL BE TREATED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061 PRIOR TO DISCHARGE TO WATERS OF THE STATE, WETLANDS, OR OFFSITE. CONTRACTOR SHALL PREPARE AND SUBMIT DEWATERING PLAN TO MUNICIPALITY AND WDNR AS REQUIRED.
11. CONTRACTOR OR ITS SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE STORM SEWER DRAINAGE SYSTEMS DEPOSITED PRIOR TO STABILIZATION OF THE SITE.
12. SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES.
13. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE COMPUTATIONS OF ALL GRADING AND FOR ACTUAL LAND BALANCE, INCLUDING UTILITY TRENCH SPOIL. THE CONTRACTOR SHALL IMPORT OR EXPORT MATERIAL AS NECESSARY TO COMPLETE THE PROJECT.
14. GRADING SHALL CONSIST OF REMOVAL OF EXISTING PAVEMENT OR ARTIFICIAL TURF, FOUNDATIONS, OR UNSUITABLE FILL (AS DETERMINED BY TESTING AGENCY), IMPORTING OR EXPORTING MATERIAL TO ACHIEVE AND ON-SITE EARTHWORK BALANCE, GRADING THE PROPOSED BUILDING ADDITION PAD AND PAVEMENT AREAS, SCARIFYING AND FINAL COMPACTION OF THE PAVEMENT SUBGRADE, AND PLACEMENT OF ARTIFICIAL TURF DRAINAGE LAYER (SEE ARTIFICIAL TURF NOTE).
15. NO FILL SHALL BE PLACED ON A WET OR SOFT SUBGRADE. THE SUBGRADE SHALL BE PROOF-ROLLED AND INSPECTED BY THE TESTING AGENCY BEFORE ANY MATERIAL IS PLACED.
16. ALL FILL SHALL BE CONSIDERED STRUCTURAL FILL (AS DETERMINED BY THE TESTING AGENCY) AND SHALL BE PLACED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE TESTING AGENCY.
17. CONTRACTOR MAY LIMIT SAW-CUT & PAVEMENT REMOVAL OR ARTIFICIAL TURF REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IT'S REMOVAL AND REPAIR. CONTRACTOR SHOULD ALSO NOTE THAT IT MAY BE NECESSARY THAT ADDITIONAL PAVEMENT OR TURF REMOVAL IS REQUIRED TO FACILITATE INSTALLATION OF PROPOSED IMPROVEMENTS, TO PROMOTE PROPER DRAINAGE, TO MEET ADA COMPLIANCE (SEE NOTE 18 BELOW), TO MEET EROSION CONTROL REQUIREMENTS, AND/OR TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND PROPOSED CONDITIONS. THE COST OF THIS ADDITIONAL PAVEMENT OR TURF REMOVAL IS CONSIDERED INCIDENTAL, AND SHALL BE INCLUDED IN THE BID PRICES.
18. ALL WALKS ARE CONSIDERED ACCESSIBLE AND SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND MAXIMUM RUNNING SLOPE OF 5% (SEE NOTE 17 ABOVE). THE GRADES SHOWN AS "MATCH" INDICATE THE EXISTING GRADE AT THAT LOCATION. IF THE NEW CONSTRUCTION EXCEEDS THE SLOPES OF ABOVE, IT MAY BE REQUIRED TO REMOVE ADDITIONAL PAVEMENT TO ACHIEVE COMPLIANCE WITH ADA REQUIREMENTS (SEE NOTE 17 ABOVE).

ARTIFICIAL TURF

1. CONTRACTOR SHALL HIRE AND RELY ON A QUALIFIED ARTIFICIAL TURF SYSTEM INSTALLER (PREFERABLY THE ORIGINAL INSTALLER) FOR ANY REMOVAL, REGRADING, DRAIN TILE RECONFIGURATION, AND RESTORATION OF AFFECTED AREAS OF ARTIFICIAL TURF AND ASSOCIATED UNDER DRAIN SYSTEM. DESIGN SHOWN ON THESE PLANS IS CONSIDERED MINIMUM REQUIRED WORK – THERE MAY BE A NEED TO REMOVE, REINSTALL DRAIN TILE, OR REGRADE ADDITIONAL PORTIONS OF THE ARTIFICIAL TURF SYSTEM SO AS NOT TO COMPROMISE THE PERFORMANCE OF THE SYSTEM. THE COST OF THIS ADDITIONAL WORK IS CONSIDERED INCIDENTAL, AND SHALL BE INCLUDED IN THE BID PRICES. SPECIAL CONSTRUCTION EQUIPMENT OR CONTROL MEASURES MAY BE REQUIRED FOR WORK NEAR THE EXISTING SYSTEM.

GRAPHIC SCALE
5 0 2.5 5 10 20
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LEGEND

851.86 × EXISTING SPOT GRADE
852.20 × PROPOSED SPOT GRADE
MATCH = TIE INTO EXISTING GRADE CONTRACTOR TO VERIFY
PROPOSED INLET PROTECTION

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Project Number:1160426

BREESE STEVENS FIELD
CONCESSIONS & RESTROOM BUILDING ADDITION

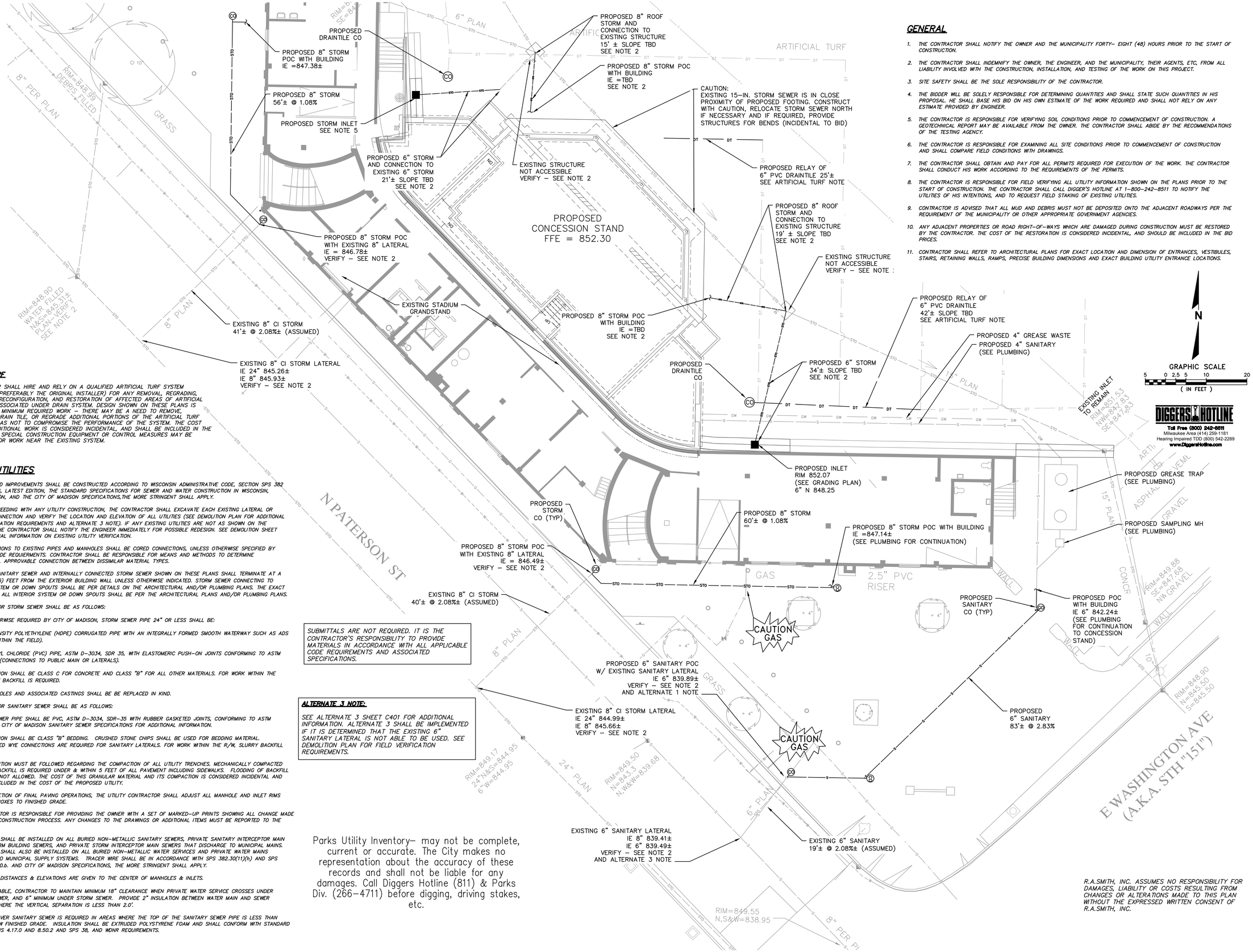
Project	
Proj. No.:	1617.02

GRADING AND EROSION CONTROL PLAN

Scale:	NOTED
Drawn By:	RJH
Date:	07-13-2018

Sheet No:

C300



GENERAL

1. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE MUNICIPALITY FORTY– EIGHT (48) HOURS PRIOR TO THE START OF CONSTRUCTION.
2. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, THE ENGINEER, AND THE MUNICIPALITY, THEIR AGENTS, ETC, FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.
3. SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. THE BIDDER WILL BE SOLELY RESPONSIBLE FOR DETERMINING QUANTITIES AND SHALL STATE SUCH QUANTITIES IN HIS PROPOSAL. HE SHALL BASE HIS BID ON HIS OWN ESTIMATE OF THE WORK REQUIRED AND SHALL NOT RELY ON ANY ESTIMATE PROVIDED BY ENGINEER.
5. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. A GEOTECHNICAL REPORT MAY BE AVAILABLE FROM THE OWNER. THE CONTRACTOR SHALL ABIDE BY THE RECOMMENDATIONS OF THE TESTING AGENCY.
6. THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING ALL SITE CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL COMPARE FIELD CONDITIONS WITH DRAWINGS.
7. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR EXECUTION OF THE WORK. THE CONTRACTOR SHALL CONDUCT HIS WORK ACCORDING TO THE REQUIREMENTS OF THE PERMITS.
8. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY INFORMATION SHOWN ON THE PLANS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL DIGGER'S HOTLINE AT 1-800-242-8511 TO NOTIFY THE UTILITIES OF HIS INTENTIONS, AND TO REQUEST FIELD STAKING OF EXISTING UTILITIES.
9. CONTRACTOR IS ADVISED THAT ALL MUD AND DEBRIS MUST NOT BE DEPOSITED ONTO THE ADJACENT ROADWAYS PER THE REQUIREMENT OF THE MUNICIPALITY OR OTHER APPROPRIATE GOVERNMENT AGENCIES.
10. ANY ADJACENT PROPERTIES OR ROAD RIGHT-OF-WAYS WHICH ARE DAMAGED DURING CONSTRUCTION MUST BE RESTORED BY THE CONTRACTOR. THE COST OF THE RESTORATION IS CONSIDERED INCIDENTAL, AND SHOULD BE INCLUDED IN THE BID PRICES.
11. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND DIMENSION OF ENTRANCES, VESTIBULES, STAIRS, RETAINING WALLS, RAMPS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.

ARTIFICIAL TURF

1. CONTRACTOR SHALL HIRE AND RELY ON A QUALIFIED ARTIFICIAL TURF SYSTEM INSTALLER (PREFERABLY THE ORIGINAL INSTALLER) FOR ANY REMOVAL, REGRADING, DRAIN TILE RECONFIGURATION, AND RESTORATION OF AFFECTED AREAS OF ARTIFICIAL TURF AND ASSOCIATED UNDER DRAIN SYSTEM. DESIGN SHOWN ON THESE PLANS IS CONSIDERED MINIMUM REQUIRED WORK – THERE MAY BE A NEED TO REMOVE, REINSTALL DRAIN TILE, OR REGRADE ADDITIONAL PORTIONS OF THE ARTIFICIAL TURF SYSTEM SO AS NOT TO COMPROMISE THE PERFORMANCE OF THE SYSTEM. THE COST OF THIS ADDITIONAL WORK IS CONSIDERED INCIDENTAL, AND SHALL BE INCLUDED IN THE BID PRICES. SPECIAL CONSTRUCTION EQUIPMENT OR CONTROL MEASURES MAY BE REQUIRED FOR WORK NEAR THE EXISTING SYSTEM.

PRIVATE UTILITIES

1. THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO WISCONSIN ADMINISTRATIVE CODE, SECTION SPS 382 AND SPS 384, LATEST EDITION, THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, LATEST EDITION, AND THE CITY OF MADISON SPECIFICATIONS, THE MORE STRINGENT SHALL APPLY.
2. BEFORE PROCEEDING WITH ANY UTILITY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE EACH EXISTING LATERAL OR POINT OF CONNECTION AND VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES (SEE DEMOLITION PLAN FOR ADDITIONAL FIELD VERIFICATION REQUIREMENTS AND ALTERNATE 3 NOTE). IF ANY EXISTING UTILITIES ARE NOT AS SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR POSSIBLE REDESIGN. SEE DEMOLITION SHEET FOR ADDITIONAL INFORMATION ON EXISTING UTILITY VERIFICATION.
3. ALL CONNECTIONS TO EXISTING PIPES AND MANHOLES SHALL BE CORED CONNECTIONS, UNLESS OTHERWISE SPECIFIED BY PLUMBING CODE REQUIERMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS TO DETERMINE APPROPRIATE, APPROVABLE CONNECTION BETWEEN DISSIMILAR MATERIAL TYPES.
4. PROPOSED SANITARY SEWER AND INTERNALLY CONNECTED STORM SEWER SHOWN ON THESE PLANS SHALL TERMINATE AT A POINT FIVE (5) FEET FROM THE EXTERIOR BUILDING WALL UNLESS OTHERWISE INDICATED. STORM SEWER CONNECTING TO INTERIOR SYSTEM OR DOWN SPOUTS SHALL BE PER DETAILS ON THE ARCHITECTURAL AND/OR PLUMBING PLANS. THE EXACT LOCATION OF ALL INTERIOR SYSTEM OR DOWN SPOUTS SHALL BE PER THE ARCHITECTURAL PLANS AND/OR PLUMBING PLANS.
5. MATERIALS FOR STORM SEWER SHALL BE AS FOLLOWS:

   UNLESS OTHERWISE REQUIRED BY CITY OF MADISON, STORM SEWER PIPE 24" OR LESS SHALL BE:

   A) HIGH DENSITY POLYETHYTLENE (HDPE) CORRUGATED PIPE WITH AN INTEGRALLY FORMED SMOOTH WATERWAY SUCH AS ADS N-12 (WITHIN THE FIELD).

   B) POLYVINYL CHLORIDE (PVC) PIPE, ASTM D-3034, SDR 35, WITH ELASTOMERIC PUSH-ON JOINTS CONFORMING TO ASTM D-3212 (CONNECTIONS TO PUBLIC MAIN OR LATERALS).

   TRENCH SECTION SHALL BE CLASS C FOR CONCRETE AND CLASS "B" FOR ALL OTHER MATERIALS. FOR WORK WITHIN THE R/W, SLURRY BACKFILL IS REQUIRED.

   INLETS/MANHOLES AND ASSOCIATED CASTINGS SHALL BE BE REPLACED IN KIND.
6. MATERIALS FOR SANITARY SEWER SHALL BE AS FOLLOWS:

   SANITARY SEWER PIPE SHALL BE PVC, ASTM D-3034, SDR-35 WITH RUBBER GASKETED JOINTS, CONFORMING TO ASTM D-3212. SEE CITY OF MADISON SANITARY SEWER SPECIFICATIONS FOR ADDITIONAL INFORMATION.

   TRENCH SECTION SHALL BE CLASS "B" BEDDING. CRUSHED STONE CHIPS SHALL BE USED FOR BEDDING MATERIAL. PREFABRICATED WYE CONNECTIONS ARE REQUIRED FOR SANITARY LATERALS. FOR WORK WITHIN THE R/W, SLURRY BACKFILL IS REQUIRED.
7. EXTREME CAUTION MUST BE FOLLOWED REGARDING THE COMPACTION OF ALL UTILITY TRENCHES. MECHANICALLY COMPACTED GRANULAR BACKFILL IS REQUIRED UNDER & WITHIN 5 FEET OF ALL PAVEMENT INCLUDING SIDEWALKS. FLOODING OF BACKFILL MATERIAL IS NOT ALLOWED. THE COST OF THIS GRANULAR MATERIAL AND ITS COMPACTION IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF THE PROPOSED UTILITY.
8. UPON COMPLETION OF FINAL PAVING OPERATIONS, THE UTILITY CONTRACTOR SHALL ADJUST ALL MANHOLE AND INLET RIMS AND VALVE BOXES TO FINISHED GRADE.
9. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE OWNER WITH A SET OF MARKED-UP PRINTS SHOWING ALL CHANGE MADE DURING THE CONSTRUCTION PROCESS. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE OWNER.
10. TRACER WIRE SHALL BE INSTALLED ON ALL BURIED NON-METALLIC SANITARY SEWERS, PRIVATE SANITARY INTERCEPTOR MAIN SEWERS, STORM BUILDING SEWERS, AND PRIVATE STORM INTERCEPTOR MAIN SEWERS THAT DISCHARGE TO MUNICIPAL MAINS. TRACER WIRE SHALL ALSO BE INSTALLED ON ALL BURIED NON-METALLIC WATER SERVICES AND PRIVATE WATER MAINS CONNECTED TO MUNICIPAL SUPPLY SYSTEMS. TRACER WIRE SHALL BE IN ACCORDANCE WITH SPS 382.30(11)(h) AND SPS 382.36(7)(d)10.b. AND CITY OF MADISON SPECIFICATIONS, THE MORE STRINGENT SHALL APPLY.
11. PIPE LENGTH DISTANCES & ELEVATIONS ARE GIVEN TO THE CENTER OF MANHOLES & INLETS.
12. WHEN APPLICABLE, CONTRACTOR TO MAINTAIN MINIMUM 18" CLEARANCE WHEN PRIVATE WATER SERVICE CROSSES UNDER SANITARY SEWER, AND 6" MINIMUM UNDER STORM SEWER. PROVIDE 2" INSULATION BETWEEN WATER MAIN AND SEWER CROSSINGS WHERE THE VERTICAL SEPARATION IS LESS THAN 2.0'.
13. INSULATION OVER SANITARY SEWER IS REQUIRED IN AREAS WHERE THE TOP OF THE SANITARY SEWER PIPE IS LESS THAN 7-FEET BELOW FINISHED GRADE. INSULATION SHALL BE EXTRUDED POLYSTYRENE FOAM AND SHALL CONFORM WITH STANDARD SPECIFICATIONS 4.17.0 AND 8.50.2 AND SPS 38, AND WDNR REQUIREMENTS.

SUBMITTALS ARE NOT REQUIRED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS IN ACCORDANCE WITH ALL APPLICABLE CODE REQUIREMENTS AND ASSOCIATED SPECIFICATIONS.

ALTERNATE 3 NOTE:

SEE ALTERNATE 3 SHEET C401 FOR ADDITIONAL INFORMATION. ALTERNATE 3 SHALL BE IMPLEMENTED IF IT IS DETERMINED THAT THE EXISTING 6" SANITARY LATERAL IS NOT ABLE TO BE USED. SEE DEMOLITION PLAN FOR FIELD VERIFICATION REQUIREMENTS.

Parks Utility Inventory– may not be complete, current or accurate. The City makes no representation about the accuracy of these records and shall not be liable for any damages. Call Diggers Hotline (811) & Parks Div. (266-4711) before digging, driving stakes, etc.

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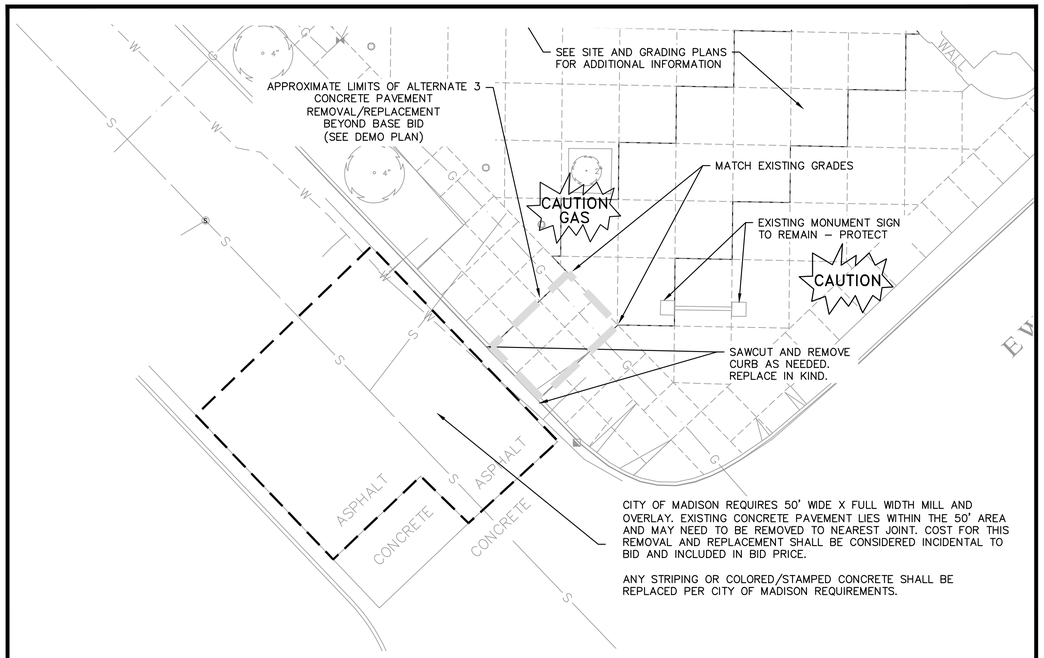
BREESE STEVENS FIELD
CONCESSIONS & RESTROOM BUILDING ADDITION

Project
Proj. No.: 1617.02

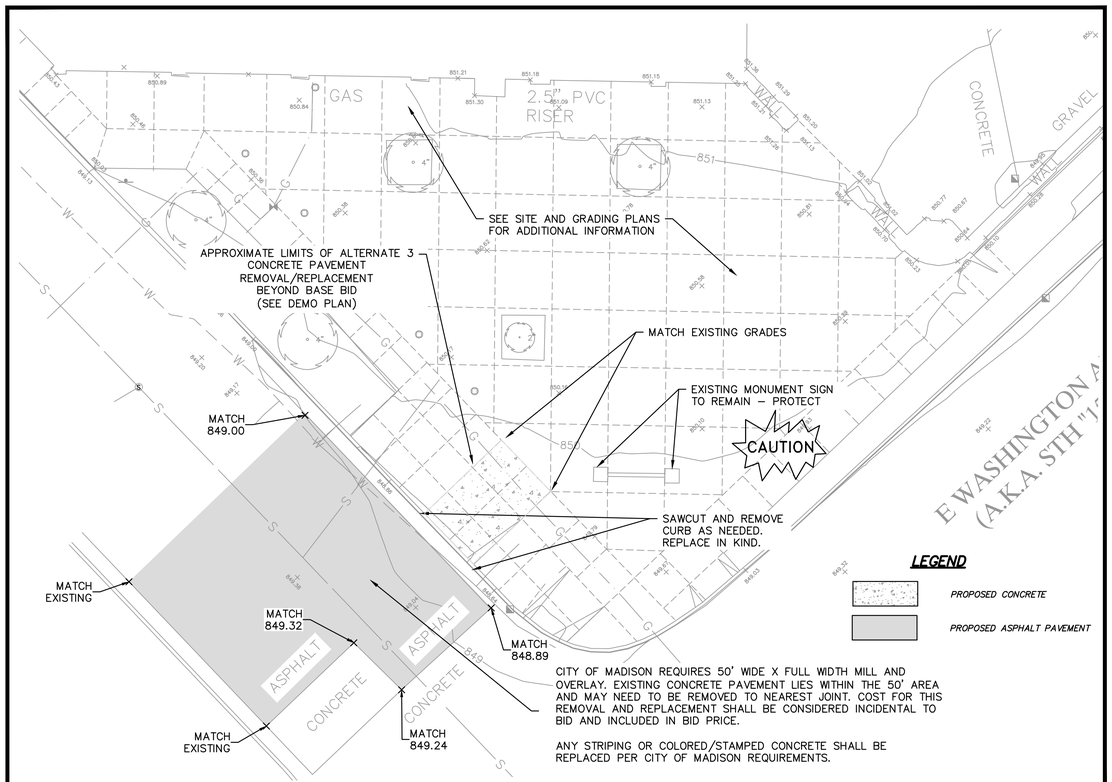
UTILITY PLAN

Scale: NOTED
Drawn By: RJH
Date: 07-13-2018

Sheet No:
C400



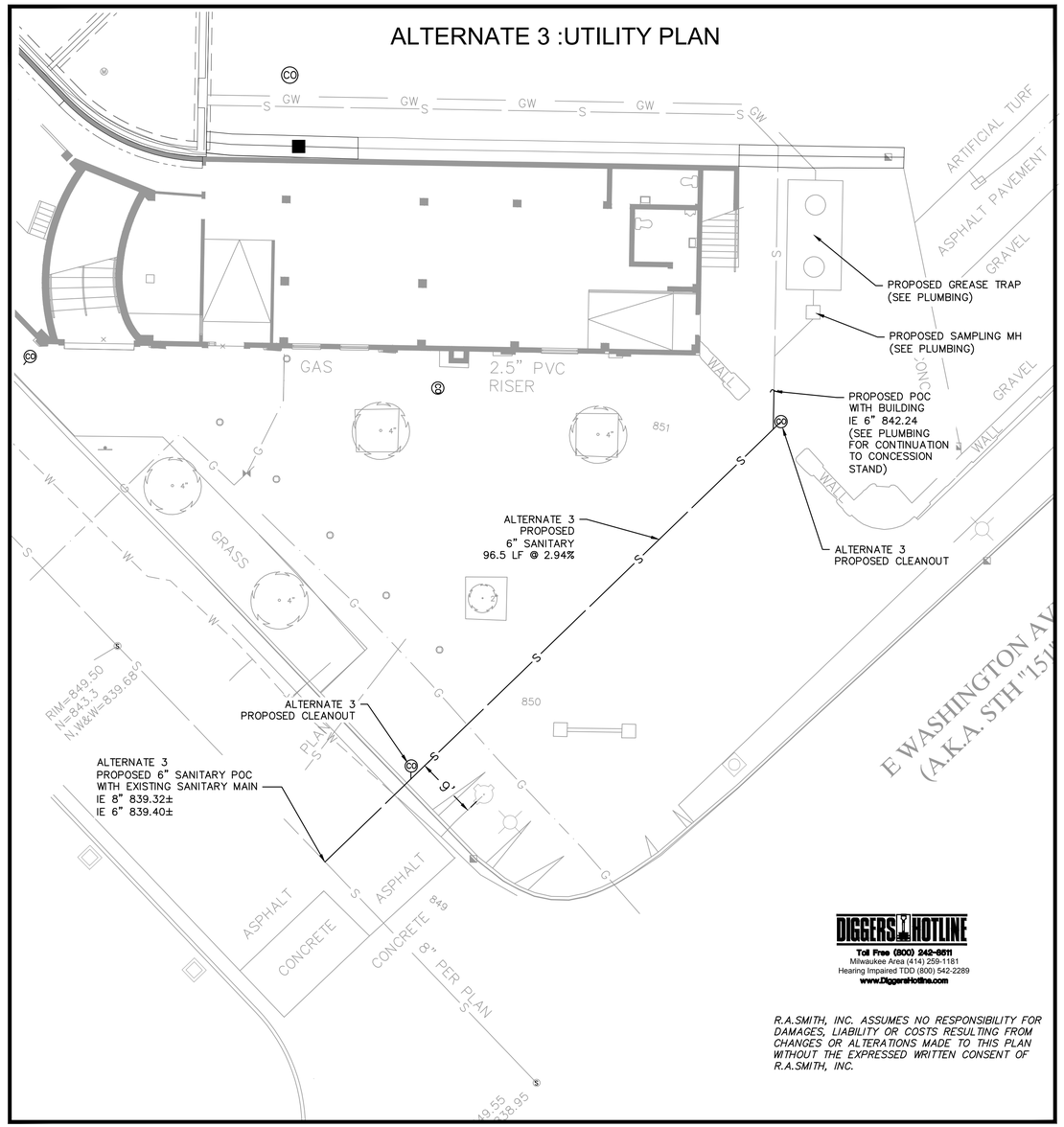
ALTERNATE 3: DEMOLITION PLAN



ALTERNATE 3: SITE AND GRADING PLAN

NOTES AND REQUIREMENTS ON ALL OTHER SHEETS APPLY TO THIS ALTERNATE.

CONTRACTOR TO PROVIDE TRAFFIC MANAGEMENT AND CONTROL PLAN.



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GRAPHIC SCALE
5 0 2.5 5 10 20
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BREESE STEVENS FIELD
CONCESSIONS & RESTROOM BUILDING ADDITION

Project
Proj. No.: 1617.02
ALTERNATE 3

Scale: NOTED
Drawn By: RJH

Date: 07-13-2018

Sheet No:
C401

► BUILDING CODES
- DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE 2009 WISCONSIN COMMERCIAL BUILDING CODE AS CONTAINED IN CHAPTERS SPS 361 TO 366 OF THE WISCONSIN ADMINISTRATIVE CODE.
  - OCCUPANCY CATEGORY — III

► DESIGN LOADS AND DATA
- SOIL LOADS
  - ACTIVE SOIL PRESSURE — 30 PSF PER FOOT OF DEPTH
  - PASSIVE SOIL PRESSURE — 250 PSF PER FOOT OF DEPTH
  - SURCHARGE LOAD — 100 PSF
- SUPERIMPOSED LOADS
  - TYPICAL FLOOR
    - DEAD
      - MISCELLANEOUS (HVAC, PIPING, LIGHTS, CEILING — 15 PSF
    - LIVE — 100 PSF
  - ROOF LOADS
    - DEAD — 170 PSF
    - LIVE (SEE SNOW LOAD ALSO) — 100 PSF
  - LIVE LOAD REDUCTION — NONE
- ROOF LOADS
  - GROUND SNOW (p_g) — 30 PSF
  - SNOW DENSITY — 17.9 PCF
  - ROOF EXPOSURE — PARTIALLY EXPOSED
  - SNOW IMPORTANCE FACTOR (I_s) — 1.10
  - SNOW EXPOSURE FACTOR (C_e) — 1.20
  - THERMAL FACTOR - BUILDING (C_t) — 1.0
  - FLAT ROOF SNOW LOAD (p_f) — 28 PSF
  - DRIFT LOAD — AS NOTED ON DRAWINGS
  - MECHANICAL EQUIPMENT, PIPING AND ROOF TOP AHU'S — AS NOTED ON DRAWINGS
- WIND DATA
  - BASIC WIND SPEED (3 SECOND GUST) — 90 MPH
  - BUILDING ENCLOSURE — ENCLOSED
  - EXPOSURE — B
  - WIND IMPORTANCE FACTOR (I_w) — 1.15
  - WIND DIRECTIONALITY FACTOR (K_d) — 0.85
  - TOPOGRAPHIC FACTOR (K_{zt}) — 1.0
  - GUST FACTOR (BUILDING IS RIGID [FLEXIBLE]) (G [G_f]) — 0.85
  - INTERNAL PRESSURE COEFFICIENT (GC_{pi}) — ± 0.18
  - ANALYSIS PROCEDURE — SIMPLIFIED
  - COMPONENTS AND CLADDING — SEE ADJACENT TABLE
  - MINIMUM NET UPLIFT
    - INTERIOR SPACES — 10 PSF
    - EXTERIOR CANOPIES/SOFFITS — 30 PSF
- SEISMIC DATA
  - SEISMIC IMPORTANCE FACTOR — 1.25
  - MAPPED SPECTRAL RESPONSE ACCELERATION FOR SHORT PERIODS (S_S) — 0.105
  - MAPPED SPECTRAL RESPONSE ACCELERATION FOR 1 SECOND PERIOD (S_1) — 0.044
  - SITE CLASS PER ASCE CHAPTER 20.1 — D
  - DESIGN SPECTRAL RESPONSE ACCELERATION FOR SHORT PERIODS (S_{DS}) — 0.112
  - DESIGN SPECTRAL RESPONSE ACCELERATION FOR 1 SECOND PERIOD (S_{D1}) — 0.070
  - SEISMIC DESIGN CATEGORY — B
  - BASIC SEISMIC FORCE RESISTING SYSTEM AND PARAMETERS
    - ORDINARY REINFORCED MASONRY SHEAR WALLS
    - R = 3.0 Ω_O = 3.0 C_d = 2.5
  - SEISMIC RESPONSE COEFFICIENT (C_s) — 0.047
  - DESIGN BASE SHEAR — 35 KIPS
  - ANALYSIS PROCEDURE — EQUIVALENT LATERAL FORCE

► MATERIAL STRENGTHS AND STANDARDS

THE MATERIAL STRENGTHS AND STANDARDS LISTED HERE REPRESENT A SELECTED SUMMARY OF THE REQUIREMENTS NOTED IN THE SPECIFICATIONS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. IN CASE OF DISCREPANCY BETWEEN THESE NOTES AND THE SPECIFICATIONS, THESE NOTES SHALL GOVERN.

- SOILS
  - DESIGN SOIL BEARING CAPACITY FOR SPREAD/STRIP FOOTINGS — 2000 PSF
- CONCRETE (28 DAY STRENGTH)
  - FOOTINGS — f'_c = 3,000 PSI
  - FOUNDATION WALLS, INTEGRAL PIERS — f'_c = 4,000 PSI
  - PRECAST CONCRETE TOPPING — f'_c = 4,000 PSI
  - INTERIOR SLAB-ON-GRADE — f'_c = 4,000 PSI
  - EXTERIOR SLAB-ON-GRADE — f'_c = 4,500 PSI
- REINFORCING STEEL
  - WELDED WIRE FABRIC, PROVIDED IN FLAT SHEETS ONLY (ASTM A185) — f_y = 65,000 PSI
  - DEFORMED BARS (ASTM A615, GRADE 60) — f_y = 60,000 PSI
- MASONRY
  - CONCRETE MASONRY UNIT ASSEMBLY — f'_m = 2,250 PSI
    - CONCRETE MASONRY UNIT (ASTM C90 - LIGHTWEIGHT) — 3,275 PSI
    - MORTAR (ASTM C270) — TYPE S
  - GROUT (ASTM C476) — f'_c = 3,000 PSI
  - ANCHOR RODS (ASTM F1554, GRADE 36) — f_y = 36,000 PSI
- STRUCTURAL STEEL (SHAPES)
  - WF, WT SECTIONS (ASTM A992) — F_y = 50,000 PSI; F_u = 65,000 PSI
  - M, S, HP SECTIONS, CHANNELS, ANGLES, PLATES (ASTM A36) — F_y = 36,000 PSI; F_u = 58,000 PSI
  - HSS SHAPES – RECTANGULAR (ASTM A500, GRADE C) — F_y = 50,000 PSI; F_u = 62,000 PSI
  - HSS SHAPES – ROUND (ASTM A500, GRADE C) — F_y = 46,000 PSI; F_u = 62,000 PSI
  - STEEL PIPE (ASTM A53, GRADE B) — F_y = 35,000 PSI; F_u = 60,000 PSI
  - PLATES (ASTM A36) — F_y = 36,000 PSI; F_u = 58,000 PSI
- STRUCTURAL STEEL (CONNECTIONS)
  - ANCHOR RODS (ASTM F1554, GRADE 36) — F_y = 36,000 PSI
  - HIGH STRENGTH BOLTS (1 1/2" MAXIMUM DIAMETER) — A325
  - TENSION CONTROL BOLTS — F1852
  - WELDING ELECTRODES — E70XX
  - SHEAR STUD CONNECTORS (ASTM A108, GRADE 1010 THROUGH 1020) — F_y = 50,000 PSI
  - DOWEL BAR ANCHORS (ASTM A496) — F_y = 70,000 PSI
  - THREADED RODS (ASTM A36) — F_y = 36,000 PSI
  - GROUT (ASTM C1107) — f'_c = 5,000 PSI
- COLD-FORMED METAL FRAMING
  - COLD-FORMED MATERIAL - 18 GAUGE AND THINNER (ASTM A653, GRADE 33) — f_y = 33,000 PSI
  - COLD-FORMED MATERIAL - 16 GAUGE AND THICKER (ASTM A653, GRADE 50) — f_y = 50,000 PSI
  - ANCHOR RODS (ASTM F1554, GRADE 36) — f_y = 36,000 PSI
  - CONNECTOR PLATES (ASTM A36) — f_y = 36,000 PSI
  - CONNECTOR BOLTS (ASTM A307, GRADE A) — F_u = 36,000 PSI
  - WELDING ELECTRODES — E60XX
  - GALVANIZING THICKNESS — G60

► GENERAL NOTES
- EXISTING CONDITIONS

  INFORMATION PERTAINING TO EXISTING CONDITIONS GIVEN ON THE STRUCTURAL DRAWINGS REPRESENTS THE ACTUAL EXISTING FIELD CONDITION TO THE BEST OF OUR KNOWLEDGE. R.A. SMITH, INC. MAKES NO WARRANTY AS TO THEIR ACCURACY. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS, DIMENSIONS AND BUILDING CONDITIONS AFFECTING THE WORK BY DIRECT SURVEY AND MEASUREMENT PRIOR TO THE FABRICATION, ERECTION OR CONSTRUCTION OF ANY ITEM IMPACTED BY EXISTING CONDITIONS. REPORT DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND FIELD CONDITIONS FOR REVIEW. ANY WORK PERFORMED PRIOR TO THE RESOLUTION OF THE DISCREPANCIES IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTORS EXPENSE.

  EXISTING STRUCTURE TO REMAIN IS SHOWN WITH LIGHT GRAY LINES. EXISTING STRUCTURE TO BE REMOVED IS NOT GENERALLY SHOWN ON STRUCTURAL DRAWINGS - SEE ARCHITECTURAL DRAWINGS FOR DEMOLITION DRAWINGS.

  ALL EXISTING STRUCTURE TO REMAIN TO BE SUPPORTED BY NEW CONSTRUCTION SHALL BE SHORED UNTIL NEW CONSTRUCTION IS IN PLACE, COMPLETED, AND CAPABLE OF SUPPORTING THE EXISTING STRUCTURE. EXISTING STRUCTURE TO REMAIN THAT IS AFFECTED, BUT NOT SUPPORTED, BY NEW CONSTRUCTION SHALL BE SHORED UNTIL IT IS NO LONGER AFFECTED BY CONSTRUCTION ACTIVITIES.

- CONSTRUCTION

  UNLESS SPECIFICALLY NOTED OTHERWISE, BUILDING STRUCTURE HAS BEEN DESIGNED FOR THE FINAL COMPLETED CONDITION ONLY, AND HAS NOT BEEN ANALYZED, INVESTIGATED OR DESIGNED FOR OVERALL STRUCTURE, OR INDIVIDUAL MEMBER, STABILITY DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY BRACING AND SUPPORTS FOR ALL STRUCTURAL ELEMENTS, BOTH INDIVIDUALLY AND COLLECTIVELY, AS REQUIRED AT EVERY STAGE OF CONSTRUCTION UNTIL THE FINAL COMPLETION OF THE STRUCTURE. NO PORTION OF THE BUILDING STRUCTURE, WHILE UNDER CONSTRUCTION IS INTENDED TO BE STABLE IN THE ABSENCE OF THE CONTRACTORS TEMPORARY BRACES AND SUPPORTS, WHICH SHALL ADDITIONALLY PROVIDE SUPPORT FOR ALL CONSTRUCTION LOADING. MATERIALS AND EQUIPMENT SHALL BE STORED, TRANSPORTED AND INSTALLED IN A MANNER THAT WILL NOT EXCEED THE DESIGN FLOOR LOADING.

  CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, TEMPORARY BRACING, SUPPORTS, SHORING, FORMING TO SUPPORT IMPOSED CONSTRUCTION LOADS, AND OTHER SIMILAR ITEMS.

  STRUCTURAL DOCUMENTS MAY REFER TO OSHA REQUIREMENTS. SUCH REFERENCES ARE INCIDENTAL, AND ARE NOT INTENDED TO IDENTIFY ALL APPLICABLE OSHA REQUIREMENTS.

► GENERAL NOTES (CONTINUED)
- COMPLETENESS

  INFORMATION CONTAINED IN THE GENERAL NOTES IS ONLY A PARTIAL SUMMARY OF PROJECT REQUIREMENTS. SEE SPECIFICATIONS, PLANS AND DETAILS FOR ADDITIONAL REQUIREMENTS.

  USE ONLY DIMENSIONS INDICATED ON THE DRAWINGS. DO NOT MANUALLY SCALE THE DRAWINGS OR USE ANY DIMENSIONS MEASURED FROM ELECTRONIC DRAWING FILES.

  UNLESS NOTED OTHERWISE, CENTERLINE OF FLOOR FRAMING ELEMENTS COINCIDES WITH COLUMN CENTERLINES, AND FRAMING ELEMENTS ARE EQUALLY SPACED BETWEEN ADJACENT COLUMN CENTERLINES.

  MAJOR OPENING LOCATIONS AND SIZES ARE INDICATED ON THE STRUCTURAL DRAWINGS - SMALLER OPENINGS AND SLEEVES REQUIRED TO ACCOMMODATE VARIOUS BUILDING SERVICES MAY NOT BE NOTED. CONTRACTOR TO VERIFY THE SIZE AND LOCATION OF ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING OPENINGS, INCLUDING CLEARANCE REQUIREMENTS CONTAINED IN THE RESPECTIVE DISCIPLINE DOCUMENTS FOR INSTALLATION AND IN-PLACE OPERATION OF THE RESPECTIVE EQUIPMENT OR ITEMS. UNDER NO CIRCUMSTANCES MAY PENETRATIONS BE MADE IN ANY STRUCTURAL ELEMENT AFTER FINAL PLACEMENT IN THE BUILDING STRUCTURE, WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.

  CONSULT ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND MANUFACTURERS SPEC SHEETS FOR LOCATIONS AND DIMENSIONS OF PADS, CURBS, EQUIPMENT SUPPORTS, DEPRESSIONS, INSERTS, DRIPS, REGLETS, REVEALS, FINISHES AND OTHER MISCELLANEOUS PROJECT REQUIREMENTS THAT NECESSITATE INCIDENTAL ACCOMMODATION BY THE BUILDING STRUCTURE BUT ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS.

- GENERAL

  THE STRUCTURE HAS BEEN DESIGNED AS UNRESTRAINED FOR THE PURPOSE OF FIRE RATING AND FIREPROOFING ASSEMBLY EVALUATIONS.

  STRUCTURAL COMPONENTS HAVE NOT BEEN DESIGNED FOR VIBRATORY EQUIPMENT UNLESS NOTED OTHERWISE. PLACE VIBRATORY EQUIPMENT AND EQUIPMENT SENSITIVE TO VIBRATIONS ON VIBRATION ISOLATORS SPECIFICALLY DESIGNED FOR THE EQUIPMENT.

  LATERAL BRACING FOR NON-STRUCTURAL ELEMENTS DESIGNED AND DETAILED BY COMPONENT SUPPLIERS SHALL BE DESIGNED TO APPLY LOADS DIRECTLY TO FLOOR OR ROOF DIAPHRAGMS. BRACES SHALL NOT ATTACH DIRECTLY TO BOTTOM FLANGES OF BEAMS OR BOTTOM CHORDS OF JOISTS UNLESS THE COMPONENT SUPPLIER PROVIDES ADDITIONAL BRACING FROM THOSE ELEMENTS TO THE FLOOR OR ROOF DIAPHRAGM AT EACH ATTACHMENT POINT.

  HOLES, NOTCHES, BLOCK-OUTS AND OTHER SIMILAR FIELD MODIFICATIONS TO STRUCTURAL MEMBERS NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS OR APPROVED SHOP DRAWINGS ARE NOT PERMITTED.

► SYSTEM NOTES
- FOUNDATIONS AND EARTHWORK

  REMOVE EXISTING SURFICIAL TOP SOIL AND VEGETATION FROM WITHIN THE BUILDING AREA AND A MINIMUM OF TEN FEET BEYOND. EXCAVATE MATERIAL TO PROPOSED SLAB-ON-GRADE SUBGRADE. PROOFROLL WITH A HEAVY RUBBER TIRED VEHICLE. SOILS WHICH HEAVE, PUMP, OR DO NOT READILY COMPACT SHALL BE EXCAVATED AND REPLACED WITH ENGINEERED FILL.

  SUBGRADE PREPARATION FOR FOOTINGS SHALL CONSIST OF EXCAVATION TO REQUIRED ALLOWABLE BEARING CAPACITY SOILS AT OR NEAR DESIGN FOOTING ELEVATIONS. WHERE UNSUITABLE SOIL IS ENCOUNTERED AT NOMINAL BEARINGDEPTH, SEE OVER EXCAVATION DETAIL.

  ALL COMPACTION REQUIREMENTS REFER TO % OF MAXIMUM DRY DENSITY PER ASTM D-1557 MODIFIED PROCTOR. GRANULAR STRUCTURAL FILL BENEATH FOOTINGS SHALL BE PLACED IN LAYERS NO MORE THAN 8" THICK, AND EACH LAYER SHALL BE COMPACTED TO 95%. COHESIVE FILL APPROVED BY THE GEOTECHNICAL CONSULTANT SHALL BE PLACED IN LAYERS NO THICKER THAN 8", AND EACH LAYER SHALL BE COMPACTED TO 95%. MOISTURE CONDITION FILL MATERIALS AS REQUIRED TO OBTAIN PROPER COMPACTION. COHESIVE SOILS OR GRANULAR SOILS WITH A SIGNIFICANT PERCENT OF COHESIVE FINES SHALL BE CONDITIONED TO WITHIN 3% OF OPTIMUM MOISTURE CONTENT AT COMPACTION.

  ALL ACTIVITIES CONCERNING PREPARATION AND VERIFICATION OF BEARING SOILS FOR SLAB-ON-GRADE AND FOOTINGS SHALL BE SUPERVISED AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER.

  COLUMNS, PIERS, AND SPREAD FOOTINGS ARE CENTERED ON GRIDLINES UNLESS NOTED OTHERWISE. CONTINUOUS FOOTINGS ARE CENTERED ON WALLS ABOVE UNLESS NOTED OTHERWISE.

  BACKFILL UNIFORMLY ON EACH SIDE OF FOUNDATION WALLS, GRADE BEAMS AND OTHER SIMILAR ELEMENTS. DO NOT BACKFILL AGAINST ANY STRUCTURAL ELEMENT UNTIL THAT ELEMENT HAS ATTAINED FULL DESIGN STRENGTH. DO NOT BACKFILL AGAINST BASEMENT WALLS UNTIL TOP AND BOTTOM OF WALL IS BRACED BY FLOOR FRAMING AND SLAB-ON-GRADE.

  TOP OF FOOTING ELEVATION NOTED ON DRAWINGS REPRESENT CONSIDERED ENGINEERING JUDGMENTS ABOUT PROTECTION FROM FROST AND MINIMUM DEPTH TO SOILS CAPABLE OF PROVIDING DESIGN SOIL BEARING CAPACITY. UNCERTAINTIES INHERENT IN DETERMINING THE ELEVATION OF SOILS ADEQUATE TO PROVIDE DESIGN BEARING CAPACITY MAY REQUIRE FOUNDATIONS TO BE LOWERED – IN NO CASE SHALL TOP OF FOOTING BE HIGHER THAN NOTED. A GEOTECHNICAL ENGINEER SHALL VERIFY THAT SOIL AT THE FOOTING BASE IS ADEQUATE TO PROVIDE THE REQUIRED DESIGN SOIL BEARING CAPACITY.

- CAST-IN-PLACE CONCRETE

  DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF ACI 318 – 08 EXCEPT WHERE MORE RESTRICTIVE REQUIREMENTS ARE NOTED.

  REINFORCING CLEAR COVER SHALL BE AS NOTED BELOW UNLESS SPECIFICALLY NOTED OTHERWISE ON STRUCTURAL DRAWINGS.
  - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH — 3"
  - CONCRETE EXPOSED TO EARTH OR WEATHER
    - #3 - #5 BARS — 1 1/2"
    - #6 - #18 BARS — 2"
  - CONCRETE NOT EXPOSED TO EARTH OR WEATHER
    - WALLS - #3 THRU #11 BARS — 3/4"
    - WALLS - #14 THRU #18 BARS — 1 1/2"
    - COLUMN TIES — 1 1/2"
    - COLUMN MAIN REINFORCING — 2"

  PROVIDE (2) #5 BARS AROUND ALL OPENINGS AND (2) #5 DIAGONAL BARS AT ALL OPENING AND RE-ENTRANT CORNERS. BARS SHALL EXTEND A MINIMUM OF 24" PAST OPENING.

  ALL BAR SPLICES SHALL BE CONTACT LAP SPLICED USING CLASS B TENSION LAP LENGTHS, WITH ADJACENT LAPS STAGGERED A MINIMUM OF 3'-0" UNLESS DETAILED OTHERWISE.

  FIELD WELDING OF ASTM A615 REINFORCING STEEL IS NOT PERMITTED. FIELD BENDING OF REINFORCING STEEL IS NOT PERMITTED EXCEPT WHERE SPECIFICALLY DETAILED ON STRUCTURAL DRAWINGS.

  CORING OF COLUMNS, WALLS, BEAMS, JOISTS AND SLABS IS NOT PERMITTED. PROVIDE STEEL SLEEVES FOR ALL PENETRATIONS AT ALL LOCATIONS APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE.

- CONCRETE MASONRY

  DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF ACI 530 - 08 AND ACI 530.1 - 08 EXCEPT WHERE MORE RESTRICTIVE REQUIREMENTS ARE NOTED.

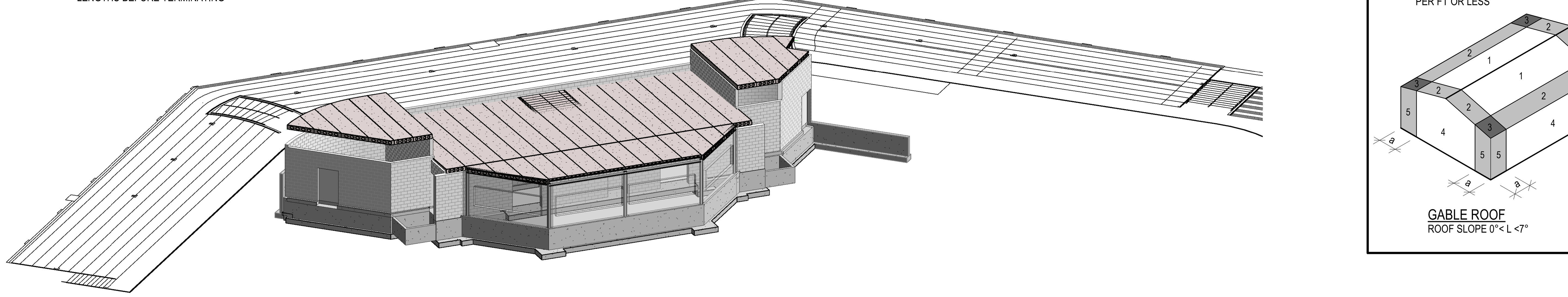
  ALL CMU SHALL BE PLACED IN RUNNING BOND. UNLESS NOTED OTHERWISE PROVIDE CONTINUOUS LADDER TYPE REINFORCEMENT WITH 9 GAUGE SIDE AND CROSS RODS AT 16" OC VERTICALLY IN ALL WALLS AND PIERS, AND AT 8" OC VERTICALLY AT PARAPETS. WHERE VERTICAL BARS ARE REQUIRED, CONSTRUCT CMU WALL TO PROVIDE A CONTINUOUS UNOBSTRUCTED CELL FROM BOTTOM TO TOP OF BAR. CELL CONTAINING A SINGLE BAR SHALL NOT BE LESS THAN 3" X 4" IN PLAN AREA.

  PORTIONS OF CMU CONSTRUCTION REQUIRING STRUCTURAL FILL SHALL USE GROUT ONLY. USE OF CONCRETE FILL IN CMU CONSTRUCTION IS NOT PERMITTED. WHERE CLEARANCES AND CONGESTION PERMIT, USE COARSE GROUT WITH PEA GRAVEL AGGREGATE; OTHERWISE USE FINE GROUT.

  REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF ALL VERTICAL CONTROL JOINTS IN EXTERIOR WYTHES OF PERIMETER WALLS AND FOR EXTERIOR WALLS.

  PROVIDE STEEL PIPE SLEEVES AT ALL LOCATIONS WHERE PIPING PASSES THROUGH CMU WALL.

  WHERE BOND BEAMS INTERSECT AT WALL CORNERS AT DIFFERENT ELEVATIONS, RUN EACH BOND BEAM AROUND THE CORNER FOR A MINIMUM OF TWO FULL BLOCK LENGTHS BEFORE TERMINATING. WHERE BOND BEAMS ADJOIN ON THE SAME WALL AT DIFFERENT ELEVATIONS, RUN BOND BEAMS PAST ONE ANOTHER A MINIMUM OF FOUR FULL BLOCK LENGTHS BEFORE TERMINATING



► SYSTEM NOTES (CONTINUED)
- STRUCTURAL STEEL

  DESIGN, DETAILING, AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AISC 360 - 05, THE CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES AISC 303 - 05,AND THE STEEL CONSTRUCTION MANUAL THIRTEENTH EDITION.

  TYPICAL DETAILS INDICATE GENERAL CRITERIA FOR DESIGN AND DETAILING OF CONNECTIONS. THEY ARE NOT INTENDED TO CONVEY COMPLETE INFORMATION CONCERNING SIZE AND QUANTITY OF CONNECTORS, PLATES, ANGLES, WELDS AND SIMILAR ITEMS THAT ARE DEVELOPED THROUGH THE DESIGN OF AN INDIVIDUAL CONNECTION FOR A SPECIFIC SET OF LOADS AND COMBINATIONS. DETAILS THAT CONVEY SPECIFIC COMPONENT INFORMATION ESTABLISH MINIMUM REQUIREMENTS AND ARE NOT INTENDED TO CONVEY A COMPLETE DESIGN UNLESS NOTED.

  UNLESS OTHERWISE NOTED, ALL STEEL TO STEEL FRAMING HAS BEEN SELECTED ASSUMING ATTACHMENTS FOR SHEAR ONLY, USING DOUBLE ANGLE OR DOUBLE BENT PLATE CONNECTIONS SHOP WELDED TO FRAMING MEMBER AND FIELD BOLTED TO SUPPORTING MEMBER WITH HIGH STRENGTH BOLTS IN BEARING. CONNECTIONS SHALL BE SYMMETRICAL ABOUT THE BEAM WEB. FABRICATORS PROPOSING TO USE ALTERNATIVE METHODS OF ATTACHMENT NOT SPECIFICALLY DETAILED ON STRUCTURAL DRAWINGS SHALL SUBMIT ALTERNATIVE FOR CONSIDERATION DURING BIDDING, AND SHALL BEAR ALL COSTS ASSOCIATED WITH REVIEW, ENGINEERING REDESIGN, AND APPROVAL OF ALTERNATIVE CONNECTIONS

  SINGLE PLATE SHEAR TAB CONNECTIONS MAY BE USED IN LIEU OF DOUBLE ANGLE OR DOUBLE BENT PLATE CONNECTIONS WHERE SPECIFICALLY NOTED ON DRAWINGS OR WHERE CONNECTION OF FRAMING MEMBER TO ONE SIDE OF A SUPPORT MEMBER IS MATCHED BY A SIMILAR CONNECTION ON THE OPPOSITE SIDE OF THE SAME SUPPORT MEMBER, AND WHERE BEAM SPANS DO NOT DIFFER BY MORE THAN 50% OF THE LARGER SPAN. SINGLE PLATE SHEAR TABS MAY NOT BE USED FOR CONNECTION OF FRAMING MEMBERS TO COLUMNS OR TO SPANDREL (EDGE) SUPPORT MEMBERS UNLESS SPECIFICALLY DETAILED ON DRAWINGS.

  CONNECTIONS FOR ALL STRUCTURAL STEEL BEAMS AND GIRDERS NOT SHOWN OR COMPLETELY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF WISCONSIN AND RETAINED BY THE FABRICATOR, USING THE REACTIONS SHOWN. IF NO REACTION IS SHOWN, BEAM CONNECTIONS SHALL BE DESIGNED FOR 50 % OF THE TOTAL UNIFORM LOAD CAPACITY FOR THE GIVEN MEMBER SIZE, SPAN AND GRADE OF STEEL. IN NO CASE SHALL A CONNECTION BE DESIGNED FOR A REACTION LESS THAN 12 KIPS, OR SHALL A CONNECTION USE LESS THAN 2 BOLTS OR 3/16 FILLET WELDS.

  ALL MOMENT CONNECTIONS SHALL BE DESIGNED AND DETAILED BY AN ENGINEER REGISTERED IN THE STATE OF WISCONSIN AND RETAINED BY THE FABRICATOR, USING THE REACTIONS AND MOMENTS SHOWN. WHERE REACTIONS AND MOMENTS ARE NOT SHOWN, CONNECTION SHALL BE DESIGNED TO DEVELOP THE FULL CAPACITY OF THE BEAM IN MOMENT AND SHEAR.

  DESIGN OF STAIRS, HANDRAILS AND GUARDRAILS SHALL BE BY THE STEEL SUPPLIER.

  REFER TO ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STRUCTURAL STEEL NOT NOTED ON STRUCTURAL DRAWINGS.

  PROVIDE HOLES IN BEAMS TO ACCOMMODATE WOOD CONNECTIONS TO STEEL.

- COLD-FORMED METAL FRAMING

  COLD-FORMED METAL FRAMING IS PERFORMANCE BASED, AND SHALL BE COMPLETELY DESIGNED AND DETAILED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF WISCONSIN AND RETAINED BY THE COLD-FORMED SUPPLIER. DESIGN SHALL BE SUBJECT TO THE LIMITATIONS NOTED. COLD-FORMED MEMBERS NOTED SHOULD BE CONSIDERED MINIMUM SIZES. CONNECTION DETAILS INDICATE INTENT FOR CONNECTION BEHAVIOR ONLY.

  FOR RIGID VENEER, LIMIT THE MAXIMUM SIMPLE SPAN LATERAL DEFLECTION OF COLD-FORMED METAL PROVIDING LATERAL SUPPORT TO SPAN/720 - LIMIT THE MAXIMUM CANTILEVER LATERAL DEFLECTION TO CANTILEVER SPAN/360 AT THE WINDOW HEAD AND SILL. IN ALL CASES, THE COLD-FORMED METAL FRAMING ALONE SHALL TAKE ALL THE LATERAL LOAD – NO COMPOSITE ACTION WITH SHEATHING, BRICK, CMU, STONE, OR ANY RIGID VENEER MATERIAL IS PERMITTED.

  FOR FLEXIBLE VENEER, LIMIT THE MAXIMUM SIMPLE SPAN LATERAL DEFLECTION OF COLD-FORMED METAL PROVIDING LATERAL SUPPORT TO SPAN/360 - LIMIT THE MAXIMUM CANTILEVER LATERAL DEFLECTION TO CANTILEVER SPAN/240 AT THE WINDOW HEAD AND SILL. IN ALL CASES, THE COLD-FORMED METAL FRAMING ALONE SHALL TAKE ALL THE LATERAL LOAD – NO COMPOSITE ACTION WITH SHEATHING MATERIAL IS PERMITTED.

  LIMIT VERTICAL DEFLECTION OF STUD LINTEL ASSEMBLIES TO 1/8 INCH AT THE HEAD OF WINDOWS OR OPENINGS.

  HEADERS AND JAMBS AT OPENING MAY CONSIST OF BUILT-UP COLD-FORMED METAL FRAMING OR HOT-ROLLED STEEL SECTIONS AS DETERMINED BY THE COLD-FORMED FRAMING DESIGNER. SOME CONDITIONS MAY NECESSITATE HOT-ROLLED SECTIONS, WHICH ARE TO BE SUPPLIED AND INSTALLED BY THE COLD-FORMED METAL CONTRACTOR.

- CONDUIT EMBEDDED IN CONCRETE

  THE USE OF ALUMINUM IN STRUCTURAL CONCRETE IS PROHIBITED UNLESS IT IS EFFECTIVELY COATED OR COVERED. ALUMINUM REACTS WITH CONCRETE AND, IN THE PRESENCE OF CHLORIDE IONS, MAY ALSO REACT ELECTROLYTICALLY WITH STEEL, CAUSING CRACKING AND/OR SPALLING OF THE CONCRETE. ALUMINUM ELECTRICAL CONDUITS PRESENT A SPECIAL PROBLEM SINCE STRAY ELECTRIC CURRENT ACCELERATES THE ADVERSE REACTION.

  EXCEPT WHEN DRAWINGS FOR CONDUITS AND PIPES ARE APPROVED BY THE LICENSED DESIGN PROFESSIONAL, CONDUITS AND PIPES EMBEDDED WITHIN A SLAB, WALL OR BEAM (OTHER THAN THOSE MERELY PASSING THROUGH) SHALL SATISFY THE FOLLOWING CRITERIA;

  1. THEY SHALL NOT BE LARGER IN OUTSIDE DIAMETER THAN 1/3 THE OVERALL THICKNESS OF THE SLAB, WALL OR BEAM IN WHICH THEY ARE EMBEDDED.
  2. "BUNDLING" OF CONDUITS AND PIPES IS PROHIBITED. WHERE MULTIPLE CONDUITS AND PIPES OCCUR, THEY SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS OR WIDTHS ON CENTER.
  3. THEY ARE UNCOATED OR GALVANIZED IRON OR STEEL NOT THINNER THAN STANDARD SCHEDULE 40 STEEL PIPE.
  4. IN SOLID SLABS, PIPING, UNLESS IT IS FOR RADIANT HEATING OR SNOW MELTING, SHALL BE PLACED BETWEEN TOP AND BOTTOM REINFORCEMENT.
  5. SPECIFIED CONCRETE COVER FOR PIPES, CONDUITS AND FITTINGS SHALL NOT BE LESS THAN 1 1/2" FOR CONCRETE EXPOSED TO EARTH OR WEATHER, NOR LESS THAN 3/4" FOR CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND.
  6. PIPING AND CONDUIT SHALL BE FABRICATED AND INSTALLED THAT CUTTING, BENDING OR DISPLACEMENT OF REINFORCEMENT FROM ITS PROPER LOCATION WILL NOT BE REQUIRED.
  7. DO NOT TIE CONDUIT TO REINFORCEMENT STEEL. PROVIDE A MINIMUM OF 2" CLEARANCE FOR CONCRETE FLOW BETWEEN CONDUIT AND REINFORCEMENT STEEL.
  8. PLACE CONDUIT IN CENTER THIRD OF SLAB. USE HIGH CHAIRS OR SLAB BOLSTERS TO SUPPORT CONDUIT.

STRUCTURAL SHEET INDEX

STANDARD ABBREVIATIONS:

AB	ANCHOR BOLT (ROD)
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
BF	BOTTOM OF FOOTING
BS	BOTTOM OF STEEL
BC	BOTTOM CHORD
BLDG	BUILDING
BRG	BEARING
BTWN	BETWEEN
CB	CATCH BASIN
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLR	CLEAR (DISTANCE)
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CS	COLUMN STRIP
DBA	DEFORMED BAR ANCHOR OR DECK BEARING ANGLE
DBE	DECK BEARING ELEVATION
DEMO	DEMOLITION / DEMOLISH
DIA	DIAMETER
DL	DEAD LOAD
DWG	DRAWING
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ENG	ENGINEER
EQ	EQUAL
ES	EDGE STRIP
EW	EACH WAY
EWEF	EACH WAY EACH FACE
EXP	EXPANSION
EXT	EXTERIOR
EXTG	EXISTING
FD	FLOOR DRAIN
FLG	FLANGE
FLR	FLOOR
FND	FOUNDATION
FTG	FOOTING
FRMG	FRAMING
FUT	FUTURE
FV	FIELD VERIFY
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GLULAM	GLUE-LAMINATED BEAM(S)
GT	GIRDER TRUSS
HK	HOOK
HORIZ	HORIZONTAL
HP	HIGH POINT
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HWS	HEADED WELDED STUD(S)
ID	INSIDE DIAMETER
IF	INSIDE FACE
INT	INTERIOR
JBE	JOIST BEARING ELEVATION
K	KIP
KO	KNOCKOUT PANEL
KSI	KIPS PER SQUARE INCH
L	ANGLE
LB	POUNDS
LL	LIVE LOAD
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LSL	LAMINATED STRAND LUMBER
LTWT	LIGHTWEIGHT
LVL	LAMINATED VENEER LUMBER
LW	LONG WAY
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MS	MIDDLE STRIP
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
OSL	OUTSTANDING LEG
PC	PRECAST / PRESTRESSED
PCI	POUNDS PER CUBIC INCH
PT	PRE (POST) -TENSIONED
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCE(D)
REM	REMAINDER
RTU	ROOF TOP UNIT
SC	SLIP CRITICAL
SCHED	SCHEDULE
SHT	SHEET
SIM	SIMILAR
SL	SNOW LOAD
SLBB	SHORT LEGS BACK TO BACK
SOG	SLAB-ON-GRADE
SPA	SPAC(ES)(ED)(ING)
SPEC	SPECIFICATION(S)
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
SW	SHORT WAY
TF	TOP OF FOOTING
TL	TOP OF LEDGE
TP	TOP OF PIER
TS	TOP OF STEEL
TW	TOP OF WALL
TC	TENSION CONTROL
TC	TOP CHORD
THK	THICK (NESS) (ENED)
TL	TOTAL LOAD
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VWA	VERIFY WITH ARCHITECT
WL	WIND LOAD
WP	WORKING POINT
WWF	WELDED WIRE FABRIC

COMPONENTS AND CLADDING WIND PRESSURES (PSF)

ZONE	WIND AREA (SF)	ROOF SLOPE 0° TO 7° (+)	0° TO 7° (-)	7° TO 27° (+)	7° TO 27° (-)	27° TO 45° (+)	27° TO 45° (-)
1	10	5.9.	14.6	8.4	13.3	13.3	14.6
1	20	5.6.	14.2	7.7	13.0	13.0	13.8
1	50	5.1.	13.7	6.7	12.5	12.5	12.8
1	100	4.7.	13.3	5.9	12.1	12.1	12.1
2	10	5.9.	24.4	8.4	23.2	13.3	17.0
2	20	5.6	21.8	7.7	21.4	13.0	16.3
2	50	5.1	18.4	6.7	18.9	12.5	15.3
2	100	4.7	15.8	5.9	17.0	12.1	14.6
3	10	5.9.	36.8	8.4	34.3	13.3	17.0
3	20	5.6	30.5	7.7	32.1	13.0	16.3
3	50	5.1	22.1	6.7	29.1	12.5	15.3
3	100	4.7	15.8	5.9	26.9	12.1	14.6

ZONE	WIND AREA (SF)	(+)	(-)
4	10	14.6	15.8
4	20	13.9	15.1
4	50	13.0	14.3
4	100	12.4	13.6
5	10	14.6	19.5
5	20	13.9	18.2
5	50	13.0	16.5
5	100	12.4	15.1

ADJUSTMENT FACTOR

MEAN ROOF HEIGHT (FT)	EXPOSURE B	EXPOSURE C
15	1.00	1.21
20	1.00	1.29
25	1.00	1.35
30	1.00	1.40
35	1.05	1.45
40	1.09	1.49
45	1.12	1.53
50	1.16	1.56
55	1.19	1.59
60	1.22	1.62

(-) WIND PRESSURE ON ROOF OVERHANGS

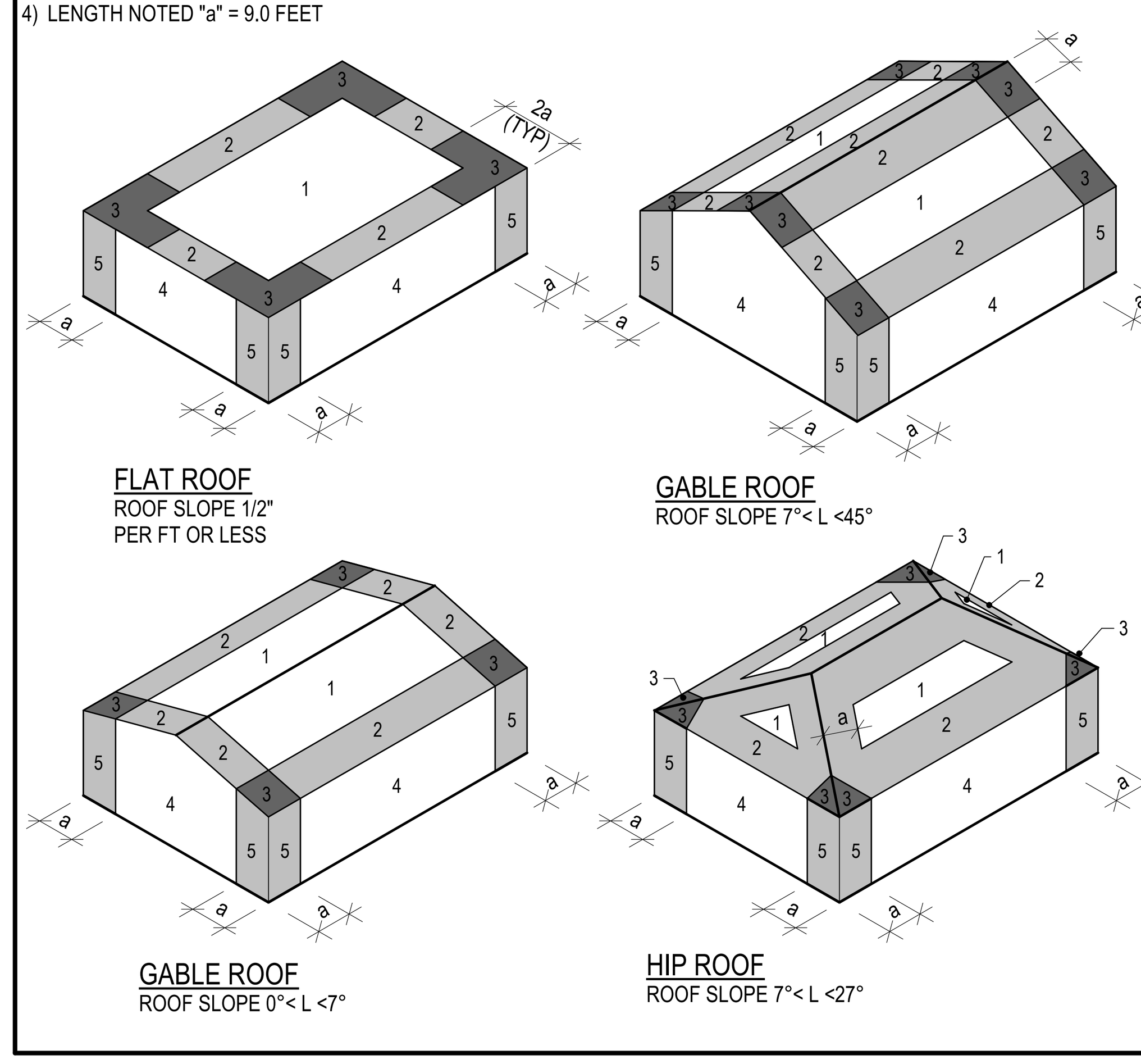
LOCATION	WIND AREA (SF)	ROOF SLOPE 0° TO 7° ZONE 2	0° TO 7° ZONE 3	7° TO 27° ZONE 2	7° TO 27° ZONE 3	27° TO 45° ZONE 2	27° TO 45° ZONE 3
OVERHANG	10	21.0	34.6	27.2	45.7	24.7	24.7
OVERHANG	20	20.6	27.1	27.2	41.2	24.0	24.0
OVERHANG	50	20.1	17.3	27.2	35.3	23.0	23.0
OVERHANG	100	19.8	10.0	27.2	30.9	22.2	22.2

NOTES:
1) BASED ON SIMPLIFIED PROVISIONS FOR ENCLOSED REGULAR-SHAPED BUILDINGS WITH MEAN ROOF HEIGHT LESS THAN OR EQUAL TO 60'-0" (ASCE 7-05) ASSUMING 90 MPH WIND, EXPOSURE B, I=1.0, Kzt = 1.0 AT MEAN ROOF HEIGHT = 30'-0". MULTIPLY TABLE VALUES BY THE TABLES VALUES ABOVE IMMEDIATE RIGHT AT OTHER MEAN ROOF HEIGHTS AND BY IMPORTANCE FACTOR IF OTHER THAN I = 1.0.

2) (+) = POSITIVE (INWARD) PRESSURE.
(-) = NEGATIVE (OUTWARD) PRESSURE.
SF = SQUARE FEET

3) FOR EFFECTIVE MEMBER AREAS NOT SPECIFICALLY LISTED, INTERPOLATE OR USE LARGEST VALUE OF WIND PRESSURE/ SUCTION NOTED. DO NOT USE 1/3 STRESS INCREASE FOR MEMBER DESIGN WITH VALUES NOTED IN THIS TABLE.

4) LENGTH NOTED "a" = 9.0 FEET



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Contractors are responsible for the means, methods, techniques, sequences and procedures of construction including, but not limited to, temporary supports, shoring, forming to support imposed loads and other similar items.

BREESE STEVENS FIELD

CONCESSIONS
BUILDING ADDITION

Project

Proj. No.: 1617.02

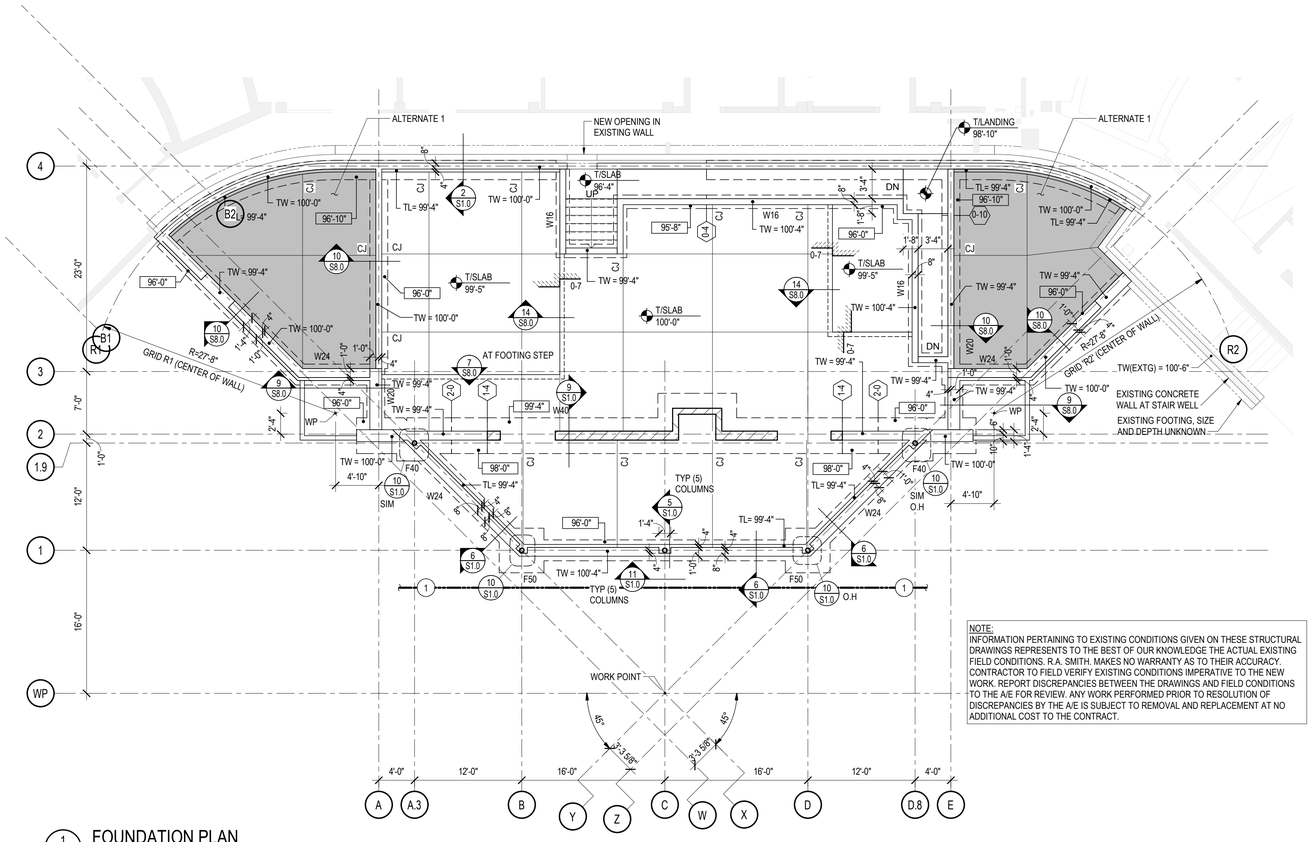
STRUCTURAL NOTES

Scale: Noted
Drawn By: RASN

Date: 7/13/2018

Sheet No:

S0.1



NOTE:
INFORMATION PERTAINING TO EXISTING CONDITIONS GIVEN ON THESE STRUCTURAL DRAWINGS REPRESENTS TO THE BEST OF OUR KNOWLEDGE THE ACTUAL EXISTING FIELD CONDITIONS. R.A. SMITH. MAKES NO WARRANTY AS TO THEIR ACCURACY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS IMPERATIVE TO THE NEW WORK. REPORT DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS TO THE A/E FOR REVIEW. ANY WORK PERFORMED PRIOR TO RESOLUTION OF DISCREPANCIES BY THE A/E IS SUBJECT TO REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST TO THE CONTRACT.

1 S1.0 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

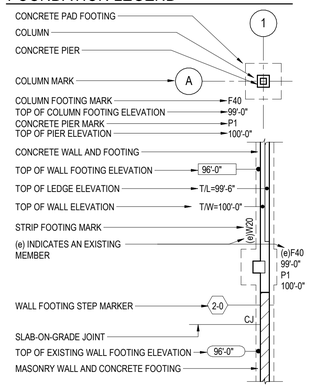
FOUNDATION PLAN NOTES

1. FINISH SLAB ELEVATION = 100'-0". LOCAL DATUM UNLESS NOTED OTHERWISE. TOP OF FOOTING ELEVATION = 96'-0" UNLESS NOTED OTHERWISE.
2. SLAB-ON-GRADE TO BE 4" THICK WITH 6X6 W2.4xW2.4, ON CHAIRS, VAPOR RETARDER OVER 6" COARSE STONE BASE UNLESS NOTED OTHERWISE.
3. TYPICAL WHERE SLAB-ON-GRADE ABUTS WALL OR COLUMN, PROVIDE 1/4" x (SOG THICKNESS) ISOLATION FILLER STRIP. SET STRIP 1/4" BELOW FINISH SLAB ELEVATION.
4. OVER-EXCAVATION PER DETAIL 8/S8.0 MAY BE REQUIRED TO REMOVE EXISTING UNDOCUMENTED FILL AND UNSUITABLE BEARING SOIL.
5. TYPICAL DETAILS THAT APPLY TO PLAN INCLUDE:
   - 7/S8.0 FOOTING STEP DETAIL
   - 9/S8.0 STOOP DETAIL
   - 1/S8.0 SLAB-ON-GRADE JOINT DETAIL
   - 2/S8.0 CONCRETE WALL JOINT DETAIL
   - 3/S8.0 CORNER REINFORCEMENT DETAIL
   - 4/S8.0 CONCRETE WALL OPENING DETAIL
   - 6/S8.0 SPREAD FOOTING OVER LATERAL

FOUNDATION KEY NOTES

(1) CAUTION! 15" STORM SEWER IN PROXIMITY OF FOOTING. COORDINATE WITH CONTRACTOR AND SHEET C100

FOUNDATION LEGEND



CONTINUOUS FOOTING SCHEDULE

MARK	CONTINUOUS FOOTING DIMENSIONS WIDTH	THICKNESS	FOOTING REINFORCEMENT
W16	1'-6"	12"	(2) #5, B, CONT
W20	2'-0"	12"	(2) #5, B, CONT
W24	2'-4"	12"	(2) #5, B, CONT
W40	4'-0"	12"	(2) #5, B, CONT

NOTES:
1. B = BOTTOM, T = TOP, LW = LONG WAY, SW = SHORT WAY, EW = EACH WAY.
2. ALL REINFORCEMENT BARS TO BE BOTTOM BARS UNLESS NOTED OTHERWISE.

REINFORCEMENT NOTES

1. REINFORCEMENT SHALL BE DETAILED IN ACCORDANCE WITH ACI DETAILING MANUAL SP-66.
2. ALL LAPS SHALL BE CLASS 'B' PER ACI 318 UNLESS OTHERWISE NOTED ON THE DESIGN DRAWINGS OR UNLESS THE DETAILER TAKES SPECIAL CARE TO PROVIDE STAGGERED LAPS. USE TOP BAR LAP LENGTHS FOR ALL HORIZONTAL WALL BARS AND FOR TOP BARS IN SLABS AND BEAMS OVER 14" DEEP.
3. LAP LENGTH SHALL BE SPECIFICALLY NOTED ON PLACING DRAWINGS WHERE MORE THAN ONE BAR MAKES UP A CONTINUOUS STRING.
4. HORIZONTAL BARS, EXCEPT FOR CONTINUOUS STRINGS FROM ONE CORNER OF AN OPENING TO ANOTHER, SHALL BE DETAILED TO SHOW THE DISTANCE FROM AT LEAST ONE END OF THE BAR TO THE NEAREST BUILDING GRID LINE OF WALL.
5. PLAIN WELDED WIRE FABRIC SHALL BE LAPPED AND/OR ANCHORED TO DEVELOP fy PER ACI 318.

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Project Number:1160426

BREESE STEVENS FIELD

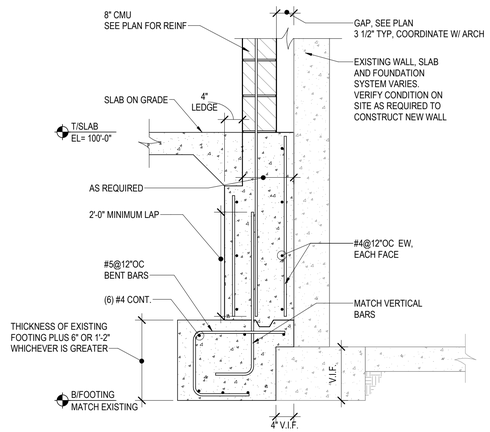
CONCESSIONS BUILDING ADDITION

Project
Proj. No.: 1617.02

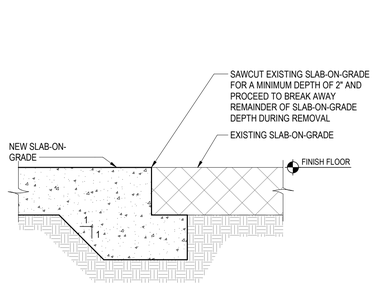
FOUNDATION PLAN

Scale: Noted
Drawn By: RASN
Date: 7/13/2018

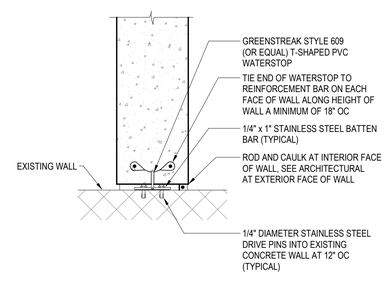
Sheet No:
S1.0



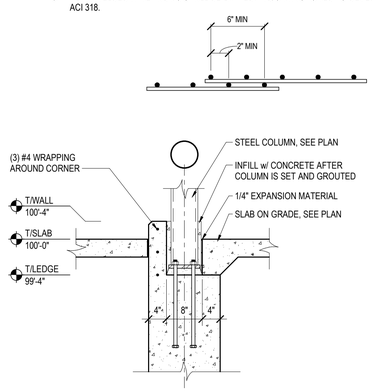
2 S1.0 WALL SECTION @ EXISTING BLDG
SCALE: 3/4" = 1'-0"



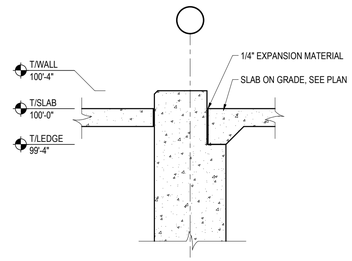
3 S1.0 NEW TO EXISTING SLAB-ON-GRADE DETAIL
SCALE: 1" = 1'-0"



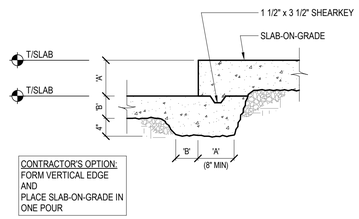
4 S1.0 NEW FOUNDATION WALL TO EXISTING WALL DETAIL
SCALE: 1" = 1'-0"



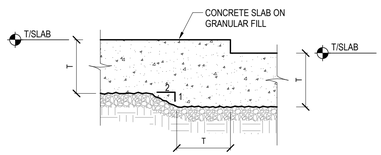
5 S1.0 FOUNDATION WALL
SCALE: 3/4" = 1'-0"



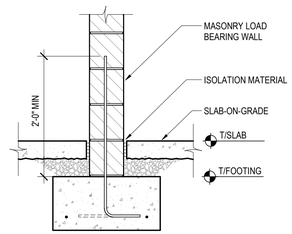
6 S1.0 FOUNDATION WALL
SCALE: 3/4" = 1'-0"



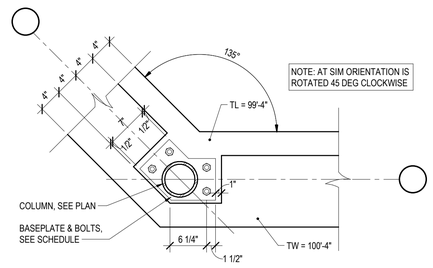
7 S1.0 SLAB-ON-GRADE STEP
SCALE: 3/4" = 1'-0"



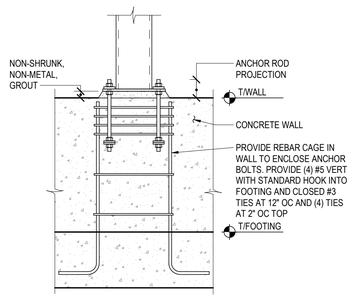
8 S1.0 SLAB-ON-GRADE DEPRESSION
SCALE: 1" = 1'-0"



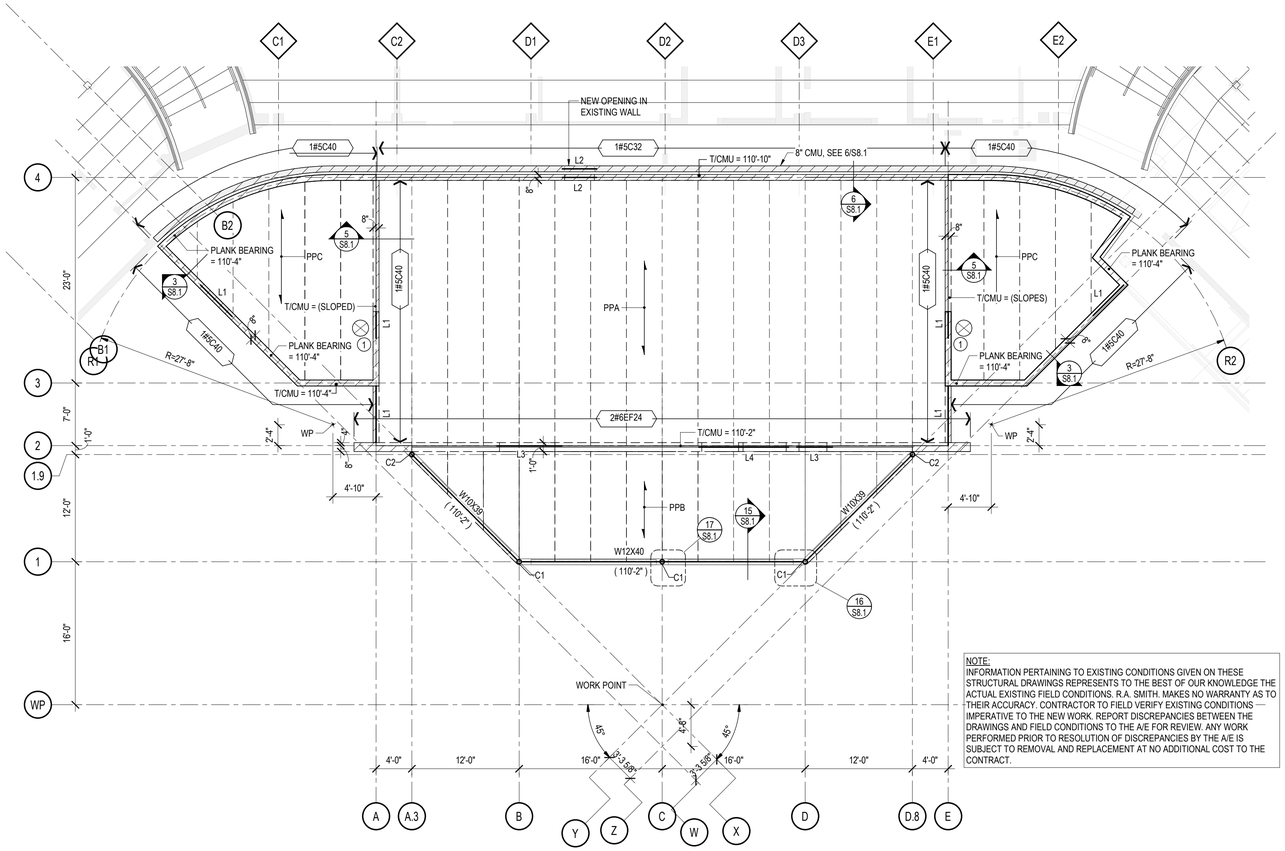
9 S1.0 FOOTING AT LOAD BEARING MASONRY WALLS
SCALE: 3/4" = 1'-0"



10 S1.0 BASE PLATE DETAIL
SCALE: 1" = 1'-0"



11 S1.0 COLUMN BEARING ON CONCRETE WALL
SCALE: 3/4" = 1'-0"



NOTE:
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1 S1.1 ROOF FRAMING PLAN

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

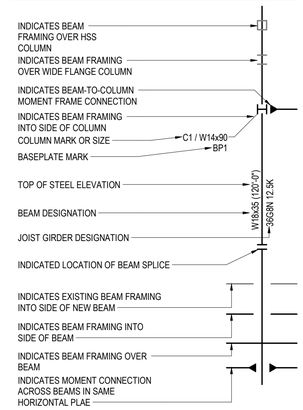
FLOOR FRAMING PLAN NOTES

1. TOPPING SLAB/FINISH SLAB ELEVATION = 16" ABOVE PLANK BEARING UNLESS NOTED OTHERWISE ON PLAN.
2. TOP OF STEEL ELEVATION = AS NOTED ON PLAN AS (XXX'-XX") OR (T/S = XXX'-XX")
3. TOPPING SLAB IS TO BE BONDED. THE SLAB THICKNESS SHALL BE MEASURED AT THE ENDS OF THE PLANK SPAN. THE ACTUAL TOPPING SLAB THICKNESS WILL VARY DUE TO PLANK CAMBER AND DEFLECTION. TOPPING SLAB WEIGHT IS IN ADDITION TO THE SUPERIMPOSED LOADS REQUIRED BY DESIGN. NO REDUCTION OF TOPPING SLAB LOAD DUE TO PLANK CAMBER IS PERMITTED.
4. TOPPING SLAB TO BE REINFORCED WITH WWF6x6-W1.4xW1.4 (FLAT SHEETS ONLY) LOCATE WWF 1" CLEAR BELOW TOP OF TOPPING SLAB.
5. SUPPORTING STRUCTURAL FRAMING PROVISIONS ARE BASED ON THE FOLLOWING ASSUMED MAXIMUM PRECAST PLANK SELFWEIGHTS:
   12" PLANK: 86 PSF
6. PRECAST SUPPLIER IS RESPONSIBLE FOR DESIGN, FABRICATION, AND INSTALLATION OF ALL HEADERS WHERE REQUIRED FOR OPENINGS THROUGH PLANK UNLESS NOTED OTHERWISE. COORDINATE SIZE AND LOCATION OF ALL OPENINGS THROUGH PLANK WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS.
7. PROVIDE 8" HIGH BOND BEAMS WITH (2) #4 CONTINUOUS AT AND ADJACENT TO PRECAST PLANK BEARING ELEVATIONS UNLESS NOTED OTHERWISE. WHERE PLANK BEARING IS NOT AT COURSING, PROVIDE PARTIAL HEIGHT BLOCK GROUTED SOLID TO TOP OF BOND BEAM. WIDTH OF BOND BEAM TO MATCH WALL THICKNESS AND IS TO RUN CONTINUOUS THROUGH CONTROL JOINTS. PROVIDE CORNER BARS WHERE THEY OCCUR AND LAP ALL BOND BEAM STEPS A MINIMUM OF 24". PRECAST SUPPLIER TO PROVIDE HARDBOARD BEARING STRIPS AT ENDS OF PLANK AT MASONRY BEARING.

ROOF FRAMING KEY NOTES

(1) KITCHEN HOOD EXHAUST - COORDINATE SIZE WITH MECHANICAL. USE DETAIL 1/S8.1 AS APPROPRIATE.

STRUCTURAL STEEL LEGEND



PRECAST PLANK SCHEDULE

MARK	PLANK THICKNESS (INCHES)	TOPPING SLAB THICKNESS (IN) (SEE NOTE 1)	FIRE RATING REQUIREMENT (HOURS)	SUPERIMPOSED LOADS (PSF)		REMARKS
				DEAD LOAD	LIVE LOAD	
PPA	12"	4"	1	40	100	
PPB	12"	4"	1	40	100	
PPC	12"	4"	1	90	100	

NOTES:
1. TOPPING SLAB THICKNESS AS MEASURED AT ENDS OF PLANK SPAN. TOPPING SLAB WEIGHT IS IN ADDITION TO THE SUPERIMPOSED LOADS GIVEN. TOPPING SLAB IS TO BE BONDED UNLESS NOTED OTHERWISE.
2. SEE PLANS FOR ADDITIONAL DEAD AND LIVE LOAD REQUREMENTS.
3. PLANK SELF-WEIGHTS ASSUMED FOR DESIGN PURPOSES ARE LISTED IN FLOOR FRAMING PLAN NOTES ABOVE. (CONTACT STRUCTURAL ENGINEER IF THESE WEIGHTS TO BE EXCEEDED).

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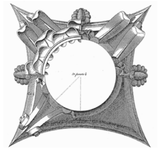

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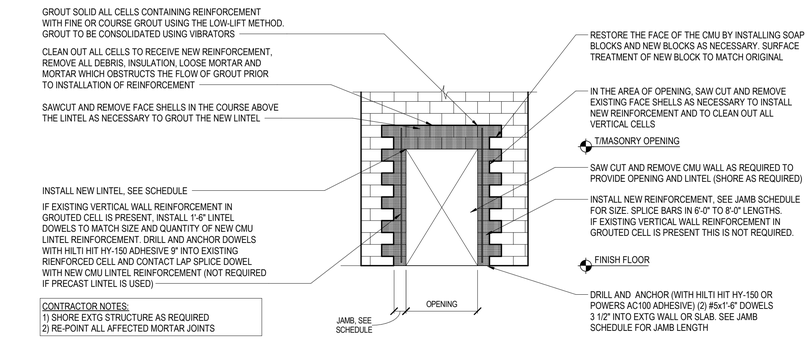


CONTRACTOR NOTES:
1) SHORE EXTG STRUCTURE AS REQUIRED
2) RE-POINT ALL AFFECTED MORTAR JOINTS

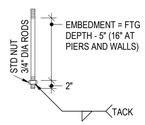
2 S1.1 INSTALLATION OF NEW REINFORCEMENT IN EXISTING CMU WALL

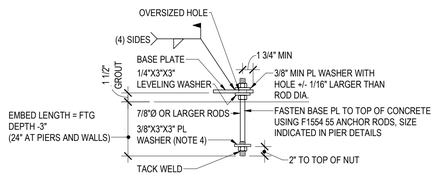
SCALE: 1/4" = 1'-0"

COLUMN SCHEDULE

MARK	SIZE	BASE PLATE	NOTES
C1	HSS6X0.500		
C2	HSS6X0.375		

COLUMN SCHEDULE NOTES:
1. FASTEN STEEL COLUMN TO TOP OF CONCRETE USING (4) ANCHOR BOLTS 3/4"Ø U.N.O WITH DOUBLE NUTS AT COLUMN BASEPLATE, AND 1 1/2" GROUT.
2. ALL 3/4"Ø ANCHOR RODS TO BE ASTM F1554, GRADE 36. ALL 7/8"Ø OR LARGER ANCHOR RODS TO BE ASTM F1554, GRADE 55 AND MEET REQUIREMENTS OF 'S1' SUPPLEMENT. TYP U.N.O





LINTEL SCHEDULE

LINTEL MARK	DESCRIPTION	SECTION	END BEARING PLATES	REMARKS
L1	8" HIGH x 8" WIDE BOND BEAM w/ (2) #5 CONT.		NA	2,7,8. ALTERNATE LINTEL - USE CAST-CRETE 8F12-1B LINTEL, SEE 12/S8.1 FOR REQUIREMENTS
L2	W8X18 WITH 3/8" X 7 1/2" X CONT BOTTOM PLATE	1/4" 3 @ 9	3/8"x7"X0'-8" w/ (2) 1/2" DIA X 6" HWS	2,7,8. ALTERNATE LINTEL - USE CAST-CRETE 8F12-1B LINTEL, SEE 12/S8.1 FOR REQUIREMENTS
L3	W14x30	SEE 14/S8.1	3/8"x7"X0'-8" w/ (2) 1/2" DIA X 6" HWS	2,7,8. ALTERNATE LINTEL - USE CAST-CRETE 12F20-2B LINTEL, SEE 12/S8.1 FOR REQUIREMENTS
L4	W14x30	SEE 14/S8.1	3/8"x7"X0'-8" w/ (2) 1/2" DIA X 6" HWS	--

LINTEL SCHEDULE NOTES:
1. REFERENCE DETAIL 13/S8.1 FOR TYPICAL LINTEL BEARING REQUIREMENTS.
2. TYPICAL NOTES THAT APPLY UNO
   A. PROVIDE MINIMUM 8" BEARING AT EACH END OF LINTEL
   B. CENTER LINTELS IN WALL, UNO.
   C. REFERENCE DETAIL 8/S8.1 FOR TYPICAL CMU WALL OPENING REINFORCEMENT REQUIREMENTS.
   D. REFERENCE DETAIL 9/S8.1 FOR TYPICAL CMU CONTROL JOINT REQUIREMENTS
3. NOTCH FACE SHELL AS REQ'D TO PLACE CMU.
4. PROVIDE 1/2"Ø x 6" HWS AT 16" OC ON TOP OF LINTEL. GROUT CMU CORE SOLID 8" (MIN) ABOVE TOP OF LINTEL AT HWS LOCATIONS.
5. PROVIDE ADJUSTABLE MASONRY ANCHORS AT 24" OC EACH SIDE OF WEB.
6. ALL LINTELS (INCLUDING BOTTOM PLATES) IN EXTERIOR WALLS TO BE HOT-DIPPED GALVANIZED.
7. WIDTH OF BOND BEAM TO MATCH WIDTH OF WALL.
8. PROVIDE 1" BOTTOM CLEAR COVER.

LOOSE LINTEL SCHEDULE

MAX OPENING (CLEAR DISTANCE BETWEEN WINDOW/DOOR JAMBS)	LINTEL SIZE
6'-0" & LESS	L3 1/2x3 1/2x5/16
6'-0" - 8'-0"	L6x3 1/2x5/16 (LLV)
8'-0" - 10'-0"	L6x3 1/2x3/8 (LLV)

EXTERIOR MISC VENEER LINTEL SCHEDULE NOTES:
1. THIS SCHEDULE APPLIES AT ALL OPENINGS IN EXTERIOR VENEER (BRICK, STONE, ETC.).
2. BEAR VENEER LINTEL 8" MINIMUM EACH END.
3. REFER TO ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND LOCATIONS.

BREESE STEVENS FIELD

CONCESSIONS BUILDING ADDITION

Project

Proj. No.: 1617.02

ROOF FRAMING PLAN

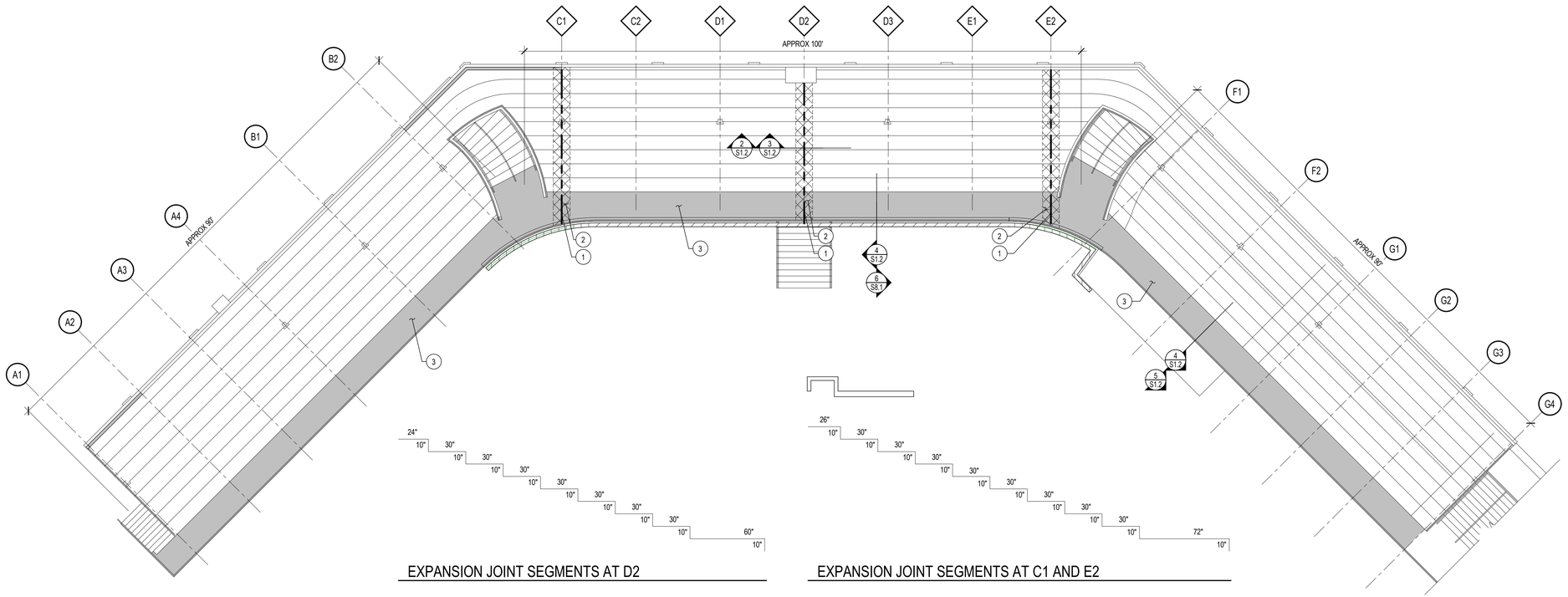
Scale: Noted

Drawn By: RASN

Date: 7/13/2018

Sheet No:

S1.1



EXPANSION JOINT SEGMENTS AT D2

EXPANSION JOINT SEGMENTS AT C1 AND E2

KEY NOTES

1. REMOVE EXISTING CAULKING, BACKER ROD, AND/OR OTHER EXISTING MATERIALS FROM EXISTING EXPANSION JOINTS. CURRENT JOINT WIDTH IS TYPICALLY 1" OR LESS. CUT EACH SIDE OF JOINT TO WIDEN OVERALL JOINT WIDTH TO 2" AND INSTALL NEW PRECOMPRESSED FOAM EXPANSION JOINT MATERIAL PER MANUFACTURER'S REQUIREMENTS. APPROX 120 LF OF TOTAL JOINT. SEE SPEC SECTION 07 95 00
2. INSTALL NEW TRAFFIC COATING WITHIN 18" OF EITHER SIDE OF NEWLY INSTALLED EXPANSION JOINTS. MATCH LIGHT TAN COLOR OF EXISTING SURROUNDING COATING MATERIAL . APPROX 350 SF OF COATING. SEE SPEC SECTION 7 18 00
3. REMOVE EXISTING DEBONDED COATING/OVERLAY SYSTEM, PREPARE SUBSTRATE, PLACE 2" MINIMUM THICKNESS PEA GRAVEL READY-MIX CONCRETE TOPPING, AND INSTALL NEW TRAFFIC-BEARING WATERPROOFING MEMBRANE. APPROX 1750 SF. SEE SPEC SECTION 07 18 00
4. REMOVE EXISTING DEBONDED COATING/OVERLAY SYSTEM, PREPARE SUBSTRATE AND INSTALL NEW TRAFFIC-BEARING WATERPROOFING MEMBRANE. APPROX 240 SF. SEE SPEC SECTION 07 18 00
5. PREPARE CRACK BEFORE ADDING COATING SYSTEM
6. REFER TO S8.2 FOR ADDITIONAL ALTERNATE WORK UNDER THE STANDS
7. REMOVE EXISTING CAULKING, BACKER ROD, AND/OR OTHER EXISTING MATERIALS FROM EXISTING EXPANSION JOINTS. CURRENT JOINT WIDTH IS TYPICALLY 1" OR LESS. CUT EACH SIDE OF JOINT TO WIDEN OVERALL JOINT WIDTH TO 2" AND INSTALL NEW PRECOMPRESSED FOAM EXPANSION JOINT MATERIAL PER MANUFACTURER'S REQUIREMENTS. APPROX 40 LF OF TOTAL JOINT. SEE SPEC SECTION 07 95 00
8. INSTALL NEW TRAFFIC COATING WITHIN 18" OF EITHER SIDE OF NEWLY INSTALLED EXPANSION JOINTS. MATCH LIGHT TAN COLOR OF EXISTING SURROUNDING COATING MATERIAL . APPROX 120 SF OF COATING. SEE SPEC SECTION 7 18 00

PLAN NOTES

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CONTRACTORS ARE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO TEMPORARY SUPPORTS, SHORING, AND FORMING TO SUPPORT IMPOSED LOADS AND OTHER SIMILAR ITEMS.

THE LOCATION OF DETERIORATED CONCRETE AND CRACKS SHOWN ARE FOR REFERENCE PURPOSES ONLY. DETERIORATED CONCRETE AND CRACKS TO BE REPAIRED SHALL BE DESIGNATED BY THE ENGINEER AT THE TIME OF CONSTRUCTION AND DOCUMENTED IN AS-BUILT DRAWINGS SUBMITTED BY THE CONTRACTOR PERFORMING THE CONCRETE REPAIR WORK

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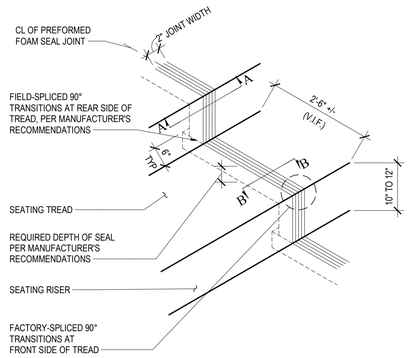
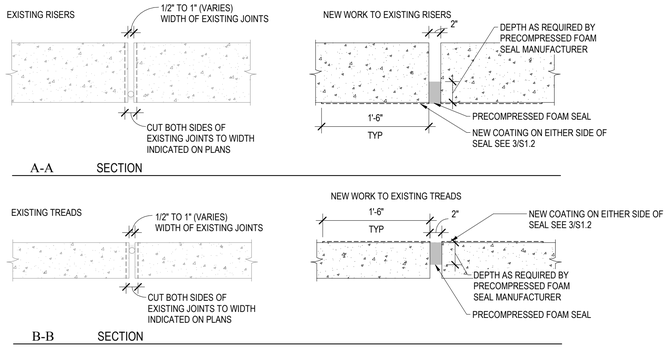
1 S1.2 EXISTING GRANDSTANDS - REPAIR AND RESTORATION WORK

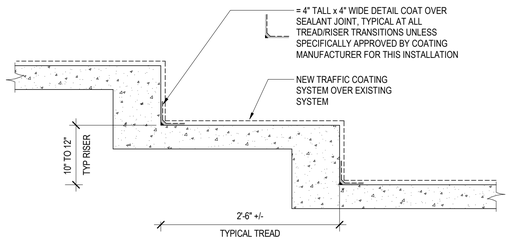
SCALE: 3/32" = 1'-0"





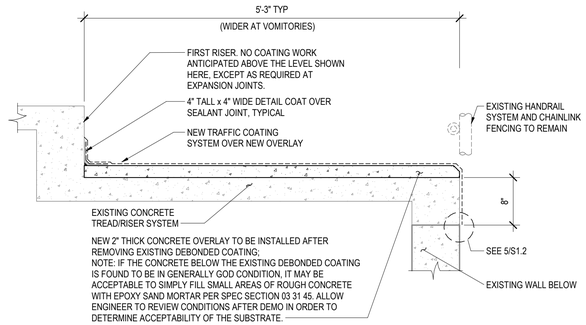
2 S1.2 PREFORMED JOINT SEAL - EXPANSION JOINT WORK AT C1, D2, E2

SCALE: 1" = 1'-0"



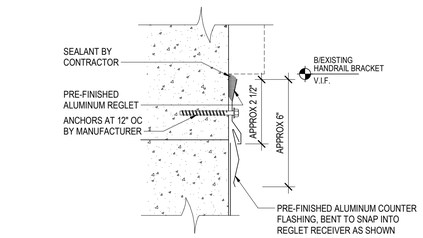
3 S1.2 NEW COATING ADJACENT TO EXPANSON JOINTS

SCALE: 1" = 1'-0"



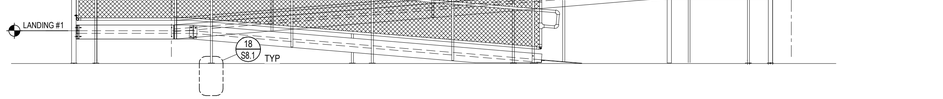
4 S1.2 NEW COATING AT WALKWAY

SCALE: 1" = 1'-0"



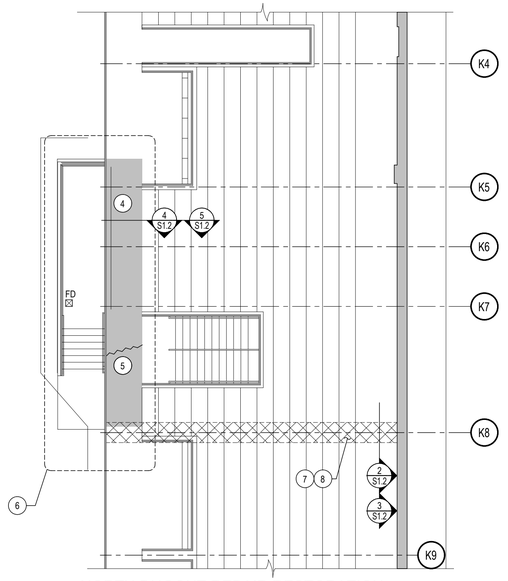
5 S1.2 REGLET AND COUNTER FLASHING

SCALE: 3" = 1'-0"



6 S1.2 ADA RAMP ELEVATION

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



7 S1.2 NORTH DUGOUT REPAIR RESTORATION WORK - ALTERNATE 2

SCALE: 3/32" = 1'-0" SEE ALSO S8.2

BREESE STEVENS FIELD

CONCESSIONS BUILDING ADDITION

Project

Proj. No.: 1617.02

EXPANSION JOINT REPAIR

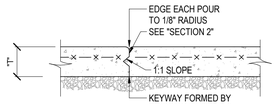
Scale: Noted

Drawn By: RASN

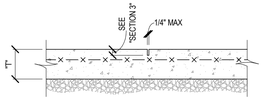
Date: 7/13/2018

Sheet No:

S1.2



CONSTRUCTION JOINT



CONTROL JOINT

SECTION 1: SLAB-ON-GRADE NOTES

- SLAB-ON-GRADE CONSTRUCTION SHOULD CONFORM WITH THE RECOMMENDATIONS AND REQUIREMENTS SET FORTH IN THE LATEST RELEASE OF ACI 302 GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION.
- REFER TO THE GENERAL NOTES, THE SPECIFICATIONS, AND THE DRAWINGS FOR SUB-FLOOR DRAINAGE SYSTEM, SUBGRADE PREPARATION, AND/OR MUD SLAB AND VAPOR RETARDER REQUIREMENTS.
- THE SUBGRADE SHALL BE FREE OF STANDING WATER AT THE TIME OF CONCRETE PLACEMENT.
- REFER TO PLANS FOR SLAB THICKNESS ("T") AND REINFORCEMENT (WWF OR REINFORCEMENT BARS). REFER TO SPECIFICATIONS FOR FIBER REINFORCEMENT TO BE INCORPORATED IN CONCRETE MIX, IF ANY. WHERE PRESENT, REINFORCING BARS SHALL BE CHAIRED BY SOIL SUPPORTED SLAB BOLSTERS.
- PROVIDE (2) #5 x6'-0" AT ALL RE-ENTRANT CORNERS AND OTHER SIMILAR SLAB DISCONTINUITIES.
- UNLESS SHOWN OTHERWISE ON THE DRAWINGS, PROVIDE CONTROL AND/OR CONSTRUCTION JOINTS AT EVERY COLUMN LINE AND IN BETWEEN THE COLUMNS SUCH THAT THE JOINT SPACING DOES NOT EXCEED 36x("T") UNO. THE RESULTING PANELS SHOULD BE APPROXIMATELY SQUARE.

SECTION 2: CONTRUCTION JOINT NOTES

- BREAK THE BOND BETWEEN NEW AND PREVIOUSLY PLACED SLABS BY SPRAYING OR BY PAINTING THE EXPOSED SIDE OF THE JOINT WITH A CURING COMPOUND, ASPHALTIC EMULSION, OR FORM OIL.

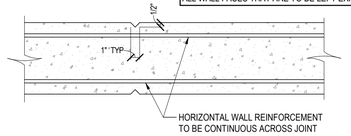
SECTION 3: CONTROL JOINT NOTES

- FOR SAW-CUT CONTROL JOINTS, MAKE THE SAW-CUT AS SOON AS THE SLAB IS ABLE TO SUPPORT THE WEIGHT OF WORKERS AND SAWING EQUIPMENT WITHOUT DAMAGE TO THE FINISHED SURFACE OF THE SLAB, BUT WITHIN 24 HOURS.
- DEPTH OF SAW-CUT SHOULD BE 1-1/4" IF PRODUCED USING THE EARLY ENTRY DRY-CUT PROCESS AND "T"/4 (1" MIN) IF PRODUCED USING THE CONVENTIONAL WET-CUT PROCESS.
- REFER TO SPECIFICATIONS REGARDING EPOXY RESIN OR ELASTOMERIC SEALANT REQUIREMENTS FILL CONTROL JOINTS.

SECTION 4: FORMED CONTROL JOINT OPTION NOTES

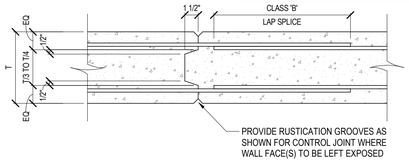
- FORM CONTROL JOINTS BY INSERTING A PRE-MOLDED STRIP INTO THE FRESH CONCRETE UNTIL THE TOP SURFACE OF THE STRIP IS FLUSH WITH THE TOP SURFACE OF THE SLAB.
- TOOL THE SLAB EDGES ROUND ON EACH SIDE OF THE INSERT, 1/8" MAX RADIUS.
- AFTER THE CONCRETE HAS CURED, REMOVE THE INSERTS AND CLEAN THE GROOVE OF LOOSE DEBRIS.

NOTE:
CONTROL JOINT DETAIL APPLIES AT 20'-0" OC (MAXIMUM) AT ALL WALL FACES THAT ARE TO BE LEFT EXPOSED TO VIEW



CONTROL JOINT

NOTE:
MAXIMUM LENGTH OF WALL POUR BETWEEN CONSTRUCTION JOINTS LIMITED TO 60'-0"



CONSTRUCTION JOINT

1 S8.0 TYP SLAB-ON-GRADE CONSTRUCTION & CONTROL JOINT

SCALE: 1" = 1'-0"

5 S8.0 TYPICAL BOX-OUT DETAIL AT FOUNDATION FROST WALL

SCALE: 3/4" = 1'-0"

6 S8.0 PIPE PASSING UNDER WALL FOOTING

SCALE: 3/4" = 1'-0"

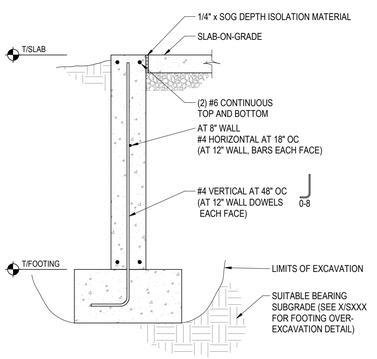
2 S8.0 TYPICAL CONCRETE WALL JOINTS

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

NOTES:
1. SEE PLAN FOR FOOTING STEP DIMENSIONS.
2. STEPPED FOOTING TO BE POURED MONOLITHICALLY.
3. MULTIPLE STEP SHOWN, SINGLE STEP SIMILAR.
4. 'D' = 2'-0" UNLESS NOTED OTHERWISE ON PLAN.

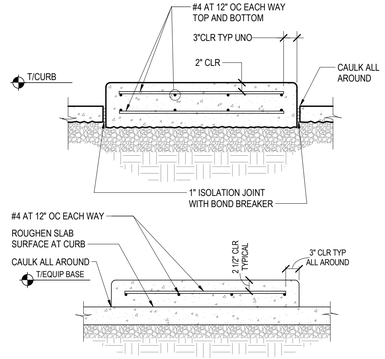
7 S8.0 FOOTING STEP DETAIL-CAST-IN-PLACE WALL

SCALE: 3/4" = 1'-0"



10 S8.0 TYPICAL CONCRETE FROST WALL

SCALE: 3/4" = 1'-0"



11 S8.0 CONCRETE EQUIPMENT BASE

SCALE: 3/4" = 1'-0"

8 S8.0 OVER-EXCAVATION DETAIL

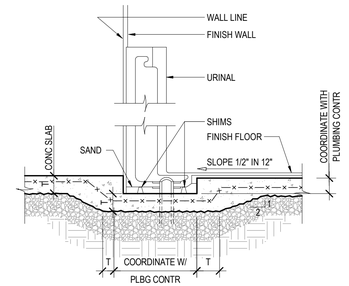
SCALE: 1/2" = 1'-0"

NOTE: CONTRACTORS MAY ELIMINATE STRUCTURAL FILL BY:
1. LOWERING DESIGNED FOOTING ELEVATION SO THAT FOOTING RESTS DIRECTLY ON SUITABLE BEARING SUBGRADE
2. PROVIDING LEAN CONCRETE (f'c = 500 PSI) UNDER THE FOOTING TO SUITABLE BEARING SUBGRADE AS SHOWN SHADED ABOVE. (NOT APPLICABLE IN GRANULAR SOILS)
3. INCREASING FOOTING THICKNESS TO REACH SUITABLE BEARING SUBGRADE AS SHOWN HATCHED ABOVE.

THIS DETAIL APPLIES ONLY AT THOSE LOCATIONS WHERE GEOTECHNICAL ENGINEER DEEMS SOILS AT DESIGN FOOTING ELEVATIONS INADEQUATE FOR FOOTING SUPPORT

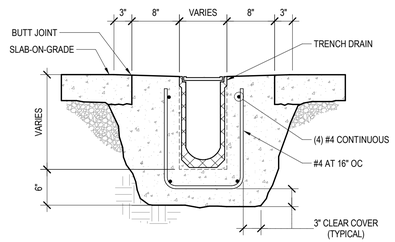
9 S8.0 TYPICAL STOOP DETAIL

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



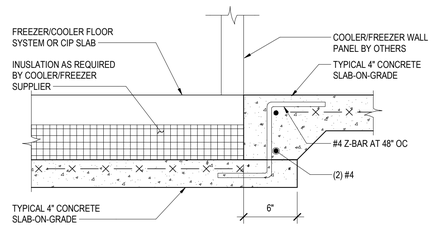
12 S8.0 URINAL RECESS IN SLAB-ON-GRADE

SCALE: 3/4" = 1'-0"



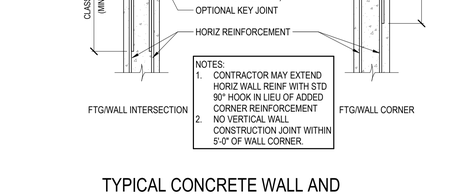
13 S8.0 TRENCH DRAIN-PRE-MANUFACTURED SYSTEM

SCALE: 1" = 1'-0"



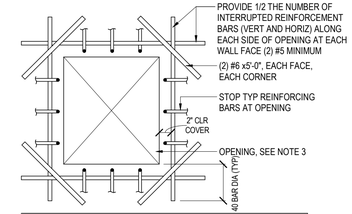
14 S8.0 INSULATED SLAB AT COOLER/FREEZER

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



3 S8.0 TYPICAL CONCRETE WALL AND FOOTING CORNER REINFORCEMENT

SCALE: 3/4" = 1'-0"



NOTES:
1. ADDED REINFORCEMENT AS SHOWN SHALL BE PROVIDED FOR ALL OPENINGS 12" DIA OR 12" SQUARE AND LARGER IN SIZE
2. SPACE ADDED BARS AS CLOSE AS PERMISSIBLE BY CODE FOR THE REQUIRED BAR SIZE.
3. VERIFY SIZE & LOCATION OF OPENINGS WITH TRADE OR SUBCONTRACTOR WHICH REQUIRES OPENING.

4 S8.0 ADDED REINF AT WALL OPENING

SCALE: 1" = 1'-0"

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Project Number:1160426

BREESE STEVENS FIELD

CONCESSIONS BUILDING ADDITION

Project

Proj. No.: 1617.02

FOUNDATION DETAILS

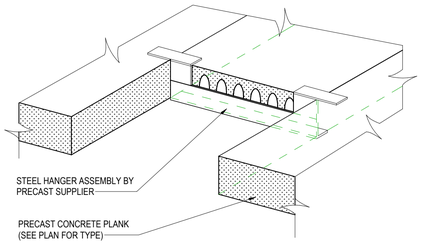
Scale: Noted

Drawn By: RASN

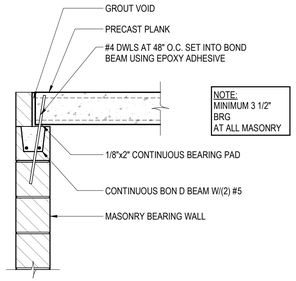
Date: 7/13/2018

Sheet No:

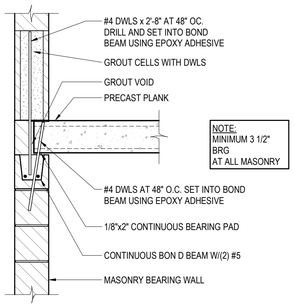
S8.0



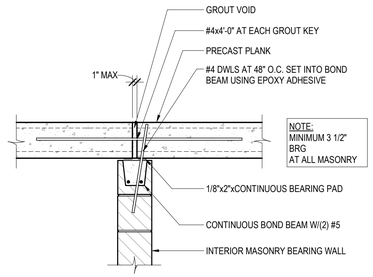
1 S8.1 PRECAST PLANK HANGER DETAIL
SCALE: 1" = 1'-0"



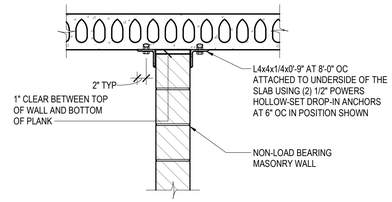
2 S8.1 PRECAST BEARING AT MASONRY WALL (WALL STOPS)
SCALE: 3/4" = 1'-0"



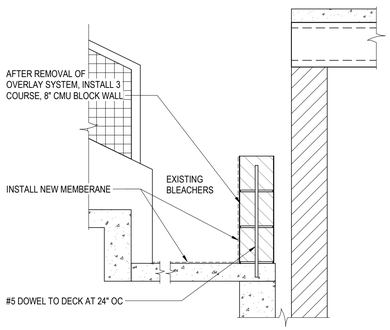
3 S8.1 PRECAST BEARING AT MASONRY WALL (WALL CONTINUES)
SCALE: 3/4" = 1'-0"



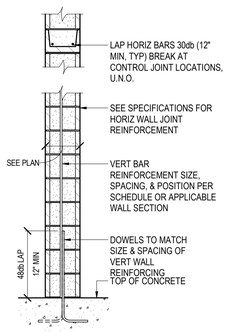
4 S8.1 PRECAST BEARING AT INTERIOR MASONRY WALL (WALL STOPS)
SCALE: 3/4" = 1'-0"



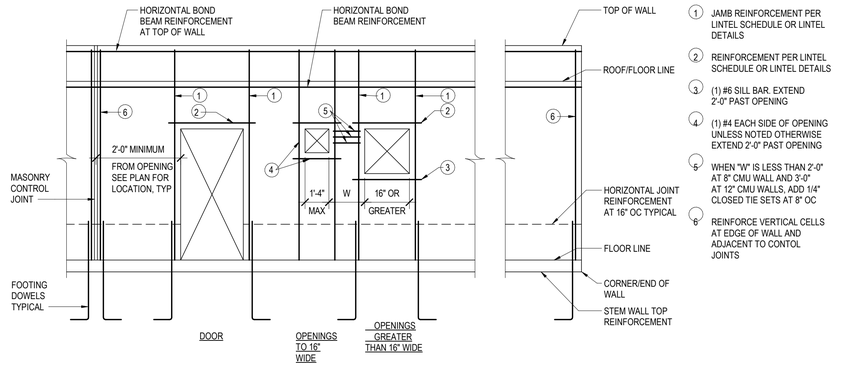
5 S8.1 NON-LOAD BEARING MASONRY WALL AT PRECAST PLANK
SCALE: 3/4" = 1'-0"



6 S8.1 BLEACHER WALKWAY
SCALE: 3/4" = 1'-0"



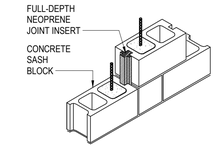
7 S8.1 TYP REINFORCED CMU WALL CONSTRUCTION
SCALE: 1/2" = 1'-0"

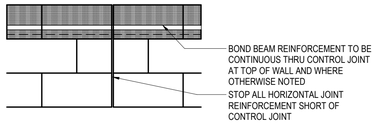


NOTES:
1. JAMB REINFORCEMENT PER LINTEL SCHEDULE OR LINTEL DETAILS
2. REINFORCEMENT PER LINTEL SCHEDULE OR LINTEL DETAILS
3. (1) #6 SILL BAR. EXTEND 2'-0" PAST OPENING
4. (1) #4 EACH SIDE OF OPENING UNLESS NOTED OTHERWISE EXTEND 2'-0" PAST OPENING
5. WHEN "W" IS LESS THAN 2'-0" AT 8" CMU WALL AND 3'-0" AT 12" CMU WALLS, ADD 1/4" CLOSED TIE SETS AT 8" OC
6. REINFORCE VERTICAL CELLS AT EDGE OF WALL AND ADJACENT TO CONTOL JOINTS

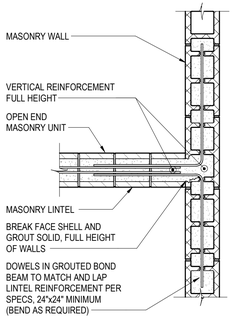
8 S8.1 TYPICAL CMU REINFORCEMENT AT OPENINGS
SCALE: 1/4" = 1'-0"

CONTROL JOINTS TO BE PLACED:
1) MAXIMUM OF 6'-0" FROM CORNER ALONG ONE OF THE TWO ORTHOGONAL WALLS
2) MAXIMUM OF 24'-0" OC INCLUDING DISTANCE BETWEEN JOINTS AROUND CORNER
3) AS OTHERWISE DETAILED ON ARCHITECTURAL DRAWINGS

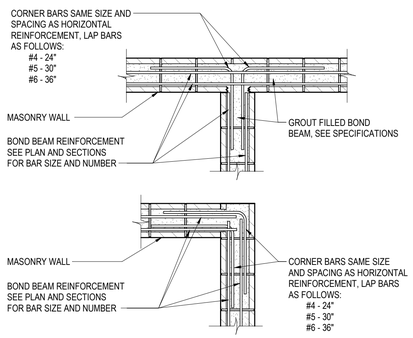




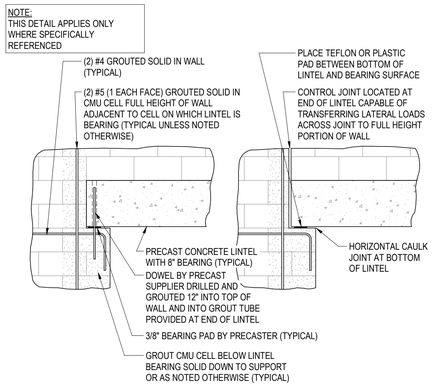
9 S8.1 KEYED CMU CONROL JOINT (NEOPRENE INSERT, REBAR ADJACENT TO CJ)
SCALE: 12" = 1'-0"



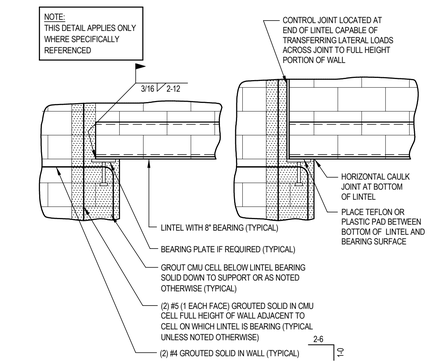
10 S8.1 MASONRY WALL INTERSECTION AT MASONRY LINTEL
SCALE: 3/4" = 1'-0"



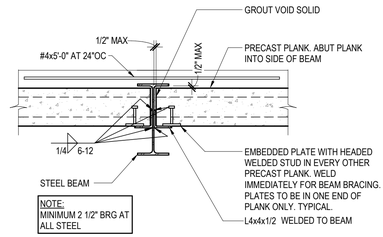
11 S8.1 MASONRY BOND BEAM CORNER REINFORCEMENT PLAN DETAIL
SCALE: 3/4" = 1'-0"



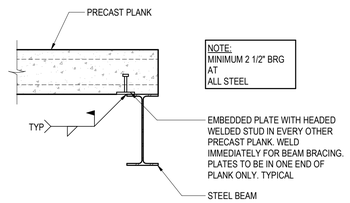
12 S8.1 LINTEL BEARING DETAIL
SCALE: 1/2" = 1'-0"



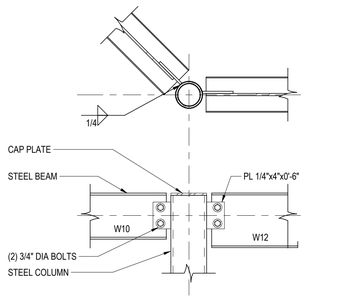
13 S8.1 LINTEL BEARING DETAIL
SCALE:NO SCALE



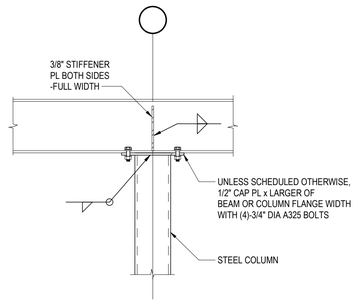
14 S8.1 PRECAST BEARING ON STEEL BEAM (2 SIDES INTO WEB)
SCALE: 3/4" = 1'-0"



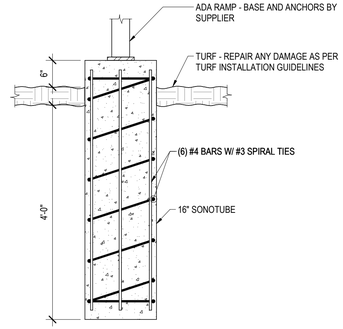
15 S8.1 PRECAST BEARING ON STEEL BEAM
SCALE: 3/4" = 1'-0"



16 S8.1 BEAM TO HSS COLUMN
SCALE: 3/4" = 1'-0"



17 S8.1 TYPICAL BEAM OVER COLUMN DETAIL
SCALE: 3/4" = 1'-0"



18 S8.1 SECTION
SCALE: 3/4" = 1'-0"

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Project Number:1160426

BREESE STEVENS FIELD

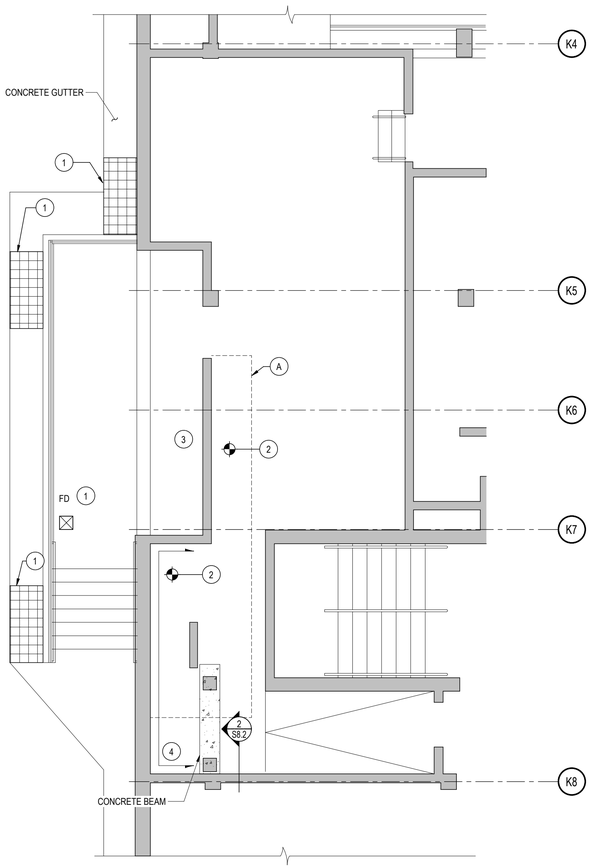
CONCESSIONS BUILDING ADDITION

Project
Proj. No.: 1617.02

FRAMING DETAILS

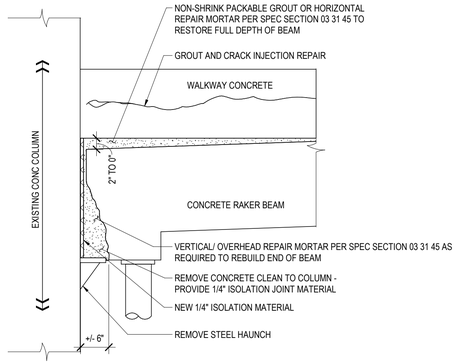
Scale: Noted
Drawn By: RASN
Date: 7/13/2018

Sheet No:
S8.1



1 S8.2 NORTH DUGOUT REPAIR RESTORATION WORK (STAND)
SCALE: 3/16" = 1'-0"

SEE ALSO S1.2



2 S8.2 CONCRETE BEAM REPAIR
SCALE: NO SCALE

KEY NOTES

- (A) REGION TO BE INVESTIGATED TO ESTABLISH STABILITY OF SUBGRADE BENEATH FOUNDATION
- (1) SCOPE FIELD DRAINS TO INVESTIGATE POTENTIAL OF DRAIN LEAKS PRODUCING SOIL SETTLEMENT AT REGION "A"
- (2) SOIL CORE TO DETERMINE SOIL TYPE AND COMPACTION. IF REQUIRED BY GEOTECH, SUPPLY POLYLEVEL OR SIMILAR PRODUCT TO FILL VOIDS
- (3) REPAIR AND TUCK-POINT WALL. REPAINT SO ALL ONE COLOR.
- (4) IN LIMITS INDICATED, PRESSURE WASH WALLS. REPAIR MORTAR JOINT CRACKS AND CRACK INJECTION CONCRETE REPAIRS.

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BREESE STEVENS FIELD

NORTH DUGOUT
STAND REPAIR

Project
Proj. No.: 1617.02

FOUNDATION REPAIRS

Scale: Noted
Drawn By: RASN

Date: 7/13/2018

Sheet No:

S8.2
ALTERNATE 2

EAST MIFFLIN STREET

SERVICE GATE

Alternate 1: MASONRY RESTORATION & NEW ROOF GUTTERS

EXISTING BEACHER SEATING

FIXED ACCESSIBLE PEDESTRIAN RAMP

Alternate 1: MASONRY RESTORATION & NEW ROOF GUTTERS

NORTH PATERSON STREET

EXISTING GRANDSTAND

CONCESSION BUILDING ADDITION

CONSTRUCTION FENCE

EXISTING ATHLETIC FIELD

ARTIFICIAL TURF

NO WORK

NORTH BREARLY STREET

MAIN GATE

STAGING AREA - OFF SEASON

EAST WASHINGTON AVENUE

1 ARCHITECTURAL SITE PLAN
SEE BARSCALE

NORTH

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ARCHITECTURE, INC.

BREESE STEVENS FIELD

CONCESSION AND RESTROOM BUILDING

Project

Proj. No.: 1617.02

ARCHITECTURAL SITE PLAN

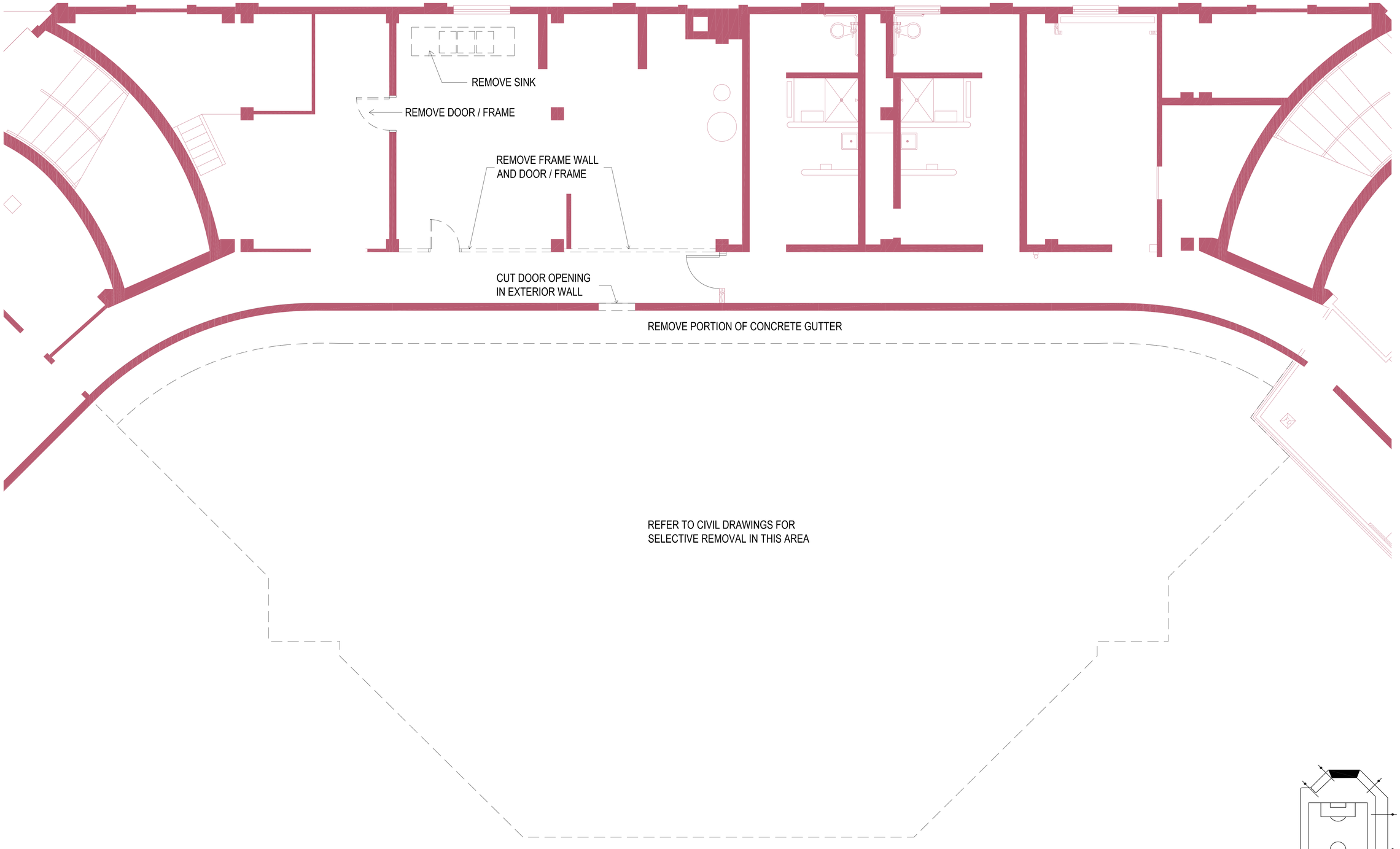
Scale:

Drawn By: ..

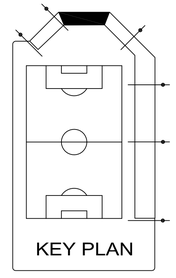
Date: 04-16-2018
07-13-2018

Sheet No:

A0.1



1 LOWER LEVEL PLAN - SELECTIVE REMOVAL
1/4"=1'-0"



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BREESE STEVENS FIELD

CONCESSION AND RESTROOM BUILDING

Project

Proj. No.: 1617.02

LOWER LEVEL

FLOOR PLAN
SELECTIVE REMOVAL

Scale:

Drawn By: ..

Date: 04-16-2018

Sheet No:

A1.0

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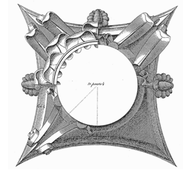
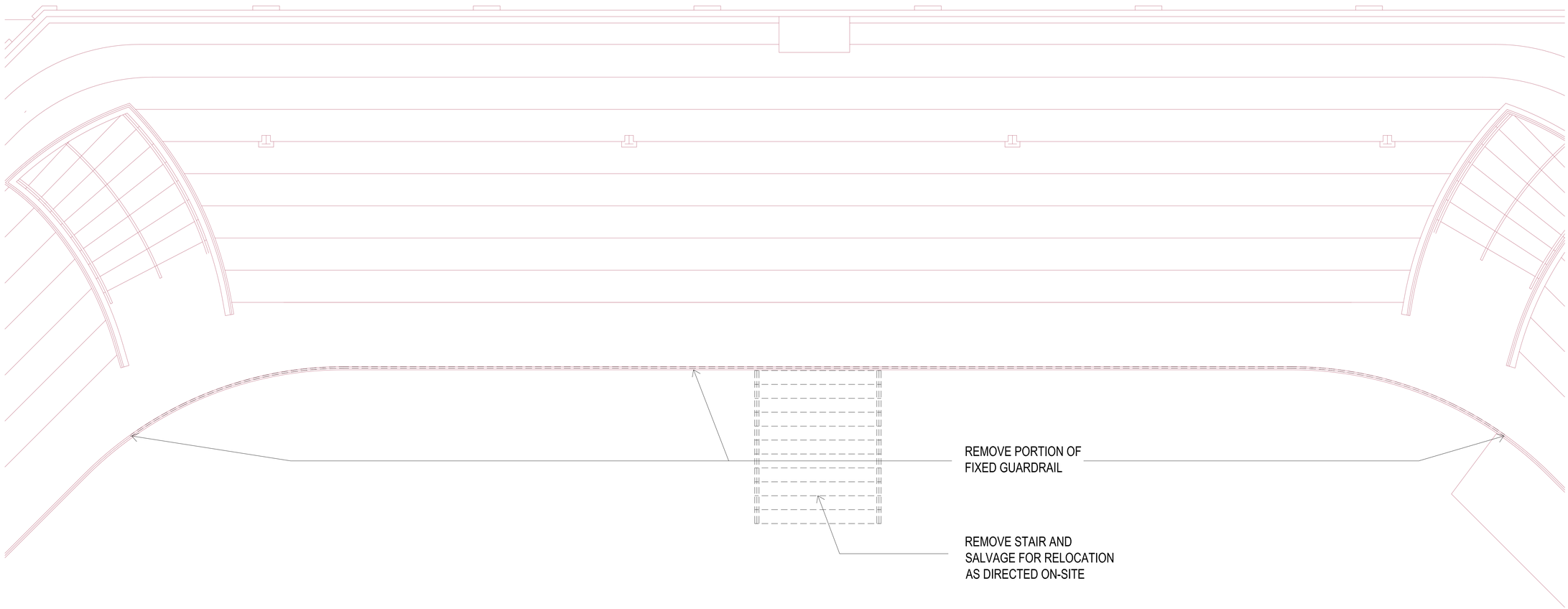
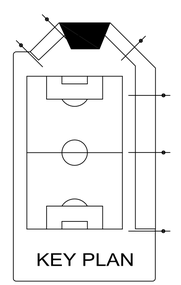




0 4' 8'

1 BLEACHER / FIELD LEVEL PLAN - SELECTIVE REMOVAL
1/4"=1'-0"



BREESE STEVENS FIELD

CONCESSION AND RESTROOM BUILDING

Project

Proj. No.: 1617.02

FIELD LEVEL

FLOOR PLAN
SELECTIVE REMOVAL

Scale:

Drawn By: ..

Date: 04-16-2018

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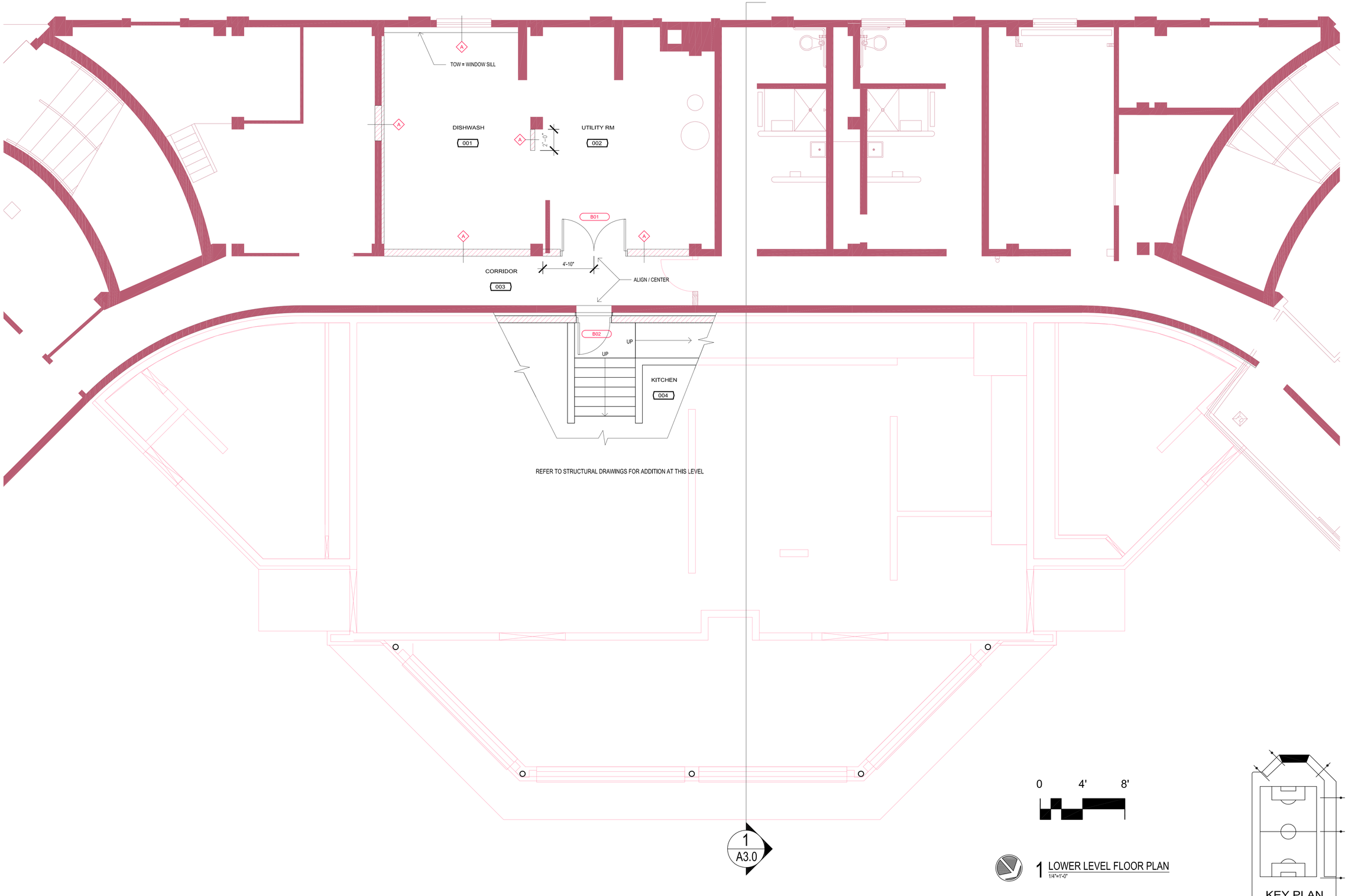
A1.1



0 4' 8'

1 LOWER LEVEL FLOOR PLAN
1/4"=1'-0"

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BREESE STEVENS FIELD

CONCESSION AND RESTROOM BUILDING

Project

Proj. No.: 1617.02

LOWER LEVEL
FLOOR PLAN

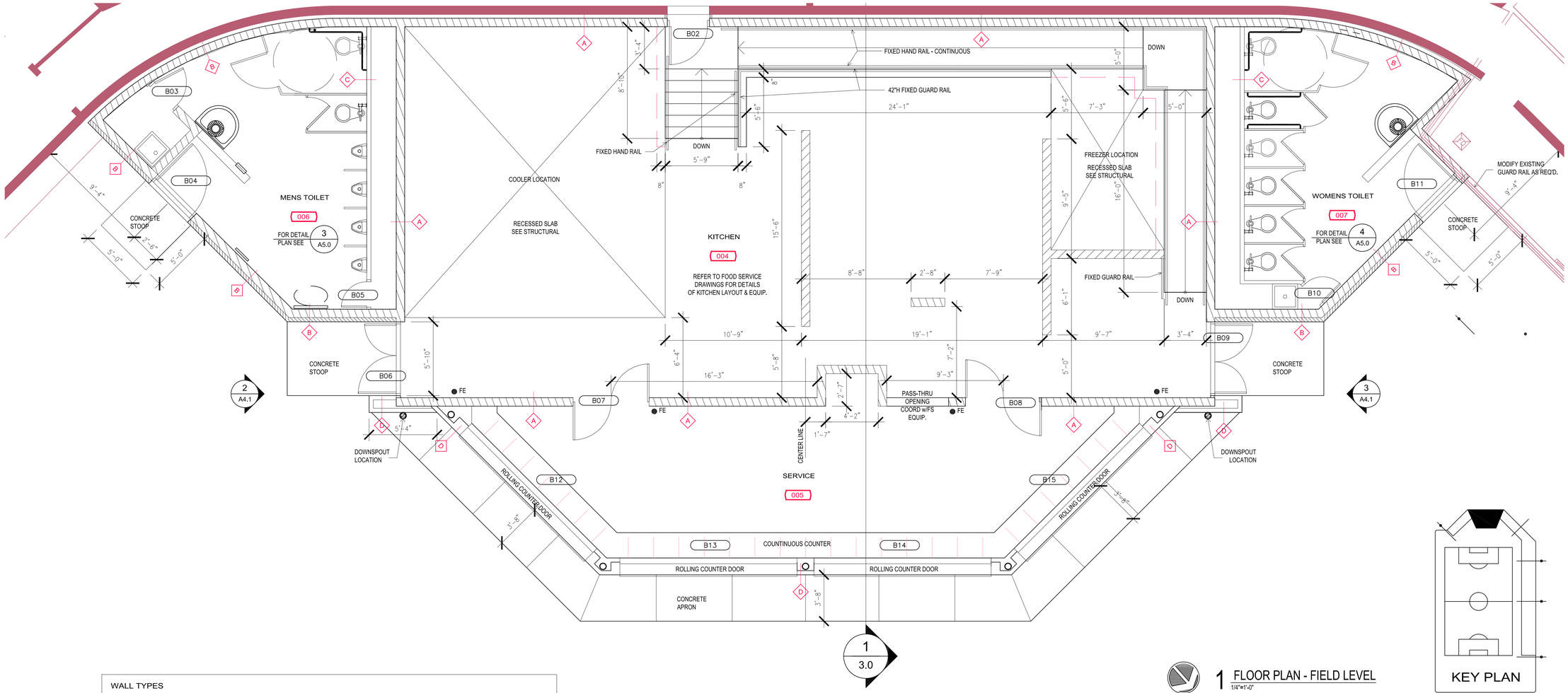
Scale:

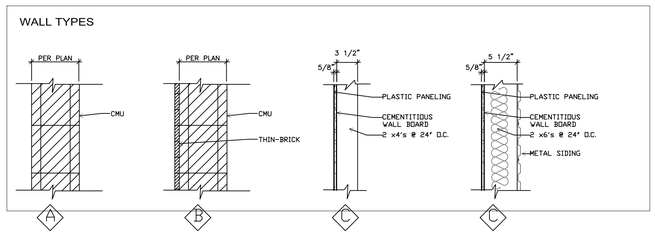
Drawn By: ..

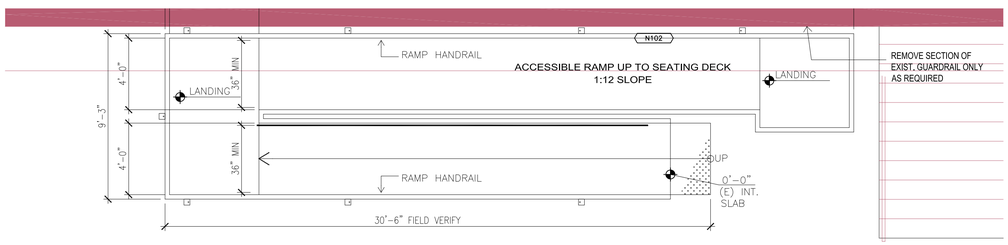
Date: 04-16-2018
7-13-2018

Sheet No:

A2.0







1 FLOOR PLAN - FIELD LEVEL
1/4"=1'-0"

2 ADA RAMP PLAN - FIELD LEVEL
1/4"=1'-0"

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BREESE STEVENS FIELD

CONCESSION AND RESTROOM BUILDING

Project

Proj. No.: 1617.02

FIELD LEVEL
FLOOR PLAN

Scale:

Drawn By: ..

Date: 04-16-2018
07-13-2018

Sheet No:

A2.1

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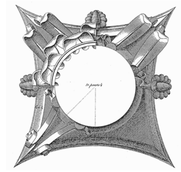


UPPER LEVEL - EXISTING BLEACHERS

GATE 2

GATE 3

3 A3.0

3 A6.0

4 A4.1

3 A3.0

PLUMBING VENT

PLUMBING VENT

ALIGN TYPICAL

MODIFY EXISTING GUARD RAIL AS REQ'D.

SLOPE TO DRAIN

SLOPE TO DRAIN

MODIFY EXISTING GUARD RAIL AS REQ'D.

KITCHEN HOOD EXHAUST

KITCHEN HOOD EXHAUST

8'-0"

8'-0"

2 A4.1

SCUPPER

SCUPPER

3 A3.0

3 A4.1

9'-4"

9'-4"

2 A6.0

2 A6.0

SCUPPER TO CONDUCTOR HEAD TO DOWNSPOUT

SCUPPER TO CONDUCTOR HEAD TO DOWNSPOUT

NOTE: NO ROOF PENETRATIONS
OTHER THAN SHOWN
ON THIS PLAN - NO EXCEPTIONS

SLOPE TO DRAIN

SLOPE TO DRAIN

4 A3.0

FIXED FABRIC AWNING

FIXED FABRIC AWNING

FIXED FABRIC AWNING

3'-4"

14'-9"

4 A6.1

1 A4.1

1 A3.0

0 4' 8'

1 ROOF PLAN
1/4"=1'-0"

KEY PLAN

BREESE STEVENS FIELD

CONCESSION AND RESTROOM BUILDING

Project

Proj. No.: 1617.02

UPPER LEVEL
ROOF PLAN

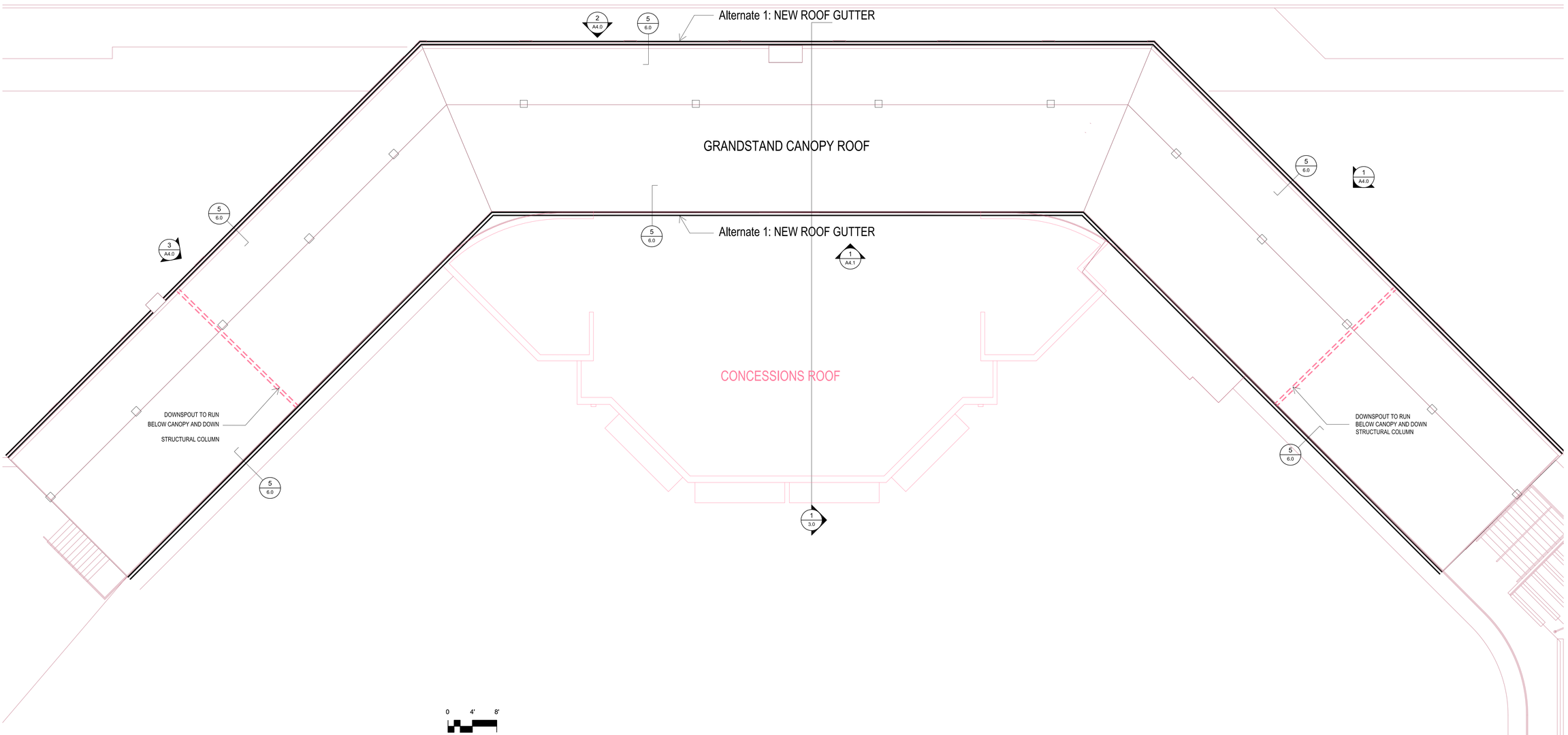
Scale:

Drawn By: ..

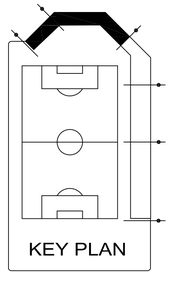
Date: 04-16-2018

Sheet No:

A2.2



1 GRANDSTAND ROOF PLAN
1/8"=1'-0"



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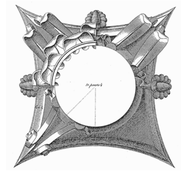


BREESE STEVENS FIELD

CONCESSION AND RESTROOM BUILDING

Project

Proj. No.: 1617.02

ROOF PLAN
GRANDSTAND

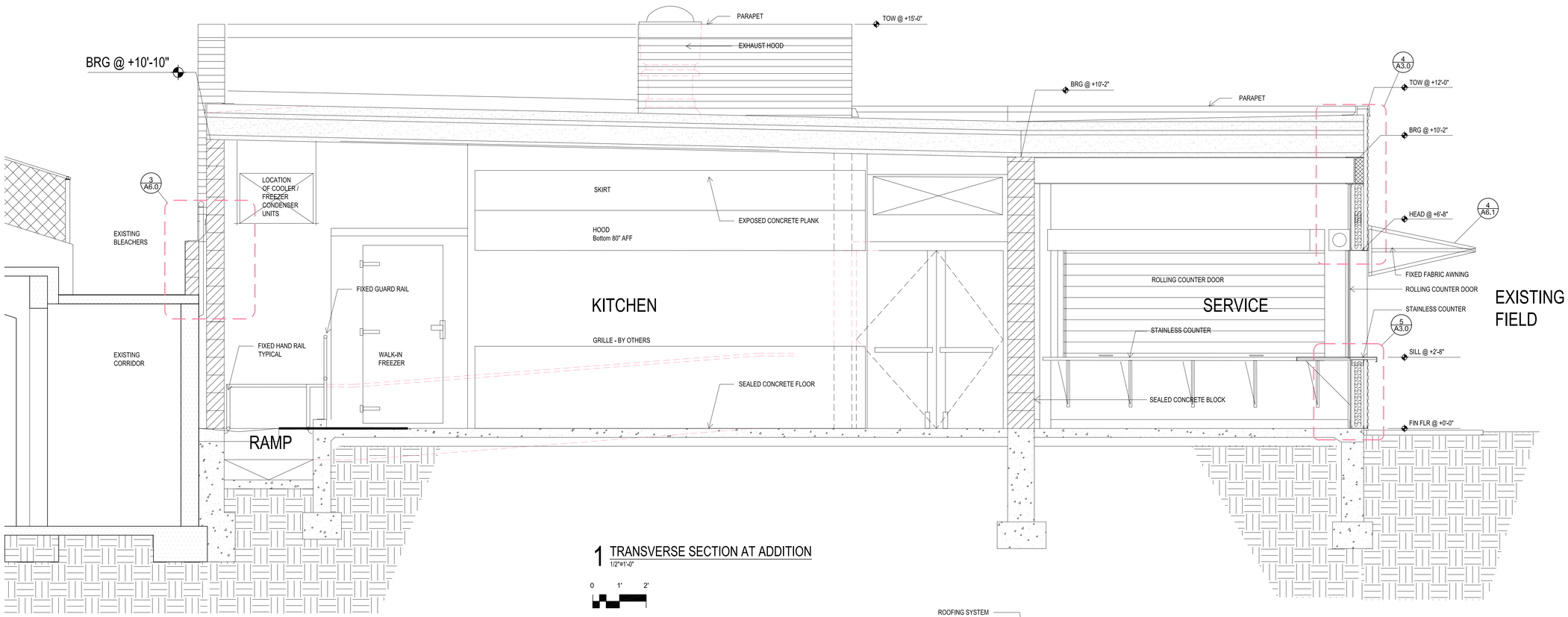
Scale:

Drawn By: ..

Date: 04-16-2018
07-13-2018

Sheet No:

A2.3



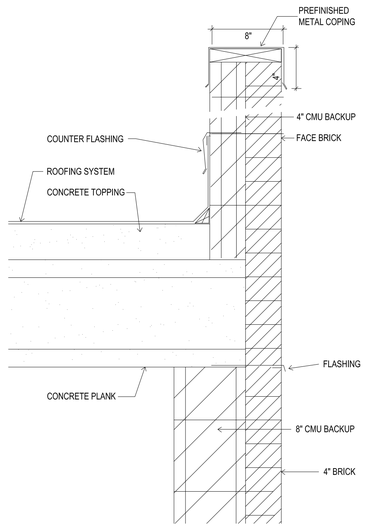
1 TRANSVERSE SECTION AT ADDITION
1/2"=1'-0"

0 1' 2'

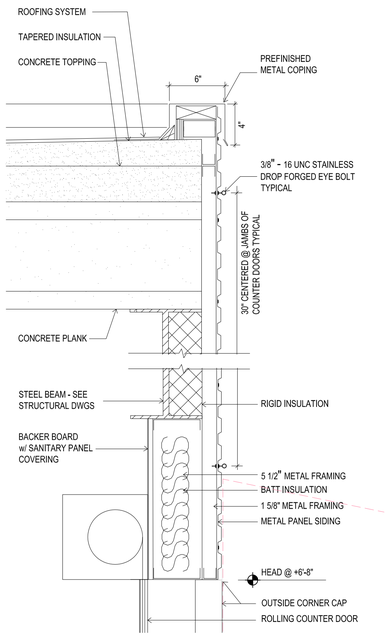
2a BRICK ACUTE CORNER DETAIL
NO SCALE

2b BRICK ACCENT DETAIL
NO SCALE

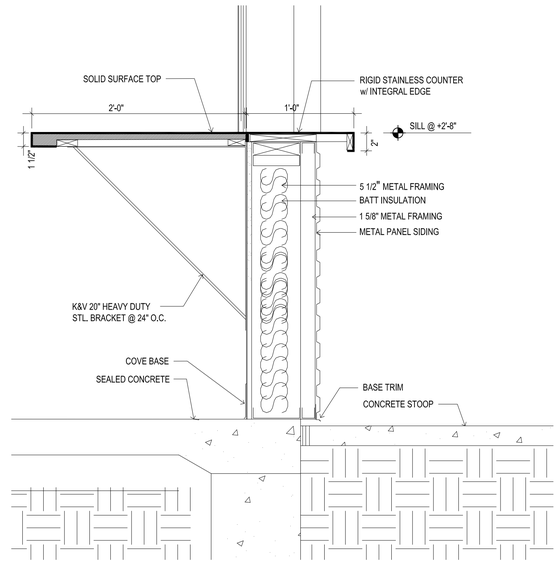
2 BRICK DETAILS
NO SCALE



3 ROOF DETAIL @ PARAPET
1 1/2"=1'-0"



4 ROOF/WALL DETAIL @ COUNTER
1 1/2"=1'-0"



5 WALL DETAIL @ COUNTER
1 1/2"=1'-0"

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BREESE STEVENS FIELD

CONCESSION AND RESTROOM BUILDING

Project

Proj. No.: 1617.02

BUILDING SECTIONS

Scale:

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Date: 04-16-2018

Sheet No:

A3.0

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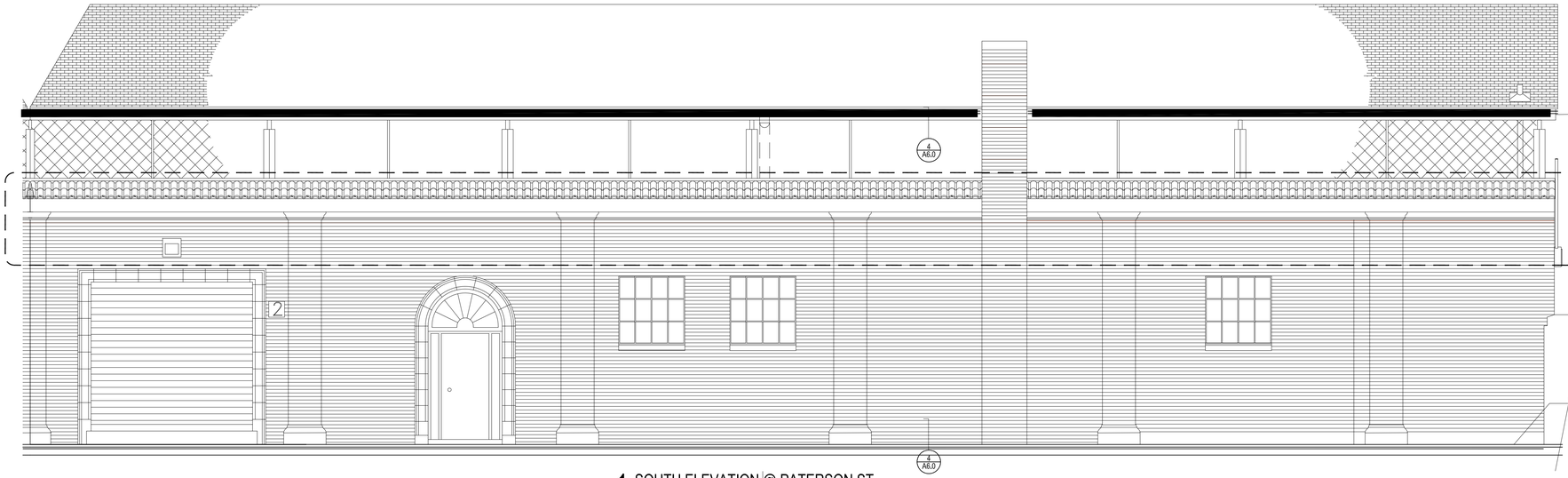
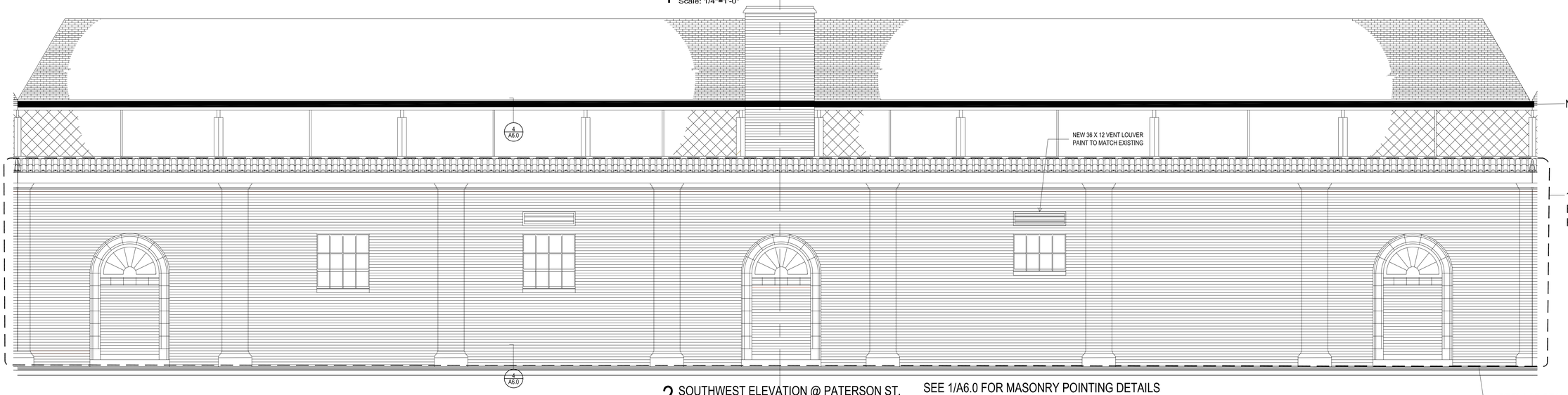
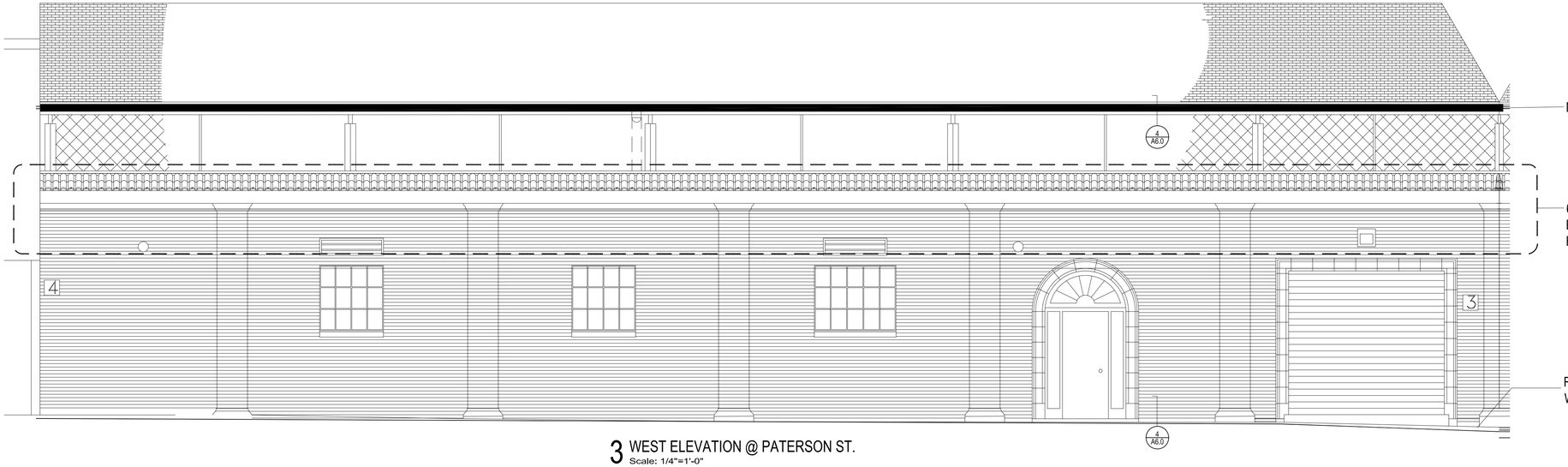


1 SOUTH ELEVATION @ PATERSON ST.
Scale: 1/4"=1'-0"



2 SOUTHWEST ELEVATION @ PATERSON ST.
Scale: 1/4"=1'-0"

SEE 1/A6.0 FOR MASONRY POINTING DETAILS



3 WEST ELEVATION @ PATERSON ST.
Scale: 1/4"=1'-0"

Alternate 1:
ALL WORK
THIS DWG.

BREESE STEVENS FIELD

CONCESSION AND RESTROOM BUILDING

Project

Proj. No.: 1617.02

BUILDING ELEVATIONS
EXTERIOR of GRANDSTAND

Scale:

Drawn By: ..

Date: 04-16-2018
07-13-2018

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A4.0

ADD ALTERNATE 1

ISTHMUS
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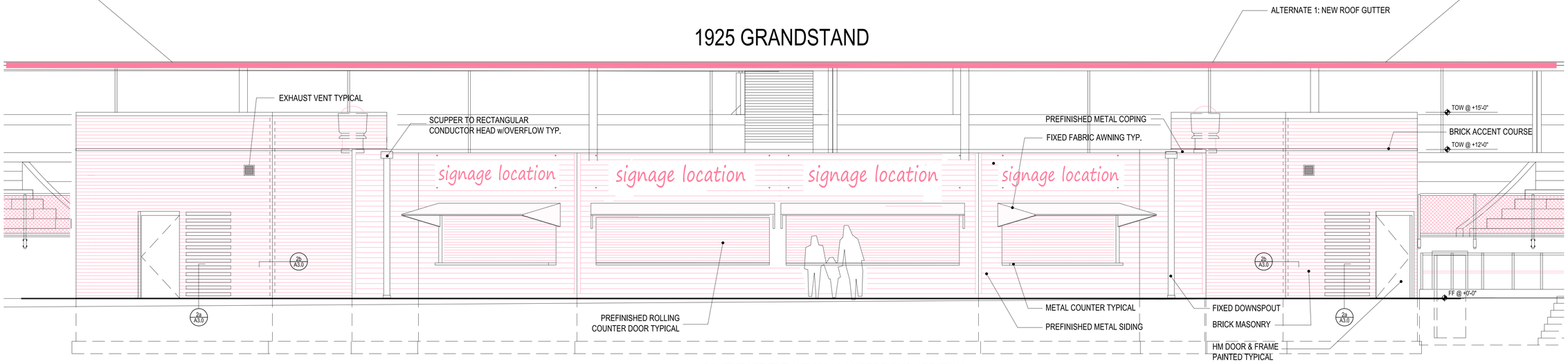
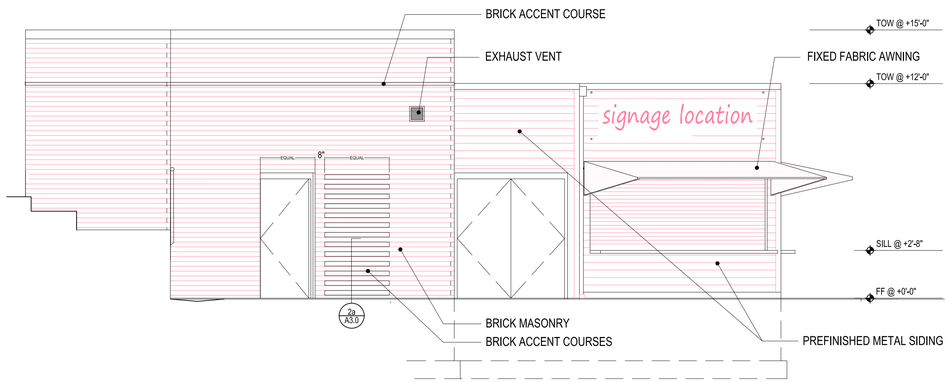
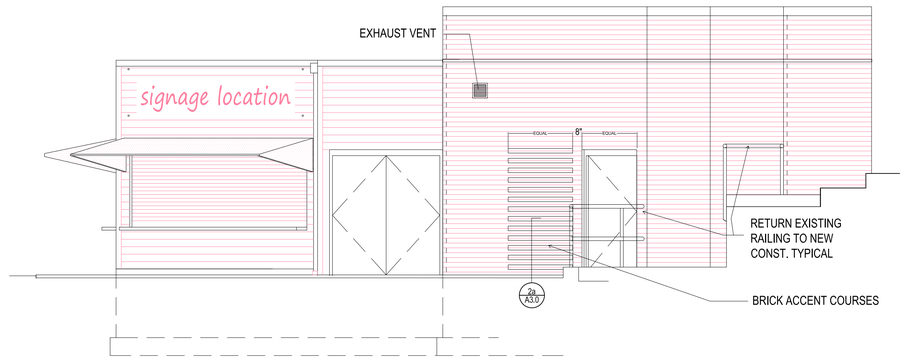
1925 GRANDSTAND



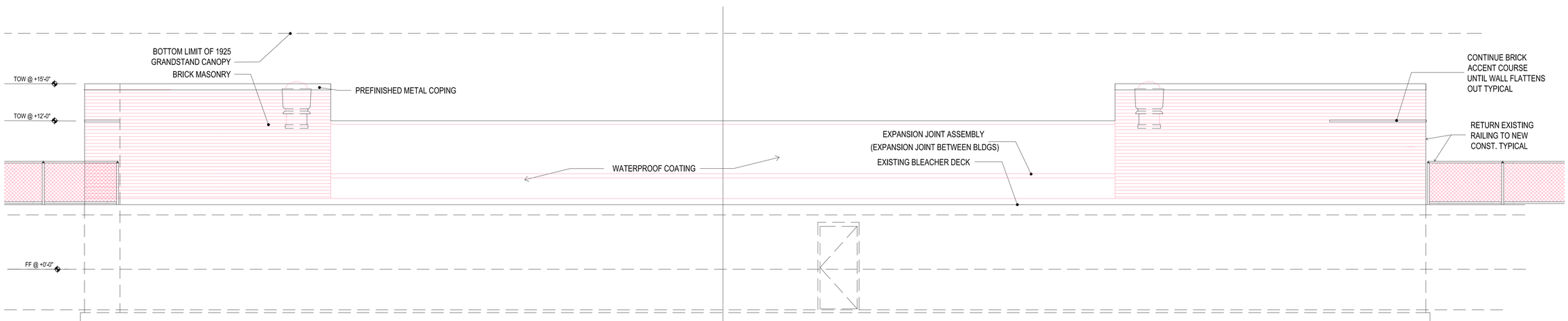
1 SOUTHEAST ELEVATION - CONCESSIONS ADDITION
Scale: 1/4"=1'-0"



2 SOUTH ELEVATION - CONCESSIONS ADDITION
Scale: 1/4"=1'-0"



3 EAST ELEVATION - CONCESSIONS ADDITION
Scale: 1/4"=1'-0"



4 SOUTHWEST ELEVATION @ 1925 BLEACHERS
Scale: 1/4"=1'-0"

BREESE STEVENS FIELD

CONCESSION AND RESTROOM BUILDING

Project

Proj. No.: 1617.02

ELEVATIONS

INTERIOR of GRANDSTAND

Scale:

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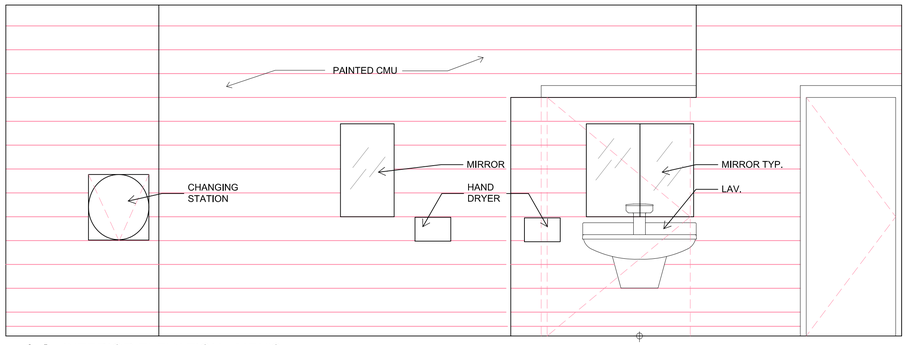
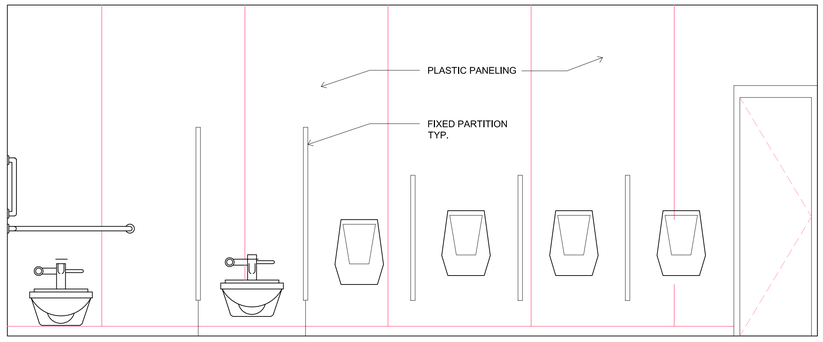
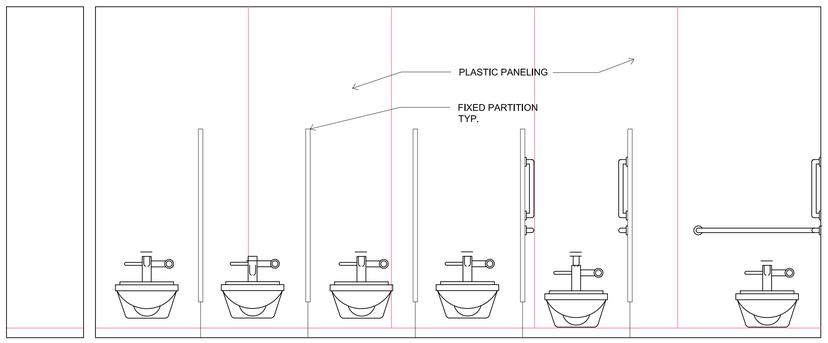
A4.1



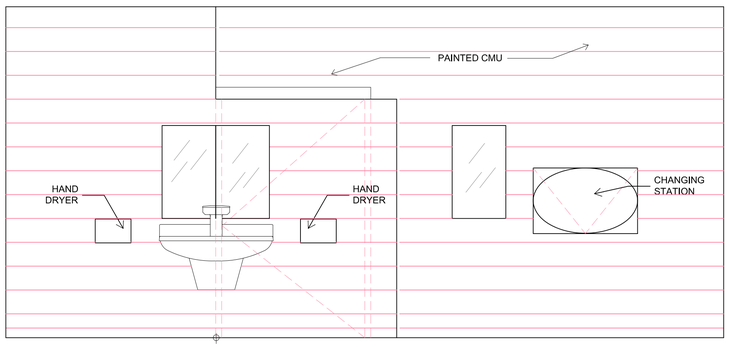
1A INTERIOR ELEVATION - MEN'S
1/2"=1'-0"



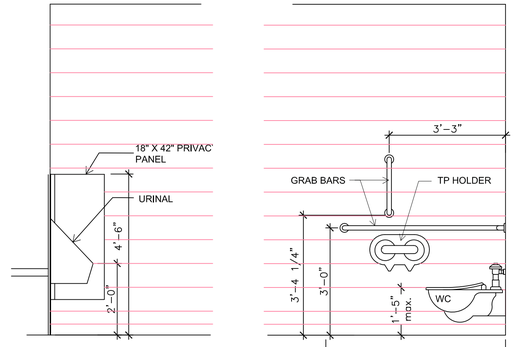
1B INTERIOR ELEVATION - MEN'S
1/2"=1'-0"

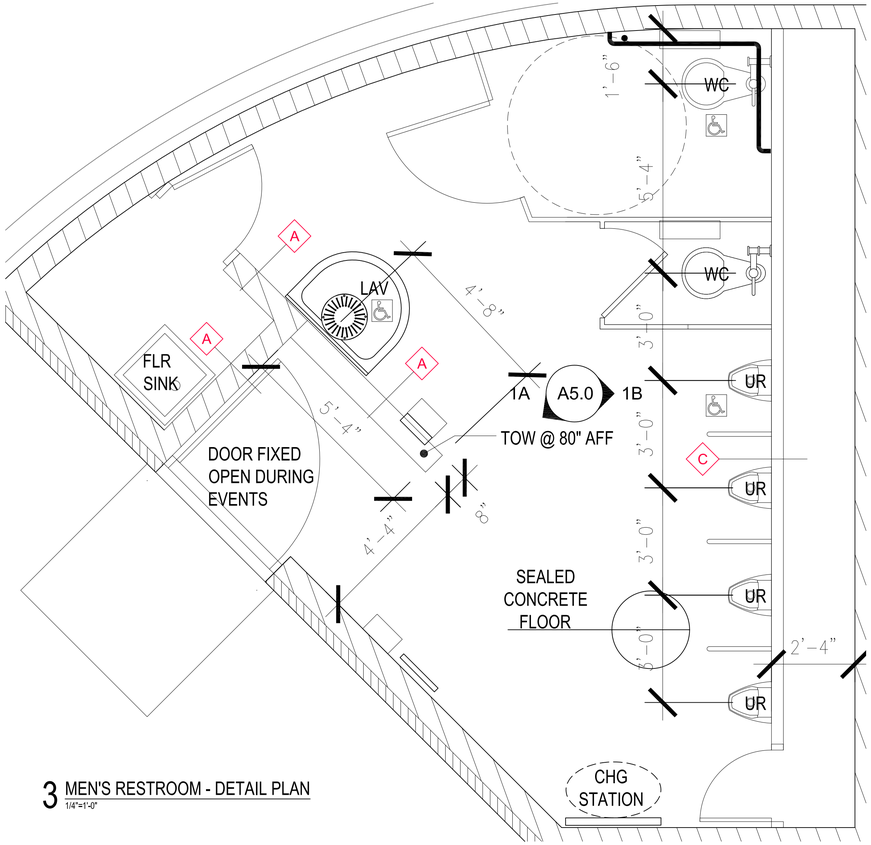


2A INTERIOR ELEVATION - WOMEN'S
1/2"=1'-0"

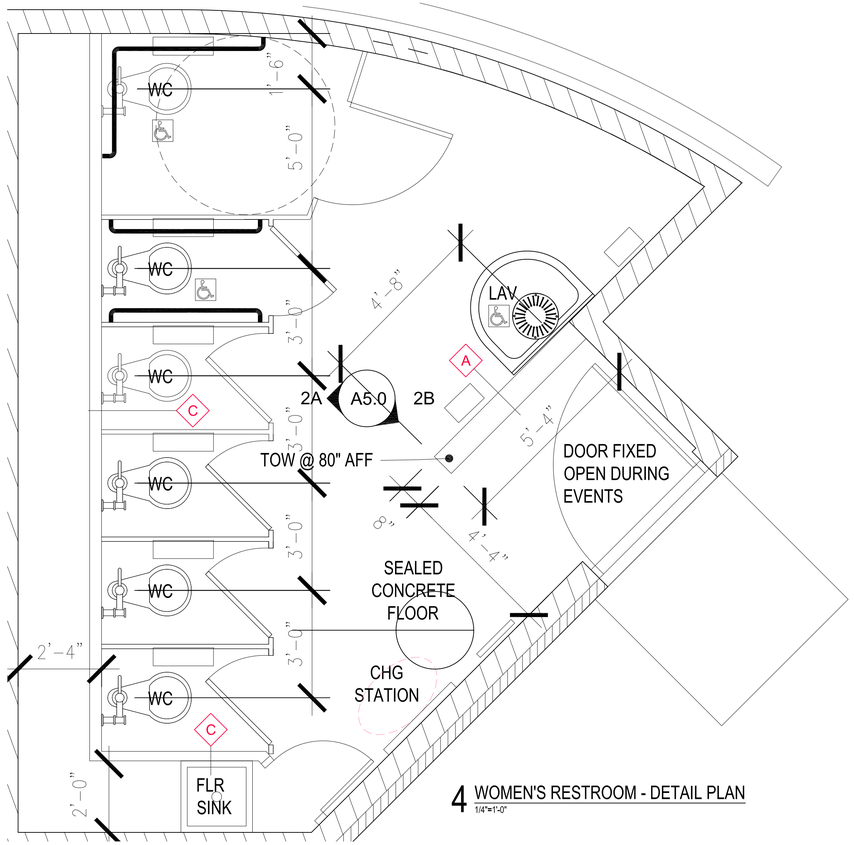


2B INTERIOR ELEVATION - WOMEN'S
1/2"=1'-0"





3 MEN'S RESTROOM - DETAIL PLAN
1/4"=1'-0"



4 WOMEN'S RESTROOM - DETAIL PLAN
1/4"=1'-0"

ISTHMUS
ARCHITECTURE, INC.

BREESE STEVENS FIELD

CONCESSION AND RESTROOM BUILDING

Project

Proj. No.: 1617.02

FIELD LEVEL
RESTROOM DETAILS

Scale:

Drawn By: ..

Date: 04-16-2018

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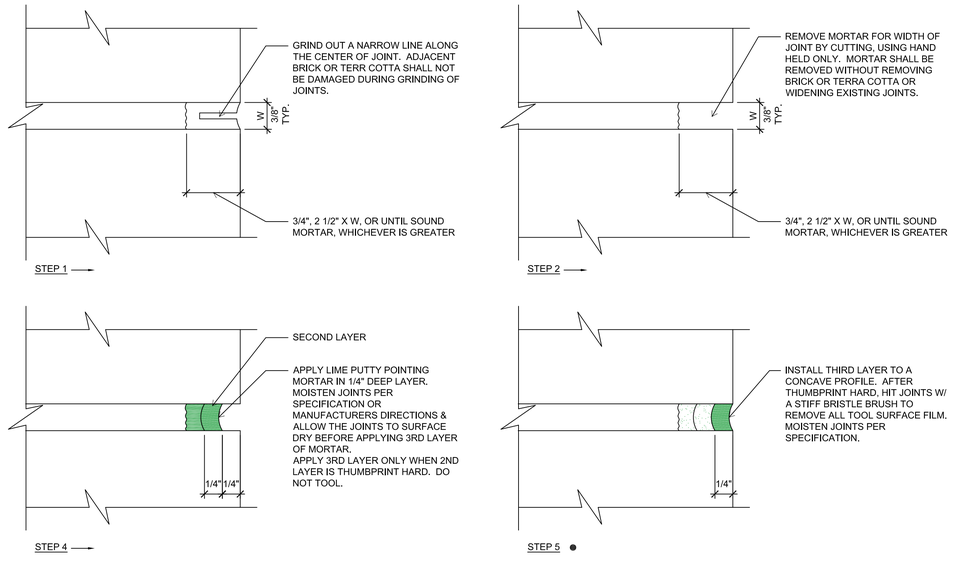
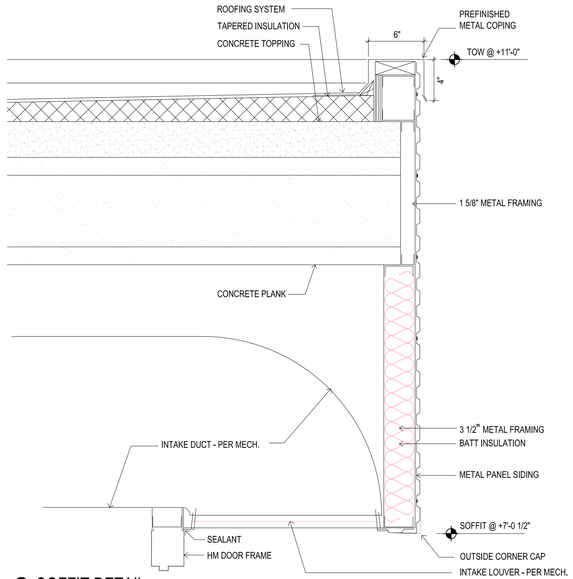
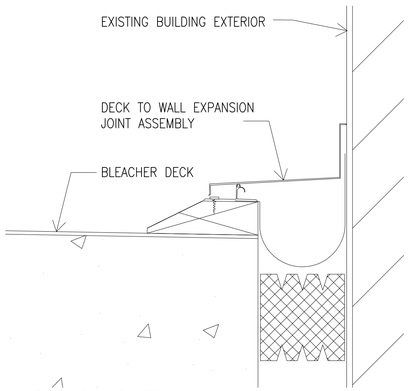
A5.0



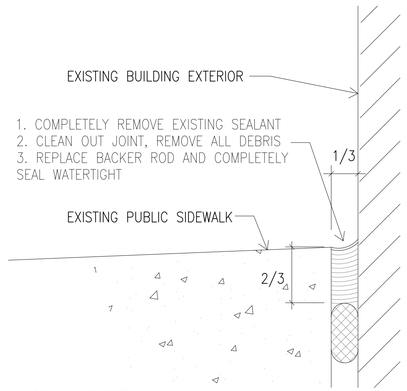
1 MASONRY POINTING DETAILS
Scale: NO SCALE



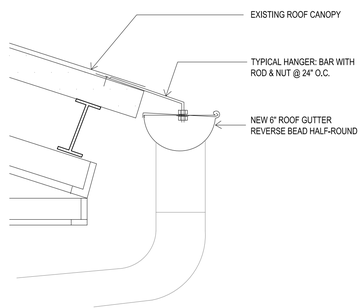
2 SOFFIT DETAIL
Scale: 1 1/2"=1'-0"



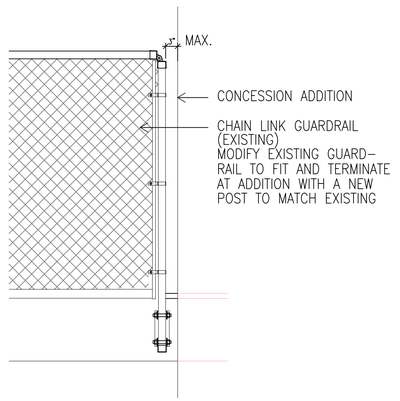
3 FLASHING DETAIL
Scale: NONE



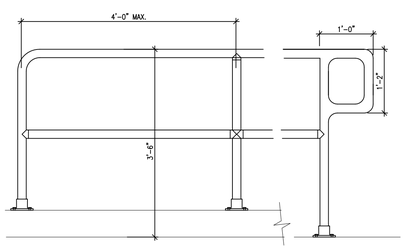
4 SEALANT DETAIL
Scale: NO SCALE



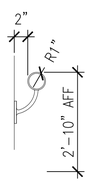
5 GUTTER DETAIL @ EXIST. CANOPY
Scale: 1 1/2"=1'-0"



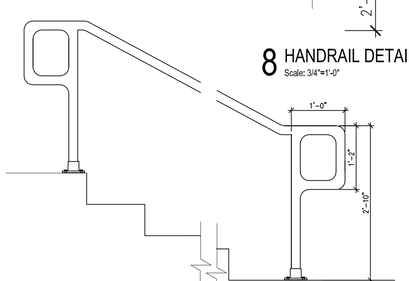
6 GUARDRAIL DETAIL @ EXTERIOR
Scale: 3/4"=1'-0"



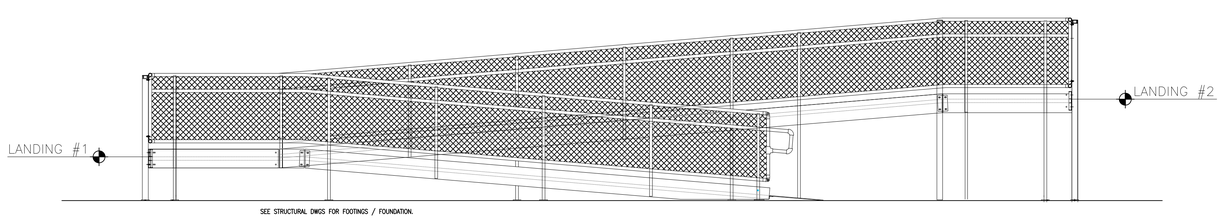
7 GUARDRAIL DETAIL @ INTERIOR
Scale: 3/4"=1'-0"



8 HANDRAIL DETAIL @ WALL
Scale: 3/4"=1'-0"



9 HANDRAIL DETAIL @ INT. STAIR
Scale: 3/4"=1'-0"



10 ADA RAMP ELEVATION
Scale: 3/8"=1'-0"

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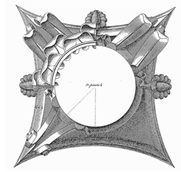


BREESE STEVENS FIELD

CONCESSION AND RESTROOM BUILDING

Project

Proj. No.: 1617.02

EXTERIOR DETAILS

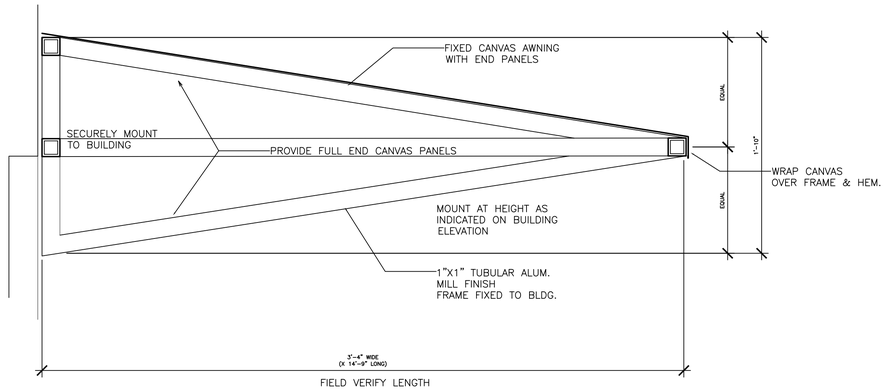
Scale:

Drawn By: ..

Date: 04-16-2018

Sheet No:

A6.0



4 FIXED FABRIC AWNING DETAIL
Scale: 3"=1'-0"

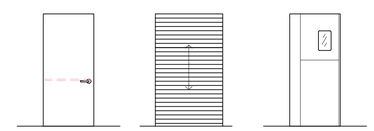
FINISH SCHEDULE

ROOM #	ROOM NAME	FLOORS TYPE	FLOORS FINISH	WALLS TYPE	WALLS FINISH	CEILING TYPE	CEILING FINISH	NOTES
001	DISH WASH	(E) C	S S	(E) CMU	NONE P	(E)	NONE	REPAIR CONCRETE SLAB WHERE CUT & PATCHED; NO FINISH TO (E) WALLS, PAINT (N) WALLS
002	UTILITY	(E) C	S S	(E) CMU	NONE P	(E)	NONE	REPAIR CONCRETE SLAB WHERE CUT & PATCHED; NO FINISH TO (E) WALLS, PAINT (N) WALLS
003	CORRIDOR	(E) C	NONE NONE	(E) CMU	NONE P	(E)	NONE	REPAIR CONCRETE SLAB AND WALLS WHERE CUT & PATCHED; NO FINISH TO (E) WALLS, PAINT (N) WALLS
004	KITCHEN	C	EPX	CMU	P	C	P	RESINOUS FLOORING WITH INTEGRAL COVE BASE.
005	SERVICE	C	EPX	FRP CMU	P	C	P	RESINOUS FLOORING WITH INTEGRAL COVE BASE.
006	MEN'S TOILET	C	S	CMU	P	C	P	
007	WOMEN'S TOILET	C	S	CMU	P	C	P	
008	JANITOR CLOSET	C	S	CMU	P	C	P	
008	JANITOR CLOSET	C	S	CMU	P	C	P	

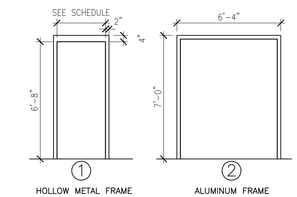
ABBREVIATION KEY

C	CONCRETE
CMU	CONC. MASONRY UNIT
(E)	EXISTING
MTL	METAL
NONE	NO APPLIED FINISH
N/A	NOT APPLICABLE
P	PAINT
S	CONCRETE SEALER
EPX	EPOXY RESINOUS FLOORING
FRP	SANITARY WALL PANELS

DOOR TYPE ELEVATIONS



FRAME TYPE ELEVATIONS



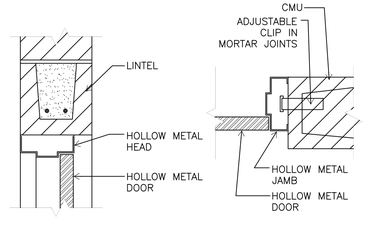
SEE DETAILS BELOW FOR TYPICAL HEAD, JAMB & SILL.

DOOR AND FRAME SCHEDULE

DOOR OPNG. NO.	ROOM	DOOR SIZE H	DOOR SIZE W	DOOR SIZE T	DOOR MATL	DOOR TYPE	FRAME MATL	FRAME TYPE	HARDWARE NOTES	REMARKS
B01	001	6'-8"	3'-0" 3'-0"	1-3/4"	HM	A	HM	1	1,5,6,8,9,10	PAIR OF DOORS
B02	004	6'-8"	3'-0"	1-3/4"	HM	A	HM	1	1,5,6,8,10	
B03	008	6'-8"	2'-0"	1-3/4"	HM	A	HM	1	1,3	
B04	006	6'-8"	4'-0"	1-3/4"	HM	A	HM	1	2,4,9,13	
B05	006	6'-8"	2'-0"	1-3/4"	HM	A	HM	1	1,3	
B06	004	6'-8"	3'-0" 2'-0"	1-3/4"	HM	A	HM	1	1,5,6,8,11,12	PAIR OF DOORS
B07	005	6'-8"	3'-0" 3'-0"	–	MTL	C		2	–	PAIR, DBL ACTING, FOOD SERVICE
B08	005	6'-8"	3'-0" 3'-0"	–	MTL	C		2	–	PAIR, DBL ACTING, FOOD SERVICE
B09	004	6'-8"	2'-0" 3'-0"	1-3/4"	HM	A	HM	1	1,5,6,8,11,12	PAIR OF DOORS
B10	009	6'-8"	2'-0"	1-3/4"	HM	A	HM	1	1,3	
B11	007	6'-8"	4'-0"	1-3/4"	HM	A	HM	1	2,4,9,13	
B12	005	4'-0"	14'-0"	–	MTL	B	MTL	–	7	ROLLING COUNTER DOOR
B13	005	4'-0"	14'-0"	–	MTL	B	MTL	–	7	ROLLING COUNTER DOOR
B14	005	4'-0"	14'-0"	–	MTL	B	MTL	–	7	ROLLING COUNTER DOOR
B15	005	4'-0"	14'-0"	–	MTL	B	MTL	–	7	ROLLING COUNTER DOOR

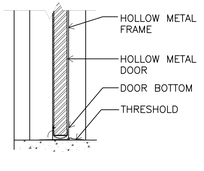
DOOR HARDWARE NOTES

HARDWARE ITEM #	ITEM DESCRIPTION
1	HINGES (3) – STANDARD WEIGHT NON-BALL BEARING
2	HINGES (3) – HEAVY WEIGHT BALL BEARING
3	ENTRY LOCKSET
4	DEADBOLT WITH GULL WING PULL ON EXTERIOR
5	SURFACE VERTICAL EXIT DEVICE WITH KEYED C-GRIP EXTERIOR
6	INTERIOR DOOR MOUNTED CLOSER
7	OVERHEAD DOOR HARDWARE
8	KICKPLATE ON PUSH SIDE
9	FLOOR STOP AND AUTOMATIC HOLDER
10	KICK DOWN DOOR HOLDER
11	EDGE BOLTS ON INACTIVE LEAF
12	THRESHOLD + DOOR SHOE w/DRIP
13	FLOOR STOP – MANUAL TYPE



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

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



3 DOOR SILL
Scale: 1 1/2"=1'-0"

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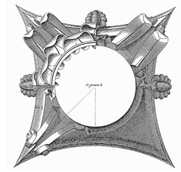

BREESE STEVENS FIELD

CONCESSION
AND
RESTROOM
BUILDING

Project

Proj. No.: 1617.02

SCHEDULES
& DETAILS

Scale:

Drawn By: ..

Date: 04-16-2018

Sheet No:

A6.1

PLUMBING GENERAL NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AFFECTING THE WORK.
2. THESE DRAWINGS ARE NECESSARILY DIAGRAMMATIC IN NATURE. NOT ALL FITTINGS, OFFSETS, VENTS, PIPING AND DRAINS ARE SHOWN. IT IS THE INTENT OF THESE DRAWINGS THAT A COMPLETE FUNCTIONING SYSTEM, HAVING BEEN PROPERLY TESTED, WILL BE OPERATIONAL UPON COMPLETION OF INSTALLATION. THE CONTRACTOR SHALL INCLUDE ALL FITTINGS, OFFSETS, VENTS, PIPING AND DRAINS TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.
3. DRAWINGS OF OTHER TRADES SHALL BE REVIEWED. CONTRACTOR SHALL COORDINATE THE INSTALLATION AND SCHEDULING OF THE WORK WITH OTHER TRADES TO PREVENT INTERFERENCE WITH THEIR RESPECTIVE INSTALLATION.
4. INSTALL WORK SUBSTANTIALLY AS SHOWN ON THE DRAWINGS. DEVIATIONS FROM LOCATIONS OF PIPING INDICATED ON THE DRAWINGS MAY HAVE TO BE MADE AT NO ADDITIONAL COST TO THE OWNER IN ORDER TO CLEAR THE WORK OF THE OTHER TRADES. HOWEVER, ALL SUCH DEVIATIONS SHALL BE PREVIOUSLY APPROVED BY THE OWNER'S REPRESENTATIVE.
5. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT LOCATION OF ROOF DRAINS, PLUMBING FIXTURES, SOFFITS, STRUCTURAL DIMENSIONS AND LAYOUT. VERIFY CEILING HEIGHT AND MATERIALS.
6. UNLESS NOTED OTHERWISE ALL HORIZONTAL WASTE PIPING 3" AND LARGER SHALL BE INSTALLED AT A SLOPE OF 1/8" PER FOOT, AND PIPING 2" AND SMALLER AT 1/4" PER FOOT. ALL SANITARY WASTE AND VENT PIPING SHALL BE SLOPED TO DRAIN.
7. ALL PIPING SHALL BE INSTALLED AS HIGH AS REASONABLY POSSIBLE UNLESS NOTED OTHERWISE. PIPING SHALL NOT BE INSTALLED IN OR ABOVE ELECTRICAL ROOMS UNLESS NOTED OTHERWISE.
8. COORDINATE FINAL LOCATION OF ALL DRAINS AND CLEANOUTS WITH ARCHITECTURAL, KITCHEN, AND HVAC DRAWINGS.
9. PLUMBING PIPES SHALL NOT BE RUN THROUGH FOOTINGS. EXCEPTIONS ARE TO BE SLEEVED AND PRIOR APPROVAL IS TO BE RECEIVED FROM OWNER'S REPRESENTATIVE.
10. CONFLICTS BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID OPENING. THE ENGINEER RESERVES THE RIGHT TO FINAL DECISION.
11. SOME KITCHEN EQUIPMENT IS ROUGH-IN ONLY FOR BASE BID. COORDINATE WITH ARCHITECTURAL INSTRUCTIONS.

FIRE PROTECTION GENERAL NOTES:

1. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AFFECTING THE WORK.
2. THESE DRAWINGS ARE NECESSARILY DIAGRAMMATIC IN NATURE. NOT ALL SPRINKLERS, FITTINGS, OFFSETS, PIPING AND DRAINS ARE SHOWN. IT IS THE INTENT OF THESE DRAWINGS THAT A COMPLETE FUNCTIONING SYSTEM, HAVING BEEN PROPERLY TESTED, WILL BE OPERATIONAL UPON COMPLETION OF INSTALLATION. THE CONTRACTOR SHALL INCLUDE ALL SPRINKLERS, FITTINGS, OFFSETS, PIPING AND DRAINS TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.
3. DRAWINGS OF OTHER TRADES SHALL BE REVIEWED. CONTRACTOR SHALL COORDINATE THE INSTALLATION AND SCHEDULING OF THE WORK WITH OTHER TRADES TO PREVENT INTERFERENCE WITH THEIR RESPECTIVE INSTALLATION.
4. INSTALL WORK SUBSTANTIALLY AS SHOWN ON THE DRAWINGS. DEVIATIONS FROM LOCATIONS OF PIPING INDICATED ON THE DRAWINGS MAY HAVE TO BE MADE AT NO ADDITIONAL COST TO THE OWNER IN ORDER TO CLEAR THE WORK OF THE OTHER TRADES. HOWEVER, ALL SUCH DEVIATIONS SHALL BE PREVIOUSLY APPROVED BY THE OWNER'S REPRESENTATIVE.
5. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT DIMENSIONS AND LAYOUT. VERIFY CEILING AND SOFFIT HEIGHTS AND MATERIALS. DO NOT PENETRATE LOAD BEARING CMU WALLS WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER.
6. PIPING SHALL BE INSTALLED AS HIGH AS REASONABLY POSSIBLE UNLESS NOTED OTHERWISE. PIPING SHALL NOT BE INSTALLED IN OR ABOVE ELECTRICAL ROOMS UNLESS NOTED OTHERWISE. PIPE SIZES INDICATED ARE THE MINIMUM ACCEPTABLE SIZES. IF CONTRACTOR'S HYDRAULIC CALCULATIONS INDICATE THAT LARGER SIZES ARE REQUIRED THEY ARE TO BE PROVIDED AT NO ADDITIONAL COST TO THE PROJECT.
7. SPRINKLER HEADS SHALL BE CENTERED WITHIN CEILING TILES. COORDINATE SPRINKLER HEAD LOCATIONS WITH LIGHTING AND DIFFUSER LOCATIONS.
8. CONFLICTS BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID OPENING. THE ENGINEER RESERVES THE RIGHT TO FINAL DECISION.

DOMESTIC WATER CALCULATION WORKSHEET - WATER SERVICE TO WATER METER OUTLET

CALCULATE THE PRESSURE AVAILABLE FOR WATER DISTRIBUTION (VALUE OF "B")

1.	DEMAND OF DOMESTIC WATER SERVICE FOR BUILDING (114 SFU, IN GALLONS PER MINUTE)	VALUE OF "1"	72
2.	PRESSURE AT BUILDING ENTRANCE (FIELD READING 01/17/2017, IN PSI)	VALUE OF "2"	75
3.	DIFFERENCE IN ELEVATION FROM FIELD READING TO METER (IN FEET)	VALUE OF "3"	0
4.	SIZE OF WATER METER, TO BE VERIFIED WITH UTILITY (IN INCHES)	VALUE OF "4"	2
5.	DEVELOPED LENGTH FROM MAIN TO METER	VALUE OF "5"	N/A
6.	PRESSURE LOSS DUE TO FRICTION IN 4" WATER SERVICE (IN PSI)	VALUE OF "6"	N/A
7.	PRESSURE LOSS DUE TO ELEVATION FROM FIELD READING TO METER IN FEET 0 x 0.434 PSI / FOOT (IN PSI)	VALUE OF "7"	0
8.	AVAILABLE PRESSURE AT WATER METER (IN PSI)	SUBTRACT "6" AND "7"	75
9.	PRESSURE LOSS THROUGH WATER METER (IN PSI)	VALUE OF "9"	4
10.	AVAILABLE PRESSURE AFTER WATER METER (IN PSI, VALUE OF "B")	SUBTRACT VALUE OF "9"	71

DOMESTIC WATER CALCULATION WORKSHEET (HW @ DISHWASHER)

CALCULATE THE PRESSURE AVAILABLE FOR UNIFORM LOSS (VALUE OF "A")

B.	AVAILABLE PRESSURE AFTER WATER METER (IN PSI, VALUE OF "B")	VALUE OF "B"	71
C.	PRESSURE REQUIRED AT CONTROLLING FIXTURE (HW @ DISHWASHER) USE 5 PSI / 100'	SUBTRACT VALUE OF "C" SUBTOTAL	30 41
D.	DIFFERENCE IN ELEVATION BETWEEN WATER METER AND THE CONTROLLING FIXTURE IN FEET 0 x 0.434 PSI / FOOT	SUBTRACT VALUE OF "D" SUBTOTAL	0 41
E.	PRESSURE LOSS DUE TO WATER TREATMENT DEVICES, INSTANTANEOUS WATER HEATERS AND BACKFLOW PREVENTERS WHICH SERVE THE CONTROLLING FIXTURE (WATER SOFTENER)	SUBTRACT VALUE OF "E" SUBTOTAL	15 26
F.	DEVELOPED LENGTH FROM WATER METER TO CONTROLLING FIXTURE IN FEET 40 x 1.5 = 60 WATER DISTRIBUTION MATERIAL => L-COPPER	DIVIDE BY VALUE OF "F" SUBTOTAL MULTIPLY BY	60 0.43 100
A.	PRESSURE AVAILABLE FOR UNIFORM PRESSURE LOSS	" A " =	43.0

PLUMBING ABBREVIATIONS LIST

ABBR	DESCRIPTION
ACM	ASBESTOS CONTAINING MATERIAL
AF	ABOVE FLOOR
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
ASC	ABOVE SUSPENDED CEILING
AV	ACID VENT
AW	ACID WASTE
AWC	AUTOMATIC WASHER CONNECTION
BF	BELOW FLOOR
BT	BATH TUB
BV	BALL VALVE
CA	CLINICAL AIR
CAI	COMBUSTION AIR INTAKE
CDR	CHILLED DRINKING WATER RETURN
CDW	CHILLED DRINKING WATER
CI	CAST IRON
CLG	CEILING
CO	CLEANOUT
COND	STORM CONDUCTOR
CP	HOT WATER RECIRCULATION PUMP
CSS	CLINICAL SERVICE SINK
CS	COLD SOFT WATER
CV	CIRCUIT VENT
CW	COLD WATER (NOT SOFTENED)
CWV	CLEAR WATER VENT
CWW	CLEAR WATER WASTE
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DI	DEIONIZED WATER
DN	DOWN
DW	DISH WASHER
DWH	DOMESTIC WATER HEATER
EC	ELECTRICAL CONTRACTOR
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXH	EXHAUST / FLUE GAS EXHAUST
F	FIRE
FCO	FINISHED CLEANOUT
FD	FLOOR DRAIN
FDV	FIRE DEPARTMENT VALVE
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FFE	FINISHED FLOOR ELEVATION
FPC	FIRE PROTECTION CONTRACTOR
FS	FLOW SWITCH
FT	FOOT
FV	FLUSH VALVE (FLUSHOMETER)
FWCO	FINISHED WALL CLEANOUT
G	GAS
GC	GENERAL CONTRACTOR
GI	GREASE INTERCEPTOR
GO	GAS OUTLET
GPM	GALLONS PER MINUTE
HB	HOSE BIBB (INTERIOR)
HC	HEATING CONTRACTOR
HD	HUB DRAIN
HW	HOT WATER
HWR	HOT WATER RETURN
HWT	HOT WATER TAP
IE	INVERT ELEVATION
L	LAVATORY (LAV)
LA	LABORATORY AIR
LS	LABORATORY SINK
LT	LAUNDRY TRAY
LV	LABORATORY VACUUM
MB	MOP BASIN
MV	MIXING VALVE
NPCW	NON-POTABLE COLD WATER
PC	PLUMBING CONTRACTOR
PD	PUMPED DISCHARGE
PRV	PRESSURE REDUCING VALVE
RD	ROOF DRAIN
RM	ROOM
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RV	RELIEF VENT
S	SINK
SAN	SANITARY
SE	SEWAGE EJECTOR
SP	SUMP PUMP
SS	SANITARY STACK
SSD	SUB-SOIL DRAIN
ST	STORM
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
TMV	THERMOSTATIC MIXING VALVE
UF	UNDER FLOOR
UR	URINAL
V	VENT
VS	VENT STACK
VTR	VENT THRU ROOF
W	WASTE
WB	WALL BOX
WC	WATER CLOSET
WCO	WALL CLEANOUT
WF	WASH FOUNTAIN, CIRCULAR OR SEMI-CIRCULAR
WH	WALL HYDRANT (EXTERIOR)
WHA	WATER HAMMER ARRESTOR
WS	WASTE STACK
WSFU	WATER SUPPLY FIXTURE UNITS
YCO	YARD CLEANOUT

NOTE:
THIS IS A COMPOSITE LIST OF ABBREVIATIONS, NOT ALL PERTAIN SPECIFICALLY TO THIS PROJECT.

PLUMBING SYMBOLS LIST

SYMBOL	DESCRIPTION
	SANITARY LINE ABOVE OR BELOW FLOOR
— CS —	COLD SOFTENED WATER PIPING
— ST —	STORM WATER PIPING
— GW —	GREASY WASTE PIPING
– – – – –	VENT PIPING
—— - ——	COLD WATER SUPPLY PIPING
—— – – ——	HOT WATER SUPPLY PIPING
—— – – – ——	HOT WATER RECIRCULATION/RETURN PIPING
—CWW—	CLEAR WATER WASTE PIPING
– – CWV – –	CLEAR WATER VENT PIPING
– – SSD – –	SUB-SOIL DRAIN PIPING
—DSPR—	DRY SPRINKLER PIPING
	CAPPED PIPING
	NEW CONNECTION
	PIPING/EQUIP TO BE REMOVED
FCO	CLEANOUT - FLOOR OR YARD
CO	CLEANOUT - PLUG TYPE
	BALL VALVE
	BALANCING VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	GATE VALVE
	GLOBE VALVE
	PRESSURE REDUCING VALVE
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	TEE - TOP OUTLET
	TEE - BOTTOM OUTLET
	SCREWED UNION
	FLANGED CONNECTION
HB	HOSE BIBB
WH	WALL HYDRANT
2"FD-A	FLOOR DRAIN, DESIGNATION, NUMBER & SIZE
RD	ROOF DRAIN
F-1	FIXTURE DESIGNATION & NUMBER
	ELECTRIC WATER COOLER / DRINKING FOUNTAIN
	LAVATORY
	REDUCED PRESSURE BACKFLOW PREVENTOR
	URINAL, WALL MOUNTED
M	METER
	WATER CLOSET - TANK TYPE
	WATER CLOSET, FLOOR SET - FLUSH VALVE
	WATER CLOSET, WALL MOUNTED - FLUSH VALVE
	WATER HAMMER ARRESTOR / SHOCK STOP
	TEMPERATURE & PRESSURE RELIEF VALVE

NOTE:
THIS IS A COMPOSITE LIST OF SYMBOLS, NOT ALL PERTAIN SPECIFICALLY TO THIS PROJECT.

EXTERIOR GREASE INTERCEPTOR SIZING

WISC ADMIN CODE SPS 382.34(5) (c)

M = 2100 (MEALS SERVED PER DAY)

G = 3 (GALLONS PER MEAL SERVED)

H = 12 (HOURS PER DAY THAT MEALS ARE SERVED, AT LEAST 6 HOURS BUT NOT MORE THAN 12 HOURS)

P = 3 (MEAL PERIODS PER DAY; 1, 2 OR 3)

C = (M x G x H) / (2 x P)

C = 12,600 (MINIMUM CAPACITY IN GALLONS)

C = 6,300 (MIN CAP GAL, INCLUDES 0.5 PAPER SERVICE FACTOR)

SHEET INDEX

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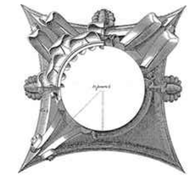

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JOB NO. 17-8996A

BREESE STEVENS FIELD

CONCESSIONS & RESTROOM BUILDING ADDITION

Project

Proj. No.: 1617.02

PLUMBING

SYMBOLS, NOTES AND ABBREVIATIONS

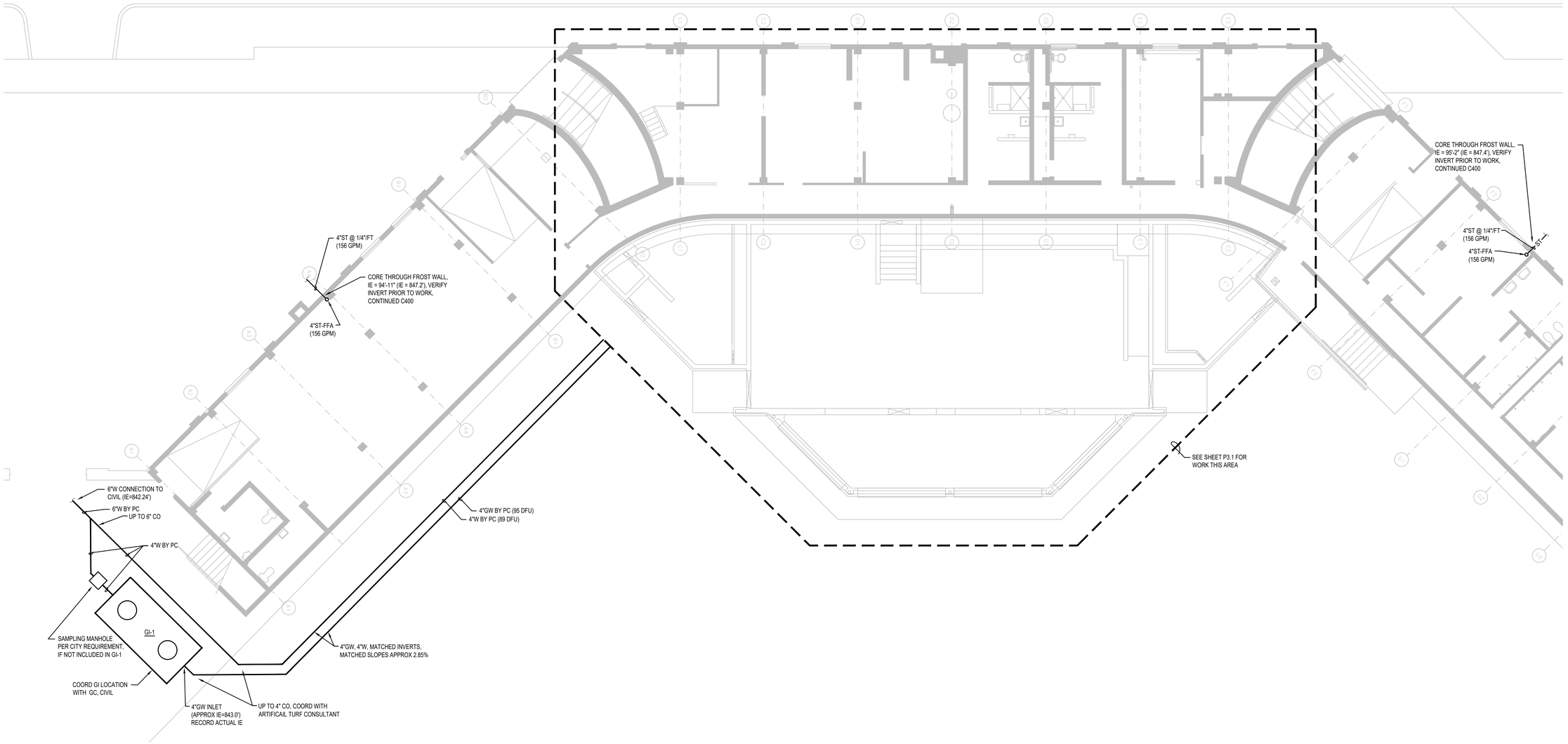
Scale: No Scale

Drawn By: HEI

Date: 07-13-2018

Sheet No:

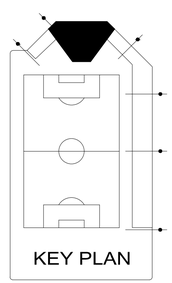
P0.1



1 UNDERSLAB FLOOR PLAN - PLUMBING

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

1'2" 0 1' 5' 10' 20'



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BREESE STEVENS FIELD

CONCESSIONS & RESTROOM BUILDING ADDITION

Project

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UNDERSLAB

FLOOR PLAN - PLUMBING

Scale: As Shown

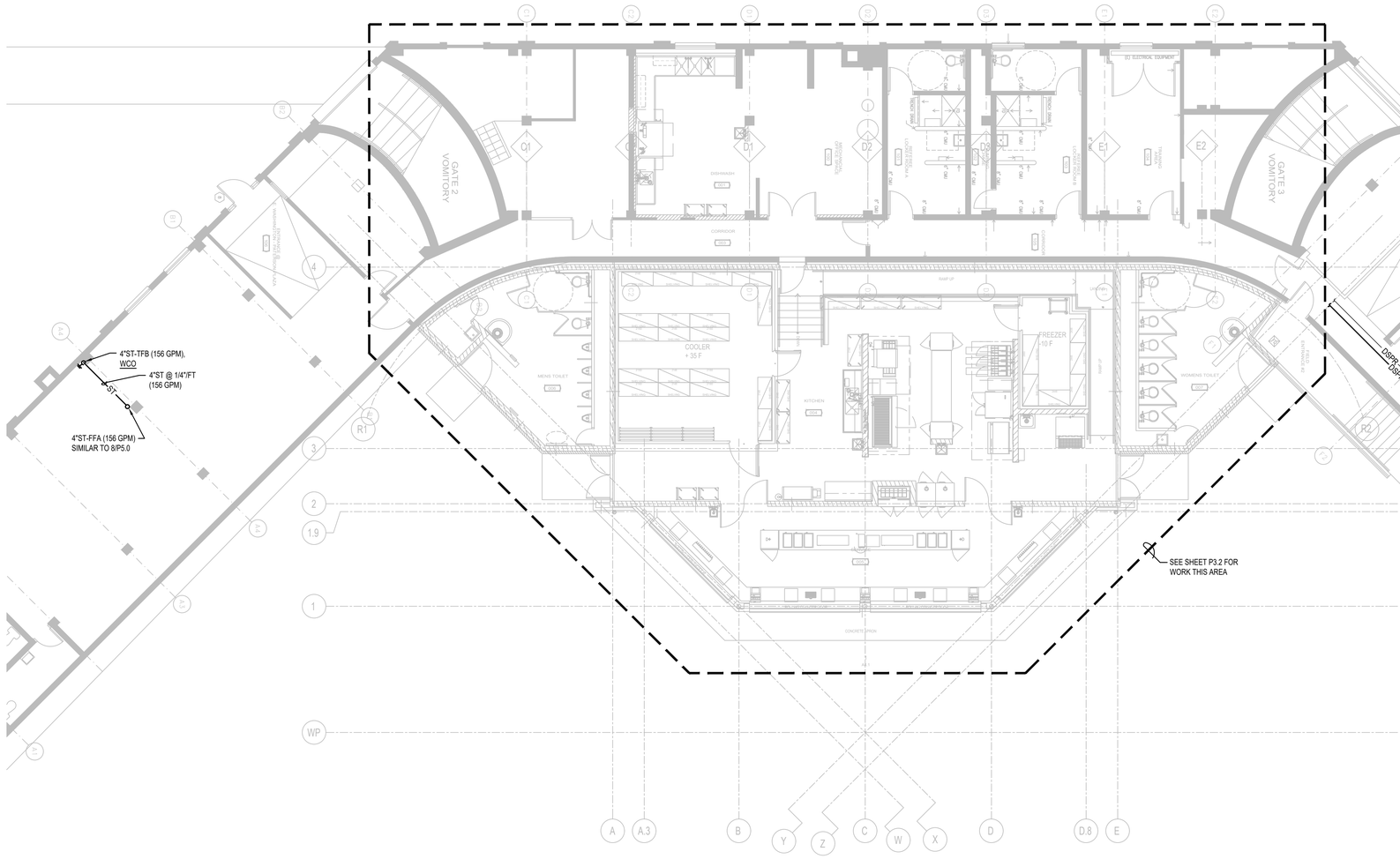
Drawn By: HEI

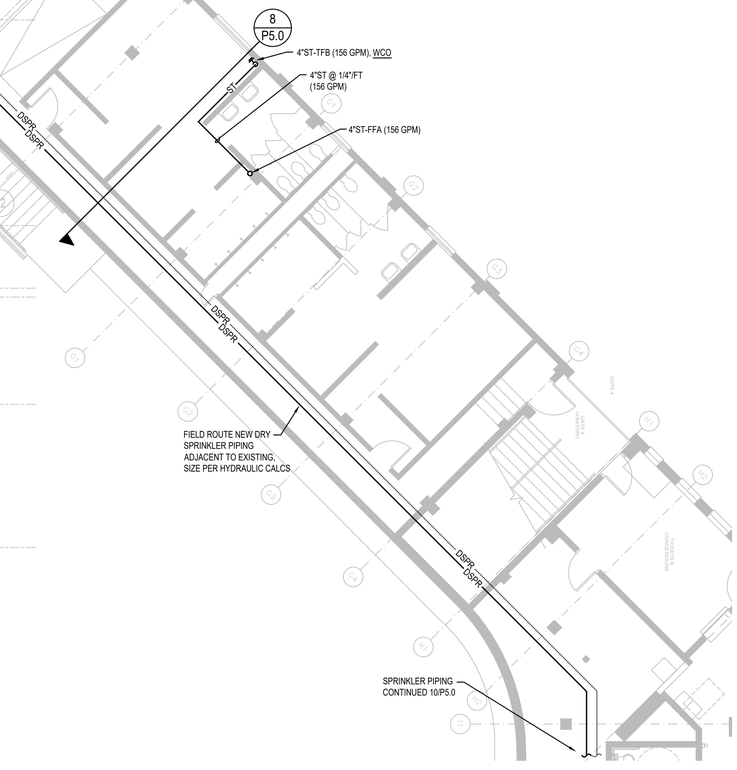
Date: 07-13-2018

Sheet No:

P2.0

NORTH PATERSON STREET

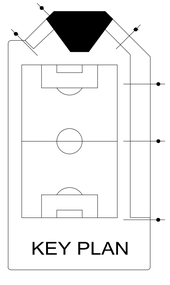




1 FIELD LEVEL FLOOR PLAN - PLUMBING

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

12" 0 1' 5' 10' 20'



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JOB NO. 17-8996A

BREESE STEVENS FIELD

CONCESSIONS & RESTROOM BUILDING ADDITION

Project

Proj. No.: 1617.02

FIELD LEVEL

FLOOR PLAN - PLUMBING

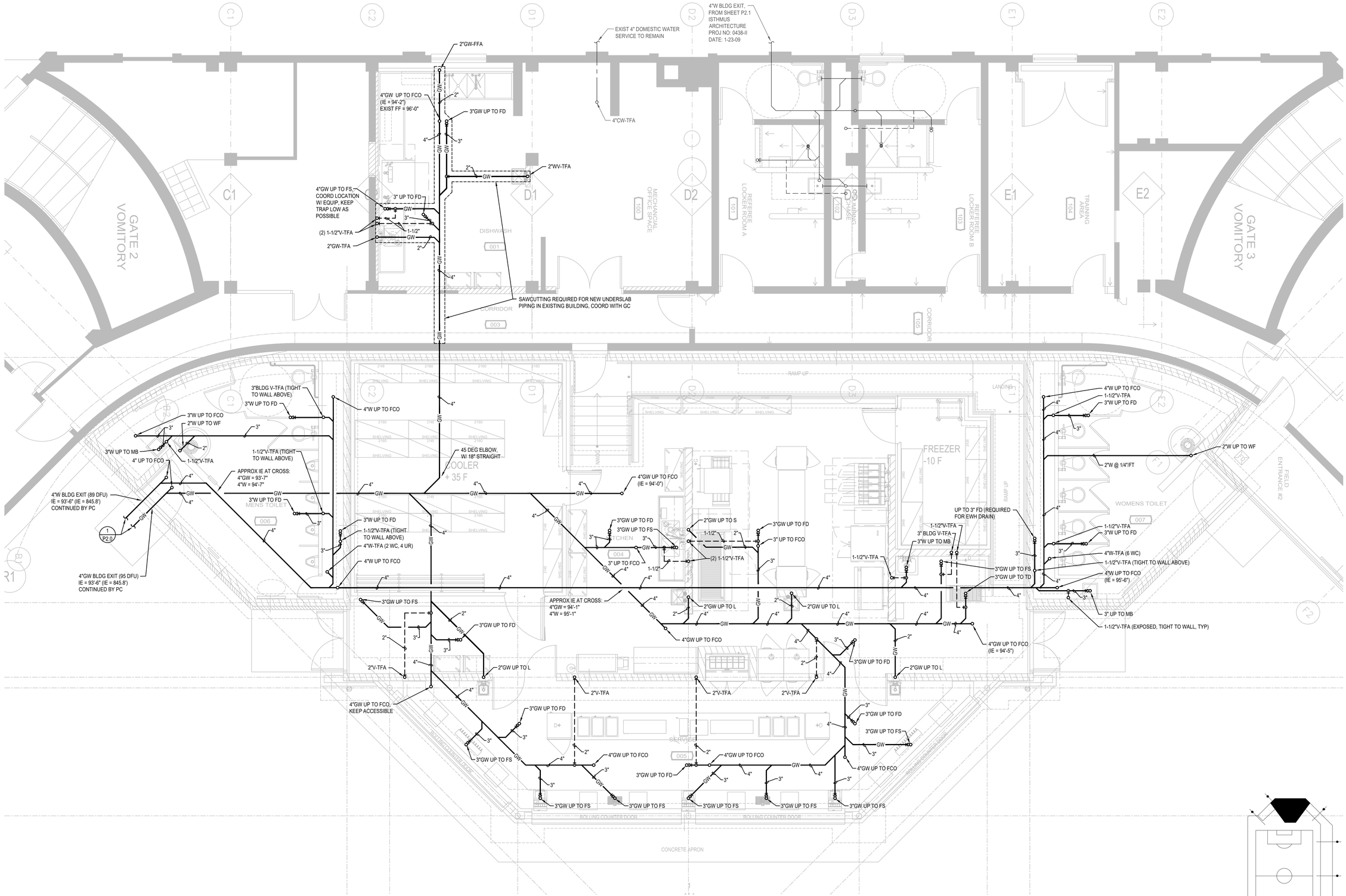
Scale: As Shown

Drawn By: HEI

Date: 07-13-2018

Sheet No:

P2.1



1 ENLARGED UNDERSLAB FLOOR PLAN - PLUMBING

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

12" 0 1' 5' 10'

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BREESE STEVENS FIELD

CONCESSIONS & RESTROOM BUILDING ADDITION

Project

Proj. No.: 1617.02

ENLARGED

UNDERSLAB FLOOR PLAN - PLUMBING

Scale: As Shown

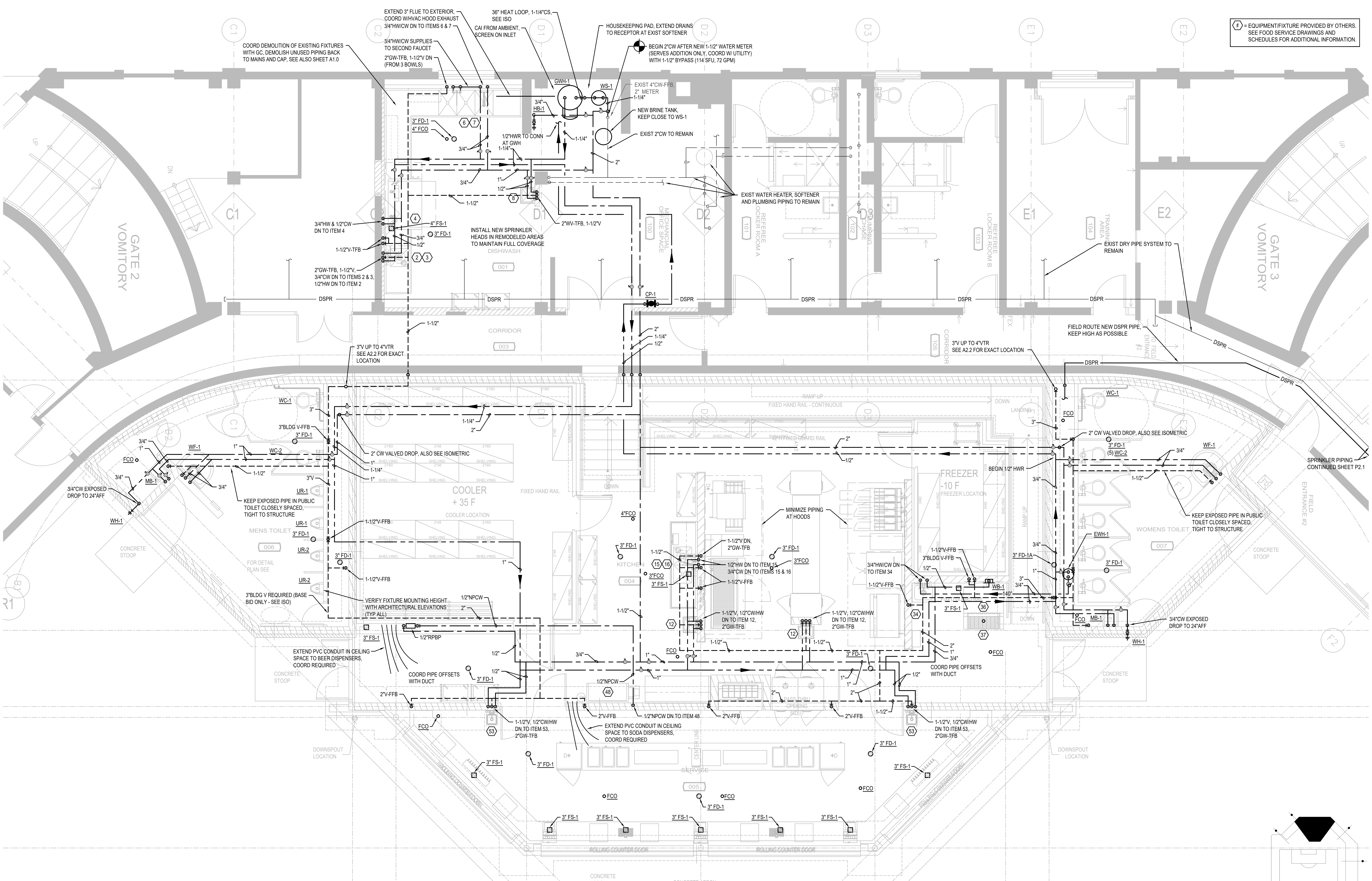
Drawn By: HEI

Date: 07-13-2018

Sheet No:

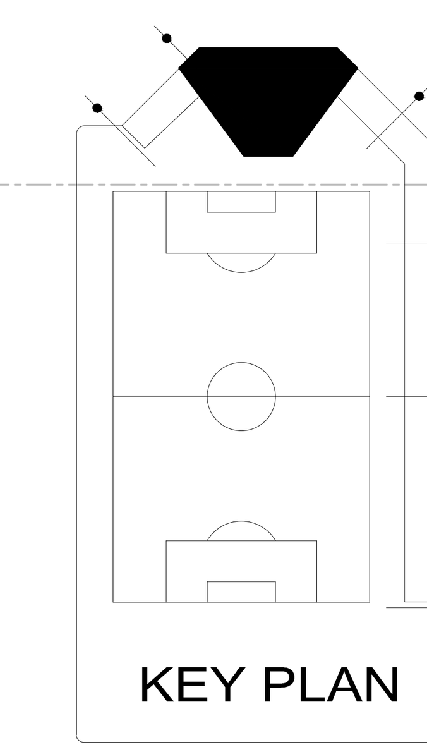
P3.1

(#) = EQUIPMENT/FIXTURE PROVIDED BY OTHERS. SEE FOOD SERVICE DRAWINGS AND SCHEDULES FOR ADDITIONAL INFORMATION.


EXTEND 3" FLUE TO EXTERIOR, COORD W/HVAC HOOD EXHAUST
3/4"HW/CW DN TO ITEMS 6 & 7
3/4"HW/CW SUPPLIES TO SECOND FAUCET
2"GW-TFB, 1-1/2"V DN (FROM 3 BOWLS)
36" HEAT LOOP, 1-1/4"CS, SEE ISO
CAI FROM AMBIENT, SCREEN ON INLET
HOUSEKEEPING PAD, EXTEND DRAINS TO RECEPTOR AT EXIST SOFTENER
BEGIN 2"CW AFTER NEW 1-1/2" WATER METER (SERVES ADDITION ONLY, COORD W/ UTILITY) WITH 1-1/2" BYPASS (114 SFU, 72 GPM)
COORD DEMOLITION OF EXISTING FIXTURES WITH GC, DEMOLISH UNUSED PIPING BACK TO MAINS AND CAP, SEE ALSO SHEET A1.0
EXIST 4"CW-FFB, 2" METER
NEW BRINE TANK, KEEP CLOSE TO WS-1
EXIST 2"CW TO REMAIN
1/2"HWR TO CONN AT GWH
EXIST WATER HEATER, SOFTENER AND PLUMBING PIPING TO REMAIN
INSTALL NEW SPRINKLER HEADS IN REMODELED AREAS TO MAINTAIN FULL COVERAGE
3/4"HW & 1/2"CW DN TO ITEM 4
2"GW-TFB, 1-1/2"V, 3/4"CW DN TO ITEMS 2 & 3, 1/2"HW DN TO ITEM 2
2"WV-TFB, 1-1/2"V
EXIST DRY PIPE SYSTEM TO REMAIN
GATE 2 VOMITORY
GATE 3 VOMITORY
DISHWASH
MECHANICAL OFFICE SPACE
REFEREE LOCKER ROOM A
REFEREE LOCKER ROOM B
TRAINING AREA
CORRIDOR
3"V UP TO 4"VTR SEE A2.2 FOR EXACT LOCATION
FIELD ROUTE NEW DSPR PIPE, KEEP HIGH AS POSSIBLE
2" CW VALVED DROP, ALSO SEE ISOMETRIC
SPRINKLER PIPING CONTINUED SHEET P2.1
COOLER + 35 F
FREEZER -10 F
BEGIN 1/2" HWR
MINIMIZE PIPING AT HOODS
KEEP EXPOSED PIPE IN PUBLIC TOILET CLOSELY SPACED, TIGHT TO STRUCTURE
3/4"CW EXPOSED DROP TO 24"AFF
MENS TOILET
WOMENS TOILET
KITCHEN
VERIFY FIXTURE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS (TYP ALL)
3"BLDG V REQUIRED (BASE BID ONLY - SEE ISO)
EXTEND PVC CONDUIT IN CEILING SPACE TO BEER DISPENSERS, COORD REQUIRED
COORD PIPE OFFSETS WITH DUCT
1-1/2"V, 1/2"CW/HW DN TO ITEM 53, 2"GW-TFB
1-1/2"V, 1/2"CW/HW DN TO ITEM 12, 2"GW-TFB
1/2"NPCW DN TO ITEM 48
EXTEND PVC CONDUIT IN CEILING SPACE TO SODA DISPENSERS, COORD REQUIRED
SERVICE
CONCRETE STOOP
DOWNSPOUT LOCATION
ROLLING COUNTER DOOR
CONCRETE APRON

1 ENLARGED FIELD LEVEL FLOOR PLAN - PLUMBING

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



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JOB NO. 17-8996A

BREESE STEVENS FIELD

CONCESSIONS & RESTROOM BUILDING ADDITION

Project

Proj. No.: 1617.02

ENLARGED

FIELD LEVEL FLOOR PLAN - PLUMBING

Scale: As Shown

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Date: 07-13-2018

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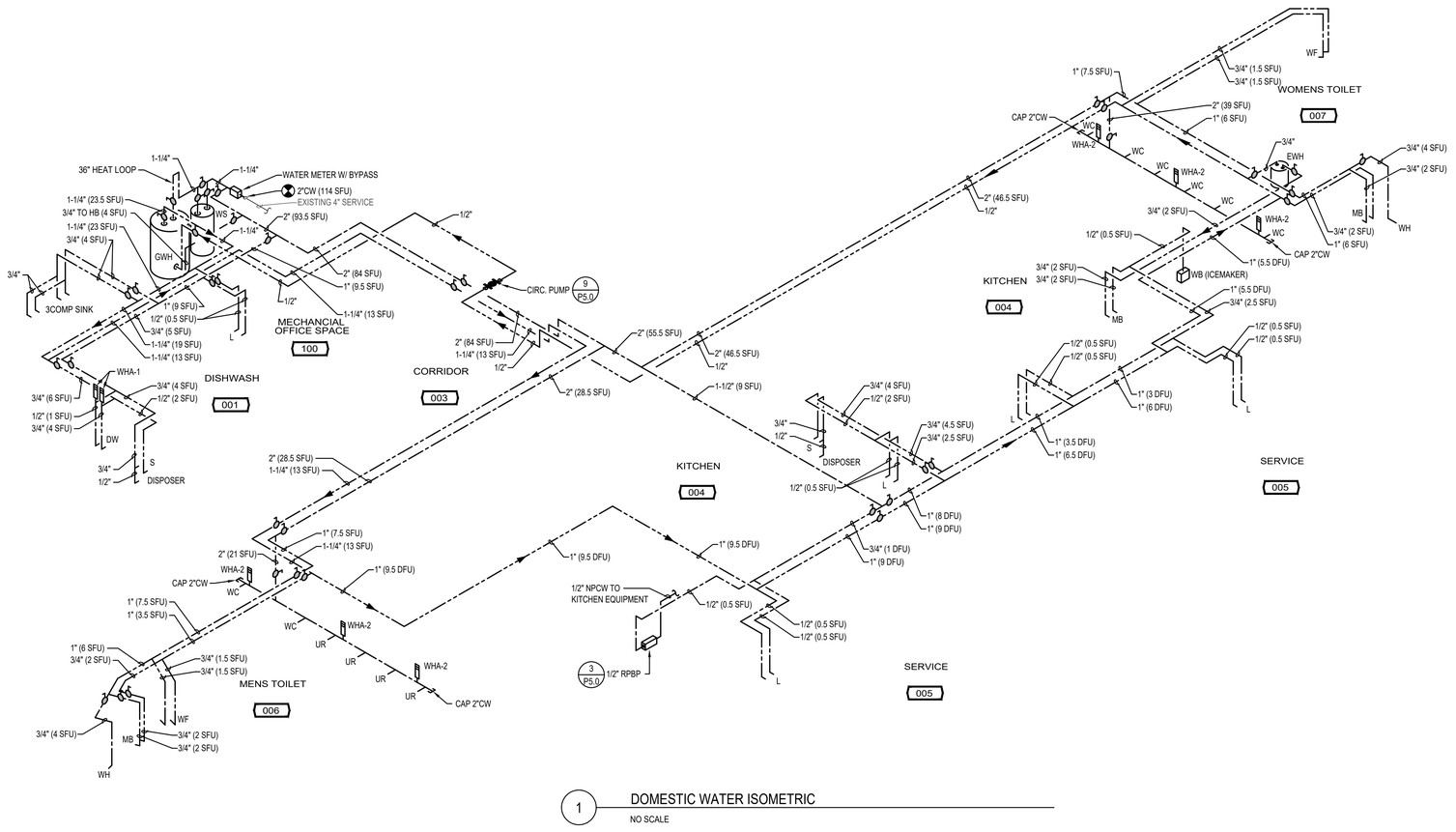
P3.2



1 DOMESTIC WATER ISOMETRIC

NO SCALE

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DOMESTIC WATER ISOMETRIC

Scale: No Scale

Drawn By: HEI

Date: 07-13-2018

Sheet No:

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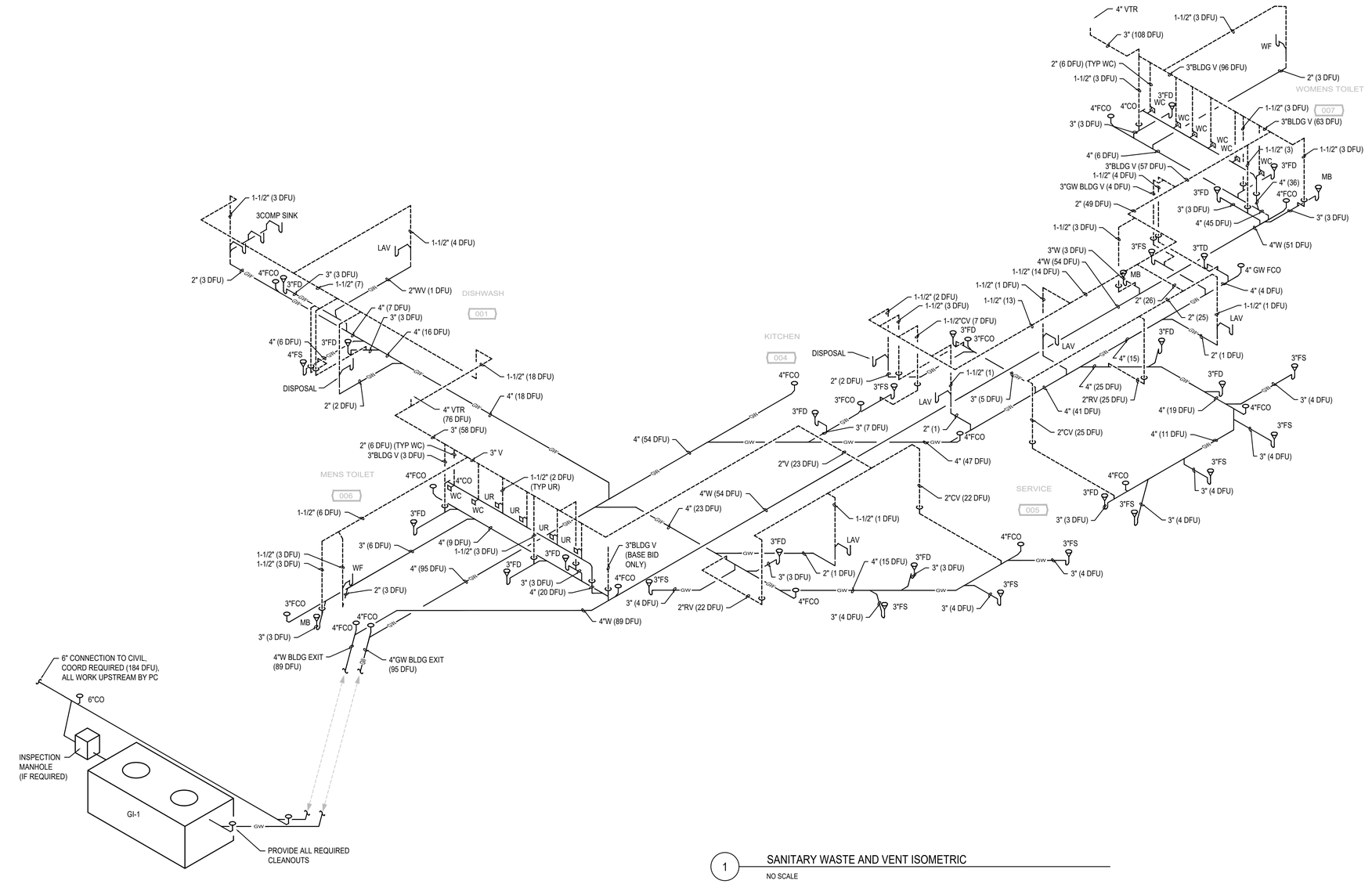

1 SANITARY WASTE AND VENT ISOMETRIC

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SANITARY WASTE AND VENT ISOMETRIC

Scale: No Scale

Drawn By: HEI

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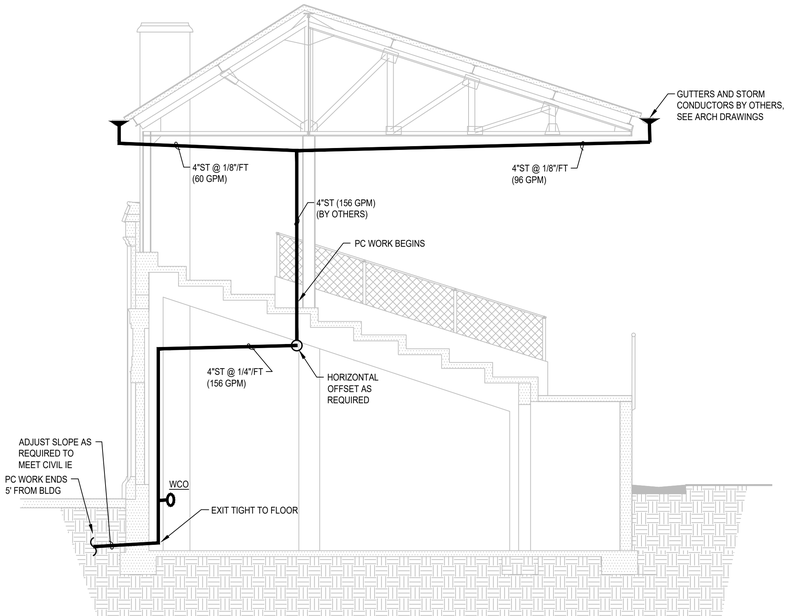
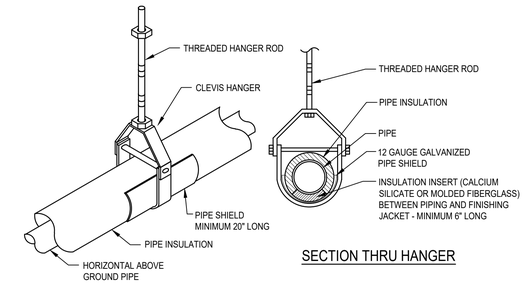
P4.2



8 SECTION THROUGH EXISTING CANOPY AND GRANDSTAND

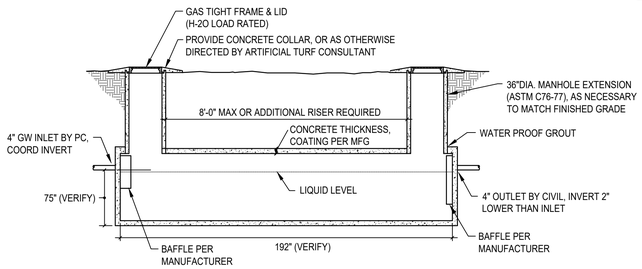
NO SCALE



SECTION THRU HANGER

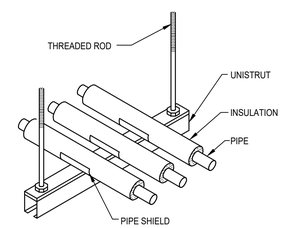
1 INSULATED PIPE SUPPORT

NO SCALE



5 EXTERIOR GREASE INTERCEPTOR (GI-1)

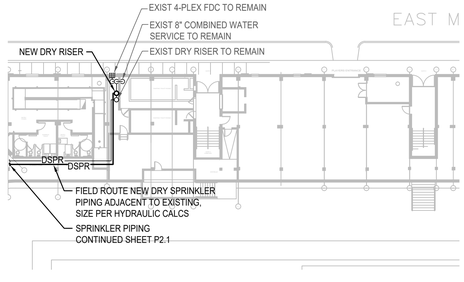
NO SCALE



2 TRAPEZE PIPE SUPPORT

NO SCALE

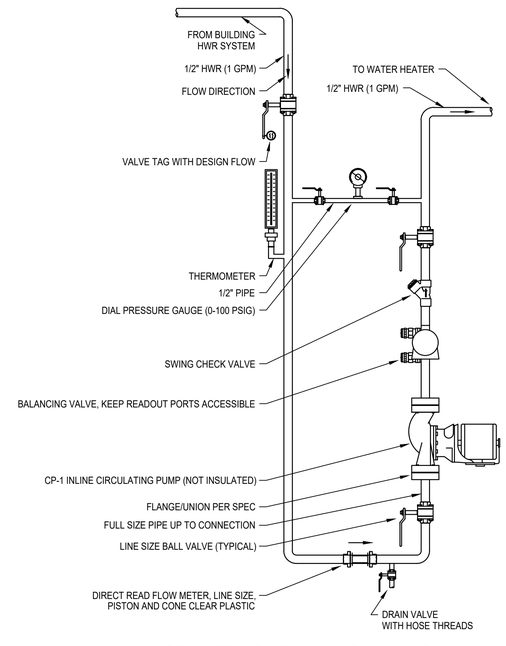
NOTE: INSULATION SHALL BE CONTINUOUS



10 PLUMBING OVERALL PLAN

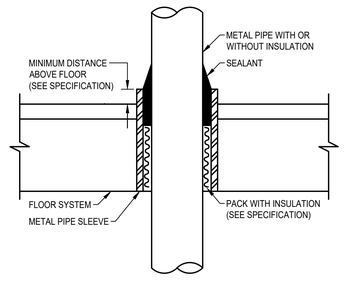
SCALE: 1" = 30'-0"

0 10' 20' 30' 50' 100'



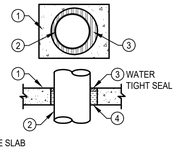
9 HOT WATER CIRCULATING PUMP (CP-1)

NO SCALE



6 SLEEVE THROUGH FLOOR

NO SCALE



② PENETRANT	MAXIMUM PIPE DIAMETER (IN.)	ANNULUS (IN.) MIN.	MAX.
STEEL PIPE	10	5/8	2-3/4
STEEL	6	5/8	3-1/4
CONDUIT EMT	4	5/8	3-1/4
IRON PIPE	2	5/8	2-3/4
COPPER PIPE / TUBING	2	5/8	3-1/4

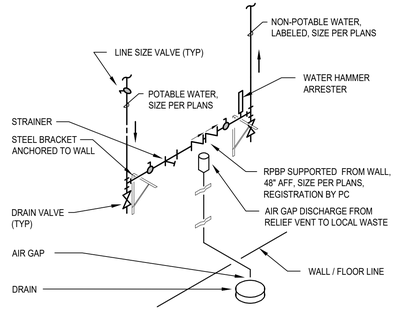
③ SPECSEAL PEN100 SILICONE SEALANT INSTALLED TO 1/2" DEPTH.

④ MINERAL WOOL BATT. NOMINAL 8 PCF. INSTALLED TO 4" DEPTH.

NOTE:
SYSTEMS OF OTHER MANUFACTURERS LISTED IN SPECIFICATION MAY BE USED WHEN MEETING THAT MANUFACTURER'S REQUIREMENTS TO OBTAIN 3 HOUR RATING AND WATER TIGHT SEAL REQUIREMENT.

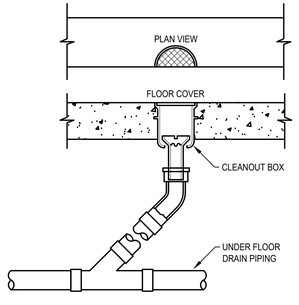
7 CONCRETE FLOOR PENETRATION

NO SCALE



3 REDUCED PRESSURE BACKFLOW PREVENTER (RPBP)

NO SCALE



4 INTERIOR FLOOR CLEANOUT DETAIL

NO SCALE

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GAS-FIRED WATER HEATER SCHEDULE

TAG NO.	LOCATION	MANUFACTURER / MODEL NO.	STORAGE CAPACITY (GAL)	INPUT (MBH)	OUTPUT AT 100°F RISE		NATURAL GAS CONNECTION	VENTING CONNECTIONS	WATER CONNECTIONS	ELECTRICAL DATA			REMARKS
					GPM	GPH				VOLTS	HZ	PHASE	
GWH-1	MECH 100 (EXIST)	HTP, INC PHOENIX 199-119	119	199	4.0	237	3/4"	3" INTAKE 3" EXHAUST	1-1/2" COLD 1-1/2" HOT	120	60	1	HIGH EFFICIENCY CONDENSING, STAINLESS STEEL TANK, 5:1 TURNDOWN, CPVC FLUE VENTING, COPPER/NICKEL HEAT EXCHANGER, DIGITAL CONTROLS, MULTI-FIT TOP CONNECTIONS. COMBUSTION AIR FROM AMBIENT PER MANUFACTURER, INCLUDE CONDENSATE NEUTRALIZER. HOUSEKEEPING PAD. SET OUTLET TEMP TO 120 DEG F. QUANTITY 1.

ELECTRIC WATER HEATER SCHEDULE

TAG NO.	LOCATION	MANUFACTURER / MODEL NO.	STORAGE CAPACITY (GAL)	INPUT (kW)	OUTPUT AT 40°F RISE		NUMBER OF ELEMENTS	EACH ELEMENT (kW)	WATER CONNECTIONS	ELECTRICAL DATA			REMARKS
					GPM	GPH				VOLTS	HZ	PHASE	
EWH-1	WOMEN'S RESTROOM CHASE	A.O. SMITH DEL-10	10	3	-	30	1	3	3/4"	208	60	1	GLASS LINED TANK, ZINC PLATED HEATING ELEMENT, MEDIUM WATT DENSITY FOR LOWER SURFACE TEMPERATURE, ANODE ROD, T & P VALVE, INLET/OUTLET SHUT-OFF VALVES, FLEX CONNECTORS, ONE UNIT. SET OUTLET TEMP TO 140 DEG F, BOOSTS HOT WATER TEMPERATURE TO KITCHEN MOP BASIN ONLY.

WATER SOFTENER SCHEDULE

TAG NO.	LOCATION	MANUFACTURER / MODEL NO.	SERVES	CONTINUOUS FLOW GPM @ 10 PSI DROP (EACH TANK)	PEAK FLOW GPM @ 15 PSI DROP (EACH TANK)	GALLONS PER REGEN	GRAINS CAPACITY (EACH TANK)			FACE PIPING SIZE	BRINE TANK (QUANTITY & SIZE)	SALT CAPACITY (EACH)	RESIN TANK (QUANTITY & SIZE)	RESIN CAPACITY (EACH)	REMARKS
							HIGH DOSAGE	MED DOSAGE	EFFICIENT DOSAGE						
WS-1	MECH 100 (EXIST)	HELLENBRAND H125HE-16	CONCESSIONS HOT WATER	15.1	18.8	108	- - -	104,000 @ 5200 GRAINS/LB	89,000 @ 5400 GRAINS/LB	1-1/4"	1 @ 18" DIA X 40"	400 LBS	1 @ 16" DIA X 65"	- - -	3-VALVE BYPASS, 120V, INLET AND OUTLET PRESSURE GAUGES, FLEXIBLE STAINLESS STEEL CONNECTORS. SET AT HIGH EFFICIENT SALT DOSAGE, DELAYED REGENERATION SET FOR 2 A.M., HOUSEKEEPING PAD.

PLUMBING PUMP SCHEDULE

TAG NO.	LOCATION	MANUFACTURER / MODEL NO.	SERVES	GPM	SUCTION / DISCHARGE	HEAD (FT OF WATER)		FLUID TEMP	MOTOR DATA				REMARKS
						OPERATING	CUT-OFF		HP	RPM	VOLTS	PHASE	
CP-1	MECH 100 (EXIST)	BELL & GOSSETT NBF-9U	DOMESTIC HOT WATER RECIRCULATING	1	1/2"	8	9	120°F	41 WATTS	2800	115	1	INLINE WET ROTOR, SYSTEM LUBRICATED, LEAD FREE BRONZE BODY, UNION CONNECTIONS. INCLUDE B&G AQUASTAT AQS-1/2 WITH TIMECLOCK CONTROL.

EXTERIOR GREASE INTERCEPTOR SCHEDULE

TAG NO.	LOCATION	MANUFACTURER / MODEL NO.	INSTALLATION TYPE	CONNECTION SIZES	MINIMUM CAPACITY	DIMENSIONS (APPROX)	REMARKS
GI-1	WEST OF CONCESSIONS	WEISER WEHD7000GI	FULLY RECESSED, ANCHOR FLANGE	4"	6300 GALLON	192" x 120" x 83" DEEP	SINGLE COMPARTMENT, ASTM C-1227, 5000 PSI CONCRETE, BOLTED AND SEALED MANHOLES EXTENDED TO GRADE, WISC COMPLIANT, SAMPLING MANHOLE PER LOCAL AUTHORITY.

WATER HAMMER ARRESTOR SCHEDULE

TAG NO.	CONNECTION SIZE	ARRESTOR SIZE (PDI)	FIXTURE UNITS	REMARKS
WHA-1	1/2"	A	1-11	-
WHA-2	3/4"	B	12-32	-
WHA-3	1"	C	33-60	-
WHA-4	1"	D	61-113	-

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SCHEDULES

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GENERAL DEMOLITION & NEW WORK NOTES:

1. IT IS MANDATORY THAT THE EXISTING BUILDING REMAIN IN CONTINUOUS & NON-INTERRUPTED OPERATION DURING REMODELING/ALTERING OF THE EXISTING BUILDING. SERVICES TO EXISTING BUILDING SHALL BE KEPT ON CONTINUOUS OPERATION INCLUDING DOMESTIC WATER, SANITARY, STORM, STEAM, HEATING, HOT WATER, HVAC SUPPLY, RETURN & EXHAUST, ETC. ANY ABSOLUTELY NECESSARY INTERRUPTION OF THESE SERVICES TO ACCOMPLISH PROJECT CONSTRUCTION SHALL BE ARRANGED WITH THE OWNER THROUGH THE GENERAL CONTRACTOR, A MINIMUM OF TWO (2) WEEKS IN ADVANCE. TEMPORARY SERVICES SHALL BE FURNISHED AND INSTALLED WHERE NECESSARY TO ACCOMPLISH THIS PURPOSE. TEMPORARIES SHALL BE REMOVED ONLY AFTER NEW PERMANENT SERVICES ARE INSTALLED AND FULLY OPERATIONAL.

2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN DEMOLITION, REMOVAL, CAPPING, STORING, ABANDONING, DISCONNECTING, RELOCATING AND RECONNECTION OF EXISTING EQUIPMENT AND MATERIAL. ALL CUTTING, PATCHING, REPAIRING, REPLACEMENT AND REFINISHING SHALL MATCH THE EXISTING CONSTRUCTION AS NEARLY AS POSSIBLE.

3. EXCEPT WHERE OTHERWISE SHOWN OR NOTED ON DRAWING - "TO BE RETAINED, RELOCATED" OR HEREINAFTER NOTED, ALL EXISTING EQUIPMENT AND MATERIAL IN AREAS TO BE REMODELED/ALTERED SHALL BE REMOVED WHERE THEY INTERFERE WITH PROPOSED NEW CONSTRUCTION &/OR INTERFERE W/PROPOSED USAGE OF SPACE BY OWNER AS FOLLOWS:

   (A) REMOVE ANY PIPES PROTRUDING ABOVE FINISHED FLOOR OR THROUGH WALL AND CAP AND FINISH OVER WITH MATERIAL TO MATCH EXISTING.

   (B) REMOVE ALL FIXTURES, CARRIERS, SUPPLY & WASTE & VENT PIPING, STEAM, HEATING HOT WATER, HVAC SUPPLY, RETURN & EXHAUST AS NOTED. CAP AT NEAREST ACTIVE MAIN. SUPPLY & RETURN MAINS TO BE VALVED & CAPPED.

   (C) IN REMODELED/ALTERED AREAS ANY PIPING OR DUCTWORK PASSING THROUGH THE REMODELED AREAS TO SERVE (OR BEING SERVED FROM EXISTING ADJACENT, REMOTE, OR SURROUNDING AREA THAT ARE TO REMAIN) SHALL BE RETAINED AND KEPT OPERATIONAL AND SHALL BE REROUTED IN ALL CASES WHERE THEY INTERFERE WITH ANY NEW WORK OR USAGE TO BE ACCOMPLISHED IN THE REMODELED AREA.

   (D) PENETRATIONS THROUGH EXISTING WALLS AND FLOORS FORMERLY OCCUPIED BY REMOVED PIPING SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION.

4. THIS CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS TO FAMILIARIZE HIMSELF WITH EXTENT OF ALTERATION/REMODELING WORK AND MORE SPECIFICALLY NOTE WHERE NEW PARTITIONING IS BEING INSTALLED, WHERE EXISTING PARTITIONING IS BEING REMOVED, WHERE CEILINGS ARE BEING REMOVED AND OR REPLACED, ETC.

5. SEE SPECIFICATIONS & ARCHITECTURAL SHEETS FOR CONSTRUCTION PHASING REQUIREMENTS. DURING EACH PHASE, AS MUCH WORK AS POSSIBLE MUST BE PERFORMED WITHIN THE BOUNDARIES OF THAT PHASE.

6. THESE DRAWINGS ARE NECESSARILY DIAGRAMMATIC IN NATURE. NOT ALL FITTINGS, OFFSETS, VENTS, OR DRAINS ARE SHOWN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND INCLUDE ALL FITTINGS, OFFSETS, VENTS, AND DRAINS AS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.

7. THE ARCHITECT/ENGINEER RESERVES THE RIGHT TO CHANGE THE LOCATION OF ALL EQUIPMENT, DUCTWORK, PIPING AND CONDUIT FIVE FEET IN ANY DIRECTION WITHOUT THESE CHANGES BEING MADE THE SUBJECT OF AN EXTRA CHARGE PROVIDED SUCH CHANGES ARE MADE BEFORE FINAL INSTALLATION.

8. BEFORE REMOVING EQUIPMENT DESIGNED TO BE RE-USED, THIS CONTRACTOR SHALL WALK THE AREA OF WORK ACCOMPANIED BY THE OWNER AND A/E TO PHOTOGRAPHICALLY DOCUMENT THE PHYSICAL CONDITIONS OF THE EQUIPMENT. NOTE ANY EXISTING DAMAGE OR DEFICIENCIES PRIOR TO REMOVAL AND OBTAIN SIGNED ACCORDANCE WITH THE ASSESSMENT.

9. BEFORE REMOVING EQUIPMENT DESIGNED TO BE RE-USED, THIS CONTRACTOR SHALL VERIFY PROPER OPERATION IN BOTH HEATING AND COOLING MODE. NOTE ANY DEFICIENCIES PRIOR TO REMOVAL AND OBTAIN SIGNED ACCORDANCE OF ASSESSMENT.

10. UPON REMOVAL, EQUIPMENT DESIGNATED TO BE RE-USED SHALL BE STORED AND PROTECTED. BEFORE REINSTALLATION, CLEAN COILS AND COMB FINS. REPAIR ANY DAMAGE CAUSED BY REMOVAL AND RE-INSTALLATION.

MECHANICAL ABBREVIATIONS

ABBR	DESCRIPTION	ABBR	DESCRIPTION
A	AIR	GA	GAUGE
AAV	AUTOMATIC AIR VENT	GAL	GALLONS
AC	AIR COMPRESSOR	G.C.	GENERAL CONTRACTOR
ACCU	AIR-COOLED CONDENSING UNIT	GPC	GENERAL PRIME CONTRACTOR
AD	AIR DRYER / ACCESS DOOR	GPH	GALLONS PER HOUR
ADD	ADDITIONAL	GPM	GALLONS PER MINUTE
ADJ	ADJUSTABLE	GPRV	GAS PRESSURE REDUCING VALVE
A/E	ARCHITECT / ENGINEER	HB	HOSE BIB
AF	AIRFOIL	HC	HEATING COIL
AFF	ABOVE FINISHED FLOOR	HD	HUB DRAIN
AFG	ABOVE FINISHED GRADE	HEPA	HIGH EFFICIENCY PARTICULATE AIR FILTER
AHU	AIR HANDLING UNIT	HP	HORSEPOWER
ALT	ALTERNATE	HR	HOUR
AP	ACCESS PANEL	HWP	HOT WATER PUMP
ARCH	ARCHITECT	HX	HEAT EXCHANGER
AS	AIR SEPARATOR	HZ	HERTZ
AUTO	AUTOMATIC AUTO	IA	INSTRUMENT AIR
AWC	ABSORPTION WATER CHILLER	IB	INVERTED BUCKET
B	BOILER	ID	INSIDE DIAMETER
BD	BLOWDOWN	IE	INVERT ELEVATION
BDS	BLOWDOWN SEPARATOR	IN	INCHES
BF	BLIND FLANGE / BOILER FEEDWATER	KVA	KILOVOLT AMPERE
BFP	BOILER FEED PUMP	KW	KILOWATT
BHP	BRAKE HORSEPOWER	KWH	KILOWATT-HOUR
BI	BACKWARD INCLINED	LAT	LEAVING AIR TEMPERATURE
BLDG	BUILDING	LBS#	POUNDS
BOD	BOTTOM OF DUCT ELEVATION	LWT	LEAVING WATER TEMPERATURE
BOP	BOTTOM OF PIPE ELEVATION	MAV	MIXED AIR MA MANUAL AIR VENT
BTU	BRITISH THERMAL UNIT	MAX	MAXIMUM
BTUH	BRITISH THERMAL UNITS PER HOUR	MBH	THOUSANDS OF BTU PER HOUR
°C	DEGREES CELSIUS	M.C.	MECHANICAL CONTRACTOR
C	CONVECTOR	MCA	MINIMUM CIRCUIT AMPS
CA	COMBUSTION AIR	MEP	MECHANICAL ELECTRICAL & PLUMBING
CAV	CONSTANT AIR VOLUME	MER	MECHANICAL EQUIPMENT ROOM
CBD	CONTINUOUS BLOWDOWN	MIN	MINIMUM
CC	COOLING COIL	MOCP	MAXIMUM OVERCURRENT PROTECTION
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALL	MUW	MAKE UP WATER
CFH	CUBIC FEET PER HOUR	NA	NOT APPLICABLE
CFP	CHEMICAL FEED PUMP	NC	NORMALLY CLOSED / NOISE CRITERIA
CFM	CUBIC FEET PER MINUTE	NG	NATURAL GAS
CH	CHILLER	NPS	NOMINAL PIPE SIZE
CHP	CHILLED WATER PUMP	NPSH	NET POSITIVE SUCTION HEAD
CL or ℄	CENTERLINE	NPSHA	NET POSITIVE SUCTION HEAD AVAILABLE
CLG	CEILING	NPSHR	NET POSITIVE SUCTION HEAD REQUIRED
COMB	COMBUSTION / COMBINATION	NPT	NATIONAL PIPE THREAD
COND	CONDENSATE / CONDENSER	NTS	NOT TO SCALE
CONN	CONNECTION / CONNECT	OA	OUTSIDE AIR
COP	CENTER OF PIPE	OC	ON CENTER
CP	CONDENSATE PUMP	OD	OUTSIDE DIAMETER
CT	COOLING TOWER	OED	OPEN END DUCT
CUH	CABINET UNIT HEATER	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CWP	CONDENSER WATER PUMP	OFOI	OWNER FURNISHED OWNER INSTALLED
DA	DEAERATOR	OV	OUTLET VELOCITY
DB	DRY BULB TEMPERATURE	PA	PLANT AIR
DC	DRY COOLER	P.C.	PLUMBING CONTRACTOR
DDC	DIRECT DIGITAL CONTROL	PCF	POUNDS PER CUBIC FOOT
DIA	DIAMETER	PD	PRESSURE DROP
DN	DOWN	PSI	POUNDS PER SQUARE INCH
DP	DIFFERENTIAL PRESSURE	PSIA	POUNDS PER SQUARE INCH ABSOLUTE
DSH	DESUPERHEATER	PSIG	POUNDS PER SQUARE INCH GAUGE
DWDI	DOUBLE WIDTH, DOUBLE INLET	PRDS	PRESSURE REDUCING DESUPERHEATING
DWG	DRAWING	PSID	POUNDS PER SQUARE INCH DIFFERENTIAL
DX	DIRECT EXPANSION	RA	RETURN AIR
EA	EXHAUST AIR / EACH	RF	RETURN FAN
EAT	ENTERING AIR TEMPERATURE	RH	RELATIVE HUMIDITY
E.C.	ELECTRICAL CONTRACTOR	RPM	REVOLUTIONS PER MINUTE
EF	EXHAUST FAN	RTU	ROOFTOP UNIT
EL	ELBOW	SA	SUPPLY AIR
EOM	END OF MAIN	SF	SUPPLY FAN
ERU	ENERGY RECOVERY UNIT	SOG	SLAB ON GRADE
ESP	EXTERNAL STATIC PRESSURE	SP	STATIC PRESSURE
ET	EXPANSION TANK	SRV	STEAM RELIEF VALVE
ETR	EXISTING TO REMAIN	ST	STEAM TRAP
EWT	ENTERING WATER TEMPERATURE	SWSI	SINGLE WIDTH, SINGLE INLET
EX / EXIST	EXISTING	T	TANK
EXH	EXHAUST	TBR	TO BE REMOVED
°F	DEGREES FAHRENHEIT	TCP	TEMPERATURE CONTROL PANEL
FA	FRESH AIR INTAKE / FIELD ADJUSTABLE	TOD	TOP OF DUCT ELEVATION
FAT	FINAL AIR TEMPERATURE	TOP	TOP OF PIPE ELEVATION
FC	FORWARD CURVED / FAIL CLOSED	TOS	TOP OF SLAB/TOP OF STEEL
FCU	FAN COIL UNIT	TSP	TOTAL STATIC PRESSURE
FD	FLOOR DRAIN	UH	UNIT HEATER
FO	FAIL OPEN	UV	UNIT VENTILATOR
FOP	FUEL OIL PUMP	VAV	VARIABLE AIR VOLUME
FOT	FUEL OIL TANK	VFD	VARIABLE FREQUENCY DRIVE
FP	FILTER PUMP	VP	VELOCITY PRESSURE
FLA	FULL LOAD AMPS	VTR	VENT THRU ROOF
FPI	FINS PER INCH	WB	WET BULB
FPM	FEET PER MINUTE	WC	WATER COLUMN
FPS	FEET PER SECOND	WF	WATER FILTER
FRV	FEED WATER RELIEF VALVE	WG	WATER GAUGE
F&T	FLOAT & THERMOSTATIC	WPD	WATER PRESSURE DROP
FT	FEET	XFMR	TRANSFORMER

NOTE:
THIS IS A COMPOSITE LIST OF ABBREVIATIONS, NOT ALL PERTAIN SPECIFICALLY TO THIS JOB.

HEATING/VENTILATING SYMBOL LIST

SYMBOL	DESCRIPTION	
A	COMPRESSED AIR PIPING	
D	DRAIN LINE	
HWS	HOT WATER SUPPLY	
HWR	HOT WATER RETURN	
NG	NATURAL GAS	
MU	MAKE UP WATER	
RL	REFRIGERANT LIQUID LINE	
RS	REFRIGERANT SUCTION LINE	
RD	REFRIGERANT DISCHARGE LINE	
	BUTTERFLY VALVE	
	GATE VALVE	
	CHECK VALVE	
	CALIBRATED BALANCE VALVE	
	AUTOMATIC TWO-WAY CONTROL VALVE (ELECTRIC)	
	AUTOMATIC THREE-WAY CONTROL VALVE (ELECTRIC)	
	AUTOMATIC TWO-WAY CONTROL VALVE (PNEUMATIC)	
	AUTOMATIC THREE-WAY CONTROL VALVE (PNEUMATIC)	
	GLOBE VALVE	
	BALL VALVE	
	RELIEF VALVE	
	PIPE ANCHOR	
	THERMOMETER	
	STEAM TRAP	
	PRESSURE GAUGE	
	MANUAL AIR VENT	
	ELBOW TURNED UP	
	ELBOW TURNED DOWN	
	TEE - TOP OUTLET	
	TEE - BOTTOM OUTLET	
	SCREWED UNION	
	FLANGED UNION	
	PRESSURE REDUCING VALVE	
	CONCENTRIC REDUCER	
	ECCENTRIC REDUCER	
	STRAINER	
	GAGE COCK	
	PIPE GUIDE	
	CAP OR PLUG FOR < 2"_ BLIND FLANGE FOR > 2"	
	VACUUM BREAKER	
	FLOW MEASURING DEVICE	
	SUPPLY OR OUTDOOR AIR DUCT	
	SUPPLY OR OUTDOOR DUCT (HIDDEN BEHIND ANOTHER DUCT)	
	RETURN AIR DUCT	
	RETURN AIR DUCT (HIDDEN BEHIND ANOTHER DUCT)	
	EXHAUST OR RELIEF AIR DUCT	
	EXHAUST OR RELIEF AIR DUCT (HIDDEN BEHIND ANOTHER DUCT)	
## / ## SA	SUPPLY	FIRST NUMBER IS SIDE SHOWN SECOND NUMBER IS SIDE NOT SHOWN SAME NOTATION FOR OA AND EA
## / ## RA	RETURN	
	TURNING VANES	
OR	MANUAL VOLUME DAMPER	
BD	BACKDRAFT DAMPER	
	MOTORIZED DAMPER	
	FLEXIBLE DUCT CONNECTION	
	FLEXIBLE DUCT	
	ACCESS DOOR	
T	THERMOSTAT (ELECTRIC)	
T	THERMOSTAT / TEMPERATURE SENSOR	
	NEW CONNECTION TO EXISTING BEGINNING/END POINT	
	EXISTING TO BE REMOVED	

NOTE:
THIS IS A COMPOSITE LIST OF SYMBOLS, NOT ALL PERTAIN SPECIFICALLY TO THIS JOB.

SHEET INDEX

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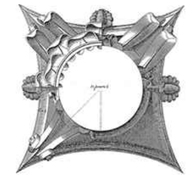

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JOB NO. 17-8996A

BREESE STEVENS FIELD

CONCESSIONS & RESTROOM BUILDING ADDITION

Project

Proj. No.: 1617.02

MECHANICAL

SYMBOLS, NOTES & ABBREVIATIONS

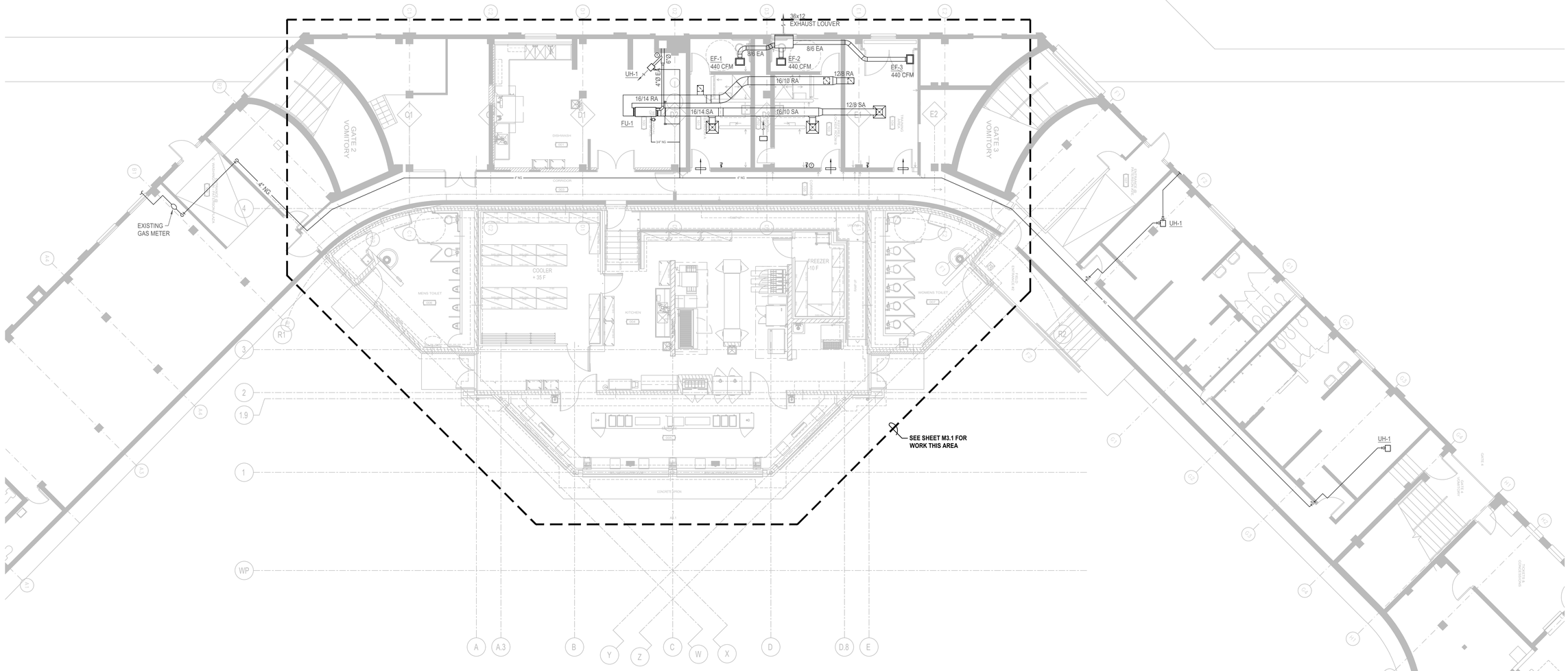
Scale: As Shown

Drawn By: HEI

Date: 07-13-2018

Sheet No:

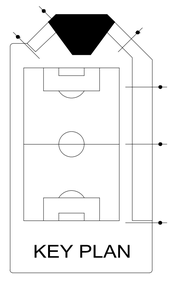
M0.1



1 FIELD LEVEL FLOOR PLAN - MECHANICAL

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

12" 0 1' 5' 10' 20'



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FIELD LEVEL

FLOOR PLAN - MECHANICAL

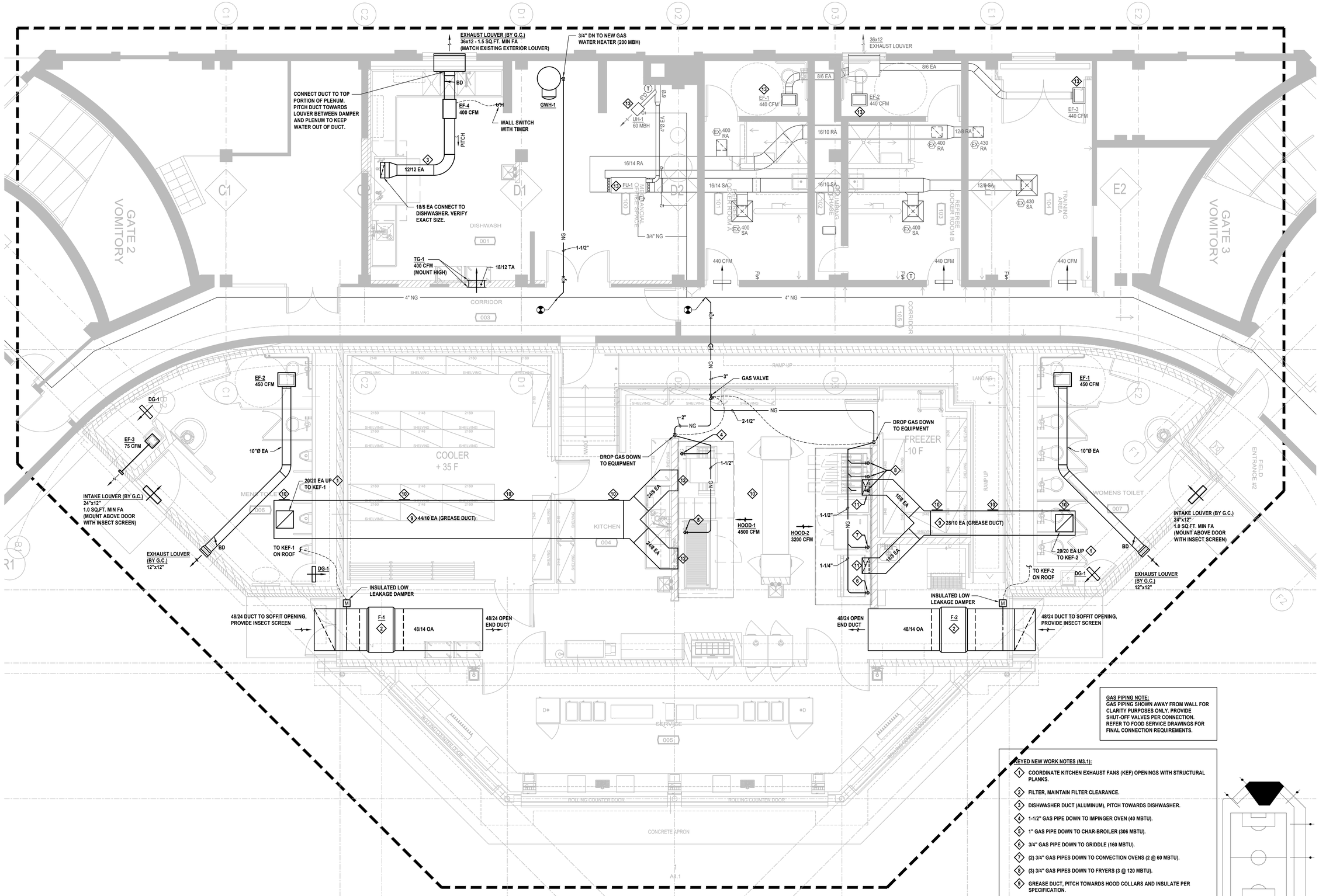
Scale: As Shown

Drawn By: HEI

Date: 07-13-2018

Sheet No:

M2.1



1 ENLARGED FIELD LEVEL FLOOR PLAN - MECHANICAL

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

12" 0 1' 5' 10'

GAS PIPING NOTE:
GAS PIPING SHOWN AWAY FROM WALL FOR CLARITY PURPOSES ONLY. PROVIDE SHUT-OFF VALVES PER CONNECTION. REFER TO FOOD SERVICE DRAWINGS FOR FINAL CONNECTION REQUIREMENTS.

KEYED NEW WORK NOTES (M3.1):

1. COORDINATE KITCHEN EXHAUST FANS (KEF) OPENINGS WITH STRUCTURAL PLANKS.
2. FILTER, MAINTAIN FILTER CLEARANCE.
3. DISHWASHER DUCT (ALUMINUM), PITCH TOWARDS DISHWASHER.
4. 1-1/2" GAS PIPE DOWN TO IMPINGER OVEN (40 MBTU).
5. 1" GAS PIPE DOWN TO CHAR-BROILER (306 MBTU).
6. 3/4" GAS PIPE DOWN TO GRIDDLE (160 MBTU).
7. (2) 3/4" GAS PIPES DOWN TO CONVECTION OVENS (2 @ 60 MBTU).
8. (3) 3/4" GAS PIPES DOWN TO FRYERS (3 @ 120 MBTU).
9. GREASE DUCT, PITCH TOWARDS HOOD COLLARS AND INSULATE PER SPECIFICATION.
10. PROVIDE GREASE DUCT CLEANOUTS AS REQUIRED.
11. 18"x8" CONNECTION TO HOOD, VERIFY EXACT SIZE.
12. 24"x8" CONNECTION TO HOOD, VERIFY EXACT SIZE.
13. EXISTING EQUIPMENT TO REMAIN.

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BREESE STEVENS FIELD

CONCESSIONS & RESTROOM BUILDING ADDITION

Project

Proj. No.: 1617.02

ENLARGED

FIELD LEVEL FLOOR PLAN
MECHANICAL

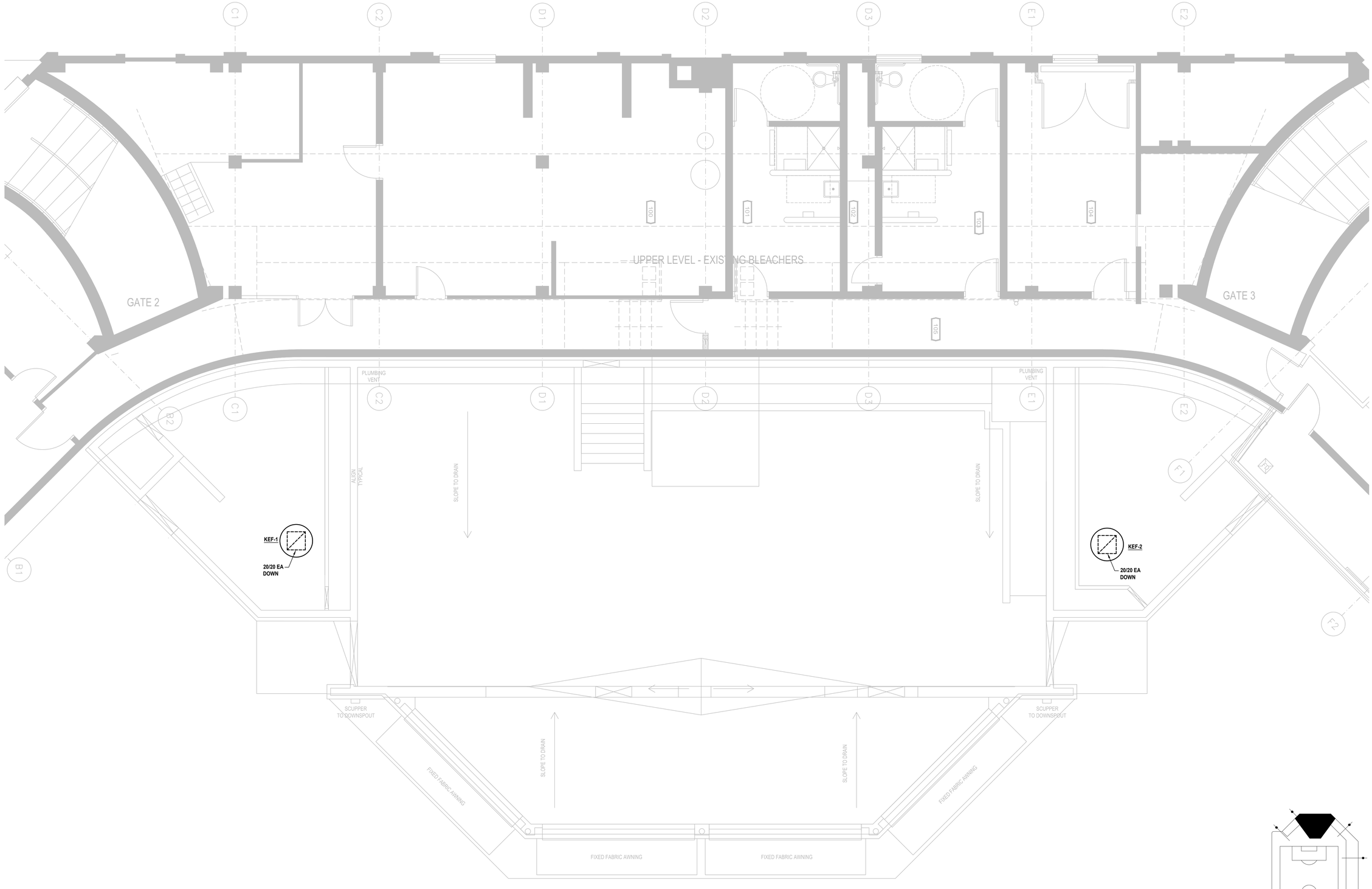
Scale: As Shown

Drawn By: HEI

Date: 07-13-2018

Sheet No:

M3.1



1 ENLARGED UPPER LEVEL FLOOR PLAN - MECHANICAL

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

12" 0 1' 5' 10'

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BREESE STEVENS FIELD

CONCESSIONS & RESTROOM BUILDING ADDITION

Project

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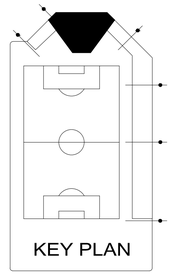
ENLARGED
UPPER LEVEL FLOOR PLAN
MECHANICAL

Scale:	As Shown
Drawn By:	HEI
Date:	07-13-2018



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GRILLE AND DIFFUSER SCHEDULE

MARK	DESCRIPTION	MAX CFM	NECK SIZE	FACE SIZE	MAX S.P. (WATER)	MAX NOISE LEVEL (NC)	THROW (FEET)	MATERIAL	FRAME	AIR PATTERN	REMARKS
TRANSFER GRILLE											
TG-1	SIDE WALL GRILLE, 3/4" SPACING	-	18" X 12"	18" X 12"	0.10	25	-	STEEL	SURFACE MOUNT	35° DEFLECTION	1,2
DOOR GRILLE											
DG-1	DOOR GRILLE, 3/4" SPACING	-	12" X 12"	12" X 12"	0.10	25	-	STEEL	SURFACE MOUNT	35° DEFLECTION	1,2

REMARKS:
1. SEE PLANS FOR LOCATION AND AIR QUANTITIES OF EACH DEVICE.
2. REFER TO SPECIFICATIONS FOR ACCEPTABLE MODELS AND ADDITIONAL REQUIREMENTS.

AIR FILTER SCHEDULE

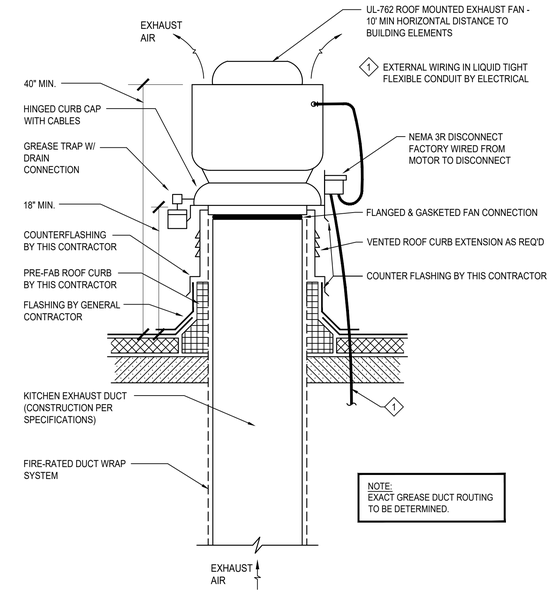
PLAN MARK	SERVICE	LOCATION	AIRFLOW (CFM)	HOUSING				FILTER			NOMINAL FILTER SIZES (IN.)				PRESSURE DROP		REMARKS
				TYPE	WIDTH (IN.)	HEIGHT (IN.)	LENGTH (IN.)	TYPE	TOTAL AREA (SQ. FT.)	MERV RATING	QUANTITY	WIDTH (IN.)	HEIGHT (IN.)	DEPTH (IN.)	CLEAN (IN. W.G.)	DIRTY (IN. W.G.)	
F-1, F-2	MAKE-UP AIR	CONCESSIONS	4500	V-BANK	48	28	28	1"	16	5	4	24	24	1	1.0	0.3	1

REMARKS:
1. PROVIDE FOR SIDE ACCESS REPLACEMENT.

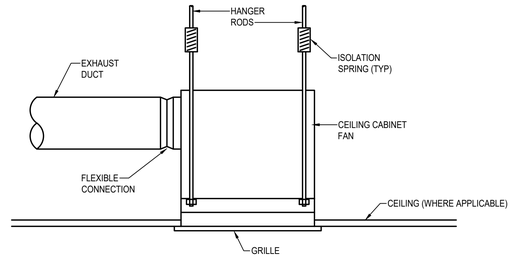
EXHAUST FAN SCHEDULE

PLAN MARK	SERVICE	LOCATION	AIRFLOW (CFM)	STATIC PRESS. (IN. W.G.)	FAN							DAMPER	MOTOR				REMARKS
					FAN TYPE	DRIVE TYPE	SPEED (RPM)	DISCHARGE	MOTOR LOCATION	WHEEL TYPE	WHEEL DIA. (IN.)		MOTOR LOAD (BHP)	MOTOR SIZE (HP)	VOLT.	PHASE	
KEF-1	HOOD-1	CONCESSIONS ROOF	4500	0.80	UPBLAST CENT.	BELT	1368	UPBLAST				NO	1.62	2	208	3	1
KEF-2	HOOD-2	CONCESSIONS ROOF	3200	0.65	UPBLAST CENT.	BELT	1065	UPBLAST				NO	0.78	1	208	3	2
EF-1	NEW WOMEN'S TOILET	NEW WOMEN'S TOILET	450	0.3	CABINET	DIRECT	910	-	-	FC		BD	-	285 WATTS	115	1	3
EF-2	NEW MEN'S TOILET	NEW MEN'S TOILET	450	0.3	CABINET	DIRECT	910	-	-	FC		BD	-	285 WATTS	115	1	3
EF-3	JAN CLOSET	JAN CLOSET	75	0.1	CEILING FAN	DIRECT	675	-	-	FC	8	BD	0.06	0.06	115	1	5
EF-4	DISHWASER	STORAGE ROOM	400	0.5	INLINE	DIRECT	1644					BD	0.08	1/10	115	1	4

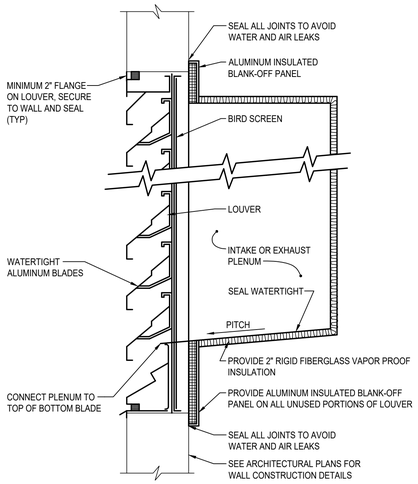
REMARKS:
1. BASED ON ACCUREX MODEL XRUB-180-20. MOUNT ON VENTED ROOF CURB. PROVIDE WITH FACTORY DISCONNECT.
2. BASED ON ACCUREX MODEL XRUB-180-10. MOUNT ON VENTED ROOF CURB. PROVIDE WITH FACTORY DISCONNECT.
3. INTERLOCKED WITH ROOM LIGHTING CONTROLS, CONTROLS PROVIDED BY DIV. 26. BASED ON GREENHECK MODEL SP-A710-VG. PROVIDE WITH BACKDRAFT DAMPER, BIRD SCREEN.
4. WALL SWITCH OPERATED, SWITCH PROVIDED BY DIV. 26. BASED ON GREENHECK MODEL SQ-90-VG. PROVIDE WITH BACKDRAFT DAMPER, BIRD SCREEN.
5. INTERLOCKED WITH ROOM LIGHTING CONTROLS, CONTROLS PROVIDED BY DIV. 26. PROVIDE WITH BACKDRAFT DAMPER, BIRD SCREEN AND WALL CAP.



1 ROOF EXHAUST FAN DETAIL (GREASE)
NO SCALE



2 CEILING CABINET FAN DETAIL
NO SCALE



4 LOUVER DETAIL
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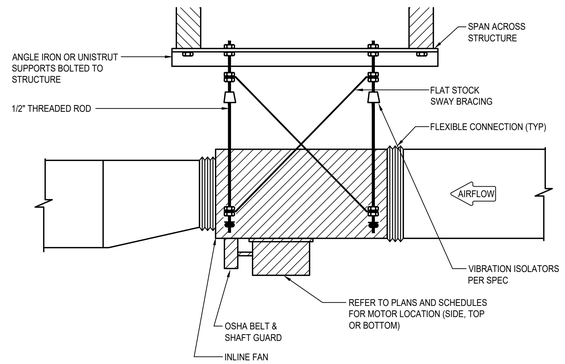

3 SUSPENDED INLINE FAN DETAIL
NO SCALE

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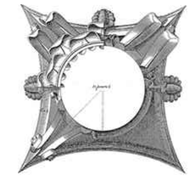

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BREESE STEVENS FIELD

CONCESSIONS & RESTROOM BUILDING ADDITION

Project
Proj. No.: 1617.02

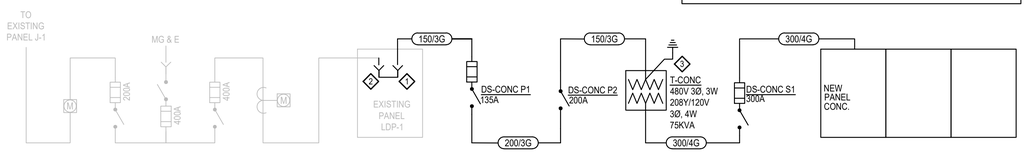
MECHANICAL
SCHEDULES & DETAILS

Scale: No Scale
Drawn By: HEI
Date: 07-13-2018

Sheet No:
M5.0

KEYED NEW WORK NOTES:

1. REPLACE EXISTING MAIN LUGS WITH NEW MAIN LUGS PLUS SUB-FEED LUG KIT. SQUARE D NF PANEL.
2. RECONNECT EXISTING WIRE TO NEW LUGS.
3. TO WATER MAIN IN ROOM LOCATION AS SHOWN ON PLANS.



1 ELECTRICAL ONE-LINE DIAGRAM

NO SCALE

COPPER FEEDER SCHEDULE					
MARK	FEEDER AMPS	PHASE CONDUCTORS	NEUTRAL CONDUCTORS	GROUND CONDUCTORS	SETS & SIZE CONDUIT
150/3G	150	3 #1/0	----	1 #6	(1) 1 1/2"
200/3G	200	3 #3/0	----	1 #6	(1) 2"
300/4G	300	3-350MCM	1-350MCM	1 #4	(1) 3"

ELECTRICAL ABBREVIATIONS

C	CONDUIT
EC	ELECTRICAL CONTRACTOR
EWC	ELECTRIC WATER COOLER
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GND, GRD	GROUND
HP	HORSEPOWER
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WP	WEATHERPROOF

GENERAL ELECTRICAL DEMOLITION REQUIREMENTS:

1.) IT IS MANDATORY THAT THE EXISTING BUILDING REMAIN IN CONTINUOUS AND NON-INTERRUPTED OPERATION DURING REMODELING/ALTERING. SERVICES TO EXISTING BUILDING SHALL BE KEPT ON CONTINUOUS OPERATION INCLUDING POWER, LIGHTING, TELEPHONE, FIRE ALARM, ETC. ANY ABSOLUTELY NECESSARY INTERRUPTION OF THESE SERVICES TO ACCOMPLISH PROJECT CONSTRUCTION, SHALL BE HELD TO A MINIMUM AND ARRANGED WITH THE OWNER THROUGH THE GENERAL CONTRACTOR TWO (2) WEEKS IN ADVANCE. TEMPORARY SERVICES SHALL BE FURNISHED AND INSTALLED WHERE NECESSARY TO ACCOMPLISH THIS PURPOSE. TEMPORARIES SHALL BE REMOVED ONLY AFTER NEW PERMANENT SERVICES ARE INSTALLED AND FULLY OPERATIONAL.

2.) ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN DEMOLITION, REMOVAL, CAPPING, STORING, ABANDONING, DISCONNECTING, RELOCATING AND RECONNECTION OF EXISTING ELECTRICAL EQUIPMENT AND MATERIAL. ALL CUTTING, PATCHING, REPAIRING, REPLACEMENT AND REFINISHING, SHALL MATCH THE EXISTING CONSTRUCTION AS NEARLY AS POSSIBLE.

3.) EXCEPT WHERE OTHERWISE SHOWN OR NOTED ON DRAWING - "TO BE RETAINED, RELOCATED" OR HEREINAFTER NOTED, ALL EXISTING ELECTRICAL EQUIPMENT AND MATERIAL IN AREAS TO BE REMODELED/ALTERED SHALL BE REMOVED WHERE THEY INTERFERE WITH PROPOSED NEW CONSTRUCTION AND/OR INTERFERE WITH PROPOSED USAGE OF SPACE BY OWNER AS FOLLOWS:

(A) REMOVE ANY CONDUITS PROTRUDING ABOVE FINISHED FLOOR, CAP AND FINISH OVER WITH FLOOR MATERIAL TO MATCH EXISTING.

(B) REMOVE ALL LIGHT FIXTURES, RECEPTACLES, SWITCHES, ETC. AND ASSOCIATED WIRING.

(C) REMOVE ALL SURFACE MOUNTED CONDUIT/BOXES AND THEIR ASSOCIATED WIRING. REMOVE ALL CONCEALED RACEWAYS, BOXES AND WIRING FROM PARTITIONS BEING DEMOLISHED.

(D) REMOVE ALL EXISTING WIRING/CABLING FROM ALL EXISTING CONCEALED RACEWAYS IN PARTITION THAT ARE TO REMAIN.

(E) ANY FEEDERS, CONDUITS, BRANCH CIRCUITS, SIGNAL AND TELEPHONE CIRCUITS, ETC. PASSING THROUGH THE REMODELED AREAS TO SERVE (OR BE SERVED FROM) EXISTING ADJACENT, REMOTE OR SURROUNDING AREAS THAT ARE TO REMAIN, SHALL BE RETAINED AND KEPT OPERATIONAL AND SHALL BE REROUTED IN ALL CASES WHERE THEY INTERFERE WITH ANY NEW WORK OR USAGE TO BE ACCOMPLISHED IN THE REMODELED AREA.

(F) WHERE DEVICES ARE OMITTED FROM PRESENT BRANCH CIRCUITS, THE REMAINING DEVICES SHALL BE REWIRED, IF NEEDED AND AS REQUIRED, TO REMAIN ON THEIR RESPECTIVE CIRCUITS AND IN OPERATING CONDITION.

4.) ELECTRICAL CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS TO FAMILIARIZE HIMSELF WITH EXTENT OF ALTERATION/REMODELING WORK AND MORE SPECIFICALLY NOTE WHERE NEW PARTITIONING IS BEING INSTALLED, WHERE EXISTING PARTITIONING IS BEING REMOVED, WHERE CEILINGS ARE BEING REMOVED AND OR REPLACED, ETC.

5.) ALL WIRING (POWER, LIGHTING) NOT REUSED FOR REMODELING AREAS SHALL BE COMPLETELY REMOVED BACK TO ASSOCIATED PANELS. EMPTY BOXES AND CONDUITS SHALL BE REMOVED BEYOND REMODELED AREA (ABOVE CEILING).

6.) THE OWNER SHALL HAVE THE FIRST CHOICE TO ACCEPT EXISTING DEVICES BEING REMOVED.

GENERAL NOTES:

1.) ALL BRANCH CIRCUITS SHALL HAVE GROUND CONDUCTORS.

2.) THE ELECTRICAL CONTRACTOR SHALL PROVIDE, IF REQUIRED, ADJUSTMENTS (±) 6'-0" IN THE LOCATION OF ALL SYSTEM DEVICES, FIXTURES, OUTLETS, PANELS, ETC. IN ORDER TO EXPEDITE THE ELECTRICAL WORK. THE POSITION OF ALL WORK AS SHOWN IS INTENDED TO BE FIXED AND IN THE PROPER LOCATION. SUCH REQUIRED ADJUSTMENT SHALL BE DETERMINED BY THE A/E.

3.) PROVIDE SEPARATE NEUTRAL FOR EACH BRANCH CIRCUIT PHASE CONDUCTOR.

4.) SEE ARCHITECTURAL SHEETS FOR EXACT LOCATION OF DEVICES. DEVICES SHOWN ON ARCHITECTURAL ELEVATIONS. COORDINATE LOCATION OF DEVICES WITH ARCHITECTS FIELD PERSON TO ENSURE PROPER LOCATION AND HEIGHT.

5.) WHERE NEW DEVICES ARE SHOWN THE ELECTRICAL CONTRACTOR SHALL DO ALL CUTTING. THE GENERAL CONTRACTOR SHALL DO ALL PATCHING AND PAINTING OF EXISTING WALLS. THE ELECTRICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING WALL CONSTRUCTION. WHERE POSSIBLE ELECTRICAL CONTRACTOR MAY USE EXISTING BRANCH CIRCUIT CONDUIT BUT NEW CIRCUIT WIRING WILL NEED TO BE PULLED.

SYMBOLS

SYMBOL	DESCRIPTION
	SURFACE/SUSPENDED MOUNTED LED STRIP OR LINEAR, NORMAL POWER
	BATTERY PACK EMERGENCY LIGHTING
H^{A}	SINGLE POLE (LOWER CASE LETTER INDICATES SWITCH LEG)
H^{A} 3	THREE WAY
H^{A} 4	FOUR WAY
H^{A} P	PILOT LIGHT
OS X	OCCUPANCY SENSOR "X" DENOTES TYPE; SEE OCCUPANCY SENSOR SCHEDULE
	SIMPLEX RECEPTACLE
CD	CEILING CORD DROP
	DUPLEX RECEPTACLE NORMAL
	DUPLEX RECEPTACLE ABOVE COUNTER NORMAL
	FLOOR MOUNTED DUPLEX RECEPTACLE
	QUADRUPLEX RECEPTACLE NORMAL
	SIMPLEX SPECIAL RECEPTACLE
	FLOOR MOUNTED SPECIAL RECEPTACLE
	MOTOR WITH DESIGNATION
T	TRANSFORMER WITH DESIGNATION - DRAWN TO SCALE
	DISCONNECT SWITCH, NON-FUSED
	MOTOR STARTER
	COMBINATION MOTOR STARTER / DISCONNECT SWITCH
J	JUNCTION BOX
	EQUIPMENT CONNECTION, NORMAL POWER
H^{A} MMS	MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION
	BRANCH PANEL WITH DESIGNATION
V F D	VARIABLE FREQUENCY DRIVE; FURNISHED BY MC/HC/VC INSTALLED BY EC
VFD	VARIABLE FREQUENCY DRIVE; FURNISHED BY MC/HC/VC INSTALLED BY EC
S #	FIRE ALARM CEILING MOUNTED FIRE ALARM SPEAKER/STROBE - # = CANDELA
TS	FIRE ALARM SPRINKLER TAMPER SWITCH
FS	FIRE ALARM SPRINKLER FLOW SWITCH
#	KITCHEN EQUIPMENT TAG
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
MM	FIRE ALARM MONITOR MODULE
S	FIRE ALARM AUTOMATIC SENSOR - SMOKE DETECTOR
P	FIRE ALARM MANUAL PULL STATION
PC	PHOTO-CELL
	COMMUNICATION ROUGH-IN

MOUNTING HEIGHTS OF ELECTRICAL DEVICES

"UP" MEANS UP FROM FINISHED FLOOR TO CENTERLINE OF DEVICE
"DN" MEANS DOWN FROM FINISHED CEILING TO CENTERLINE OF DEVICE

1.	WALL SWITCHES	UP 42"
2.	*RECEPTACLES	UP 18"
3.	WALL TELEPHONE OUTLETS	UP 50"
4.	DISCONNECT SWITCHES	UP 68"
5.	FIRE ALARM HORNS / STROBES	UP 80" OR 6" BELOW CEILING
6.	PANELS TOP @	72" (TOP)

*A. THE EXACT MOUNTING HEIGHT REQUIRED FOR THESE DEVICES SHALL BE COORDINATED BY THE ELECTRICAL CONTRACTOR.

B. ALL DEVICE MOUNTING HEIGHTS SHALL MEET ALL ACCESSIBILITY STANDARDS.

LINE WEIGHT KEY

ALL ITEMS INDICATED BY A DARK SOLID LINE ARE NEW WORK

ALL ITEMS INDICATED BY A LIGHT SOLID LINE ARE EXISTING TO REMAIN

ALL ITEMS INDICATED BY A DASHED DARK LINE ARE DEMOLITION WORK

SHEET INDEX

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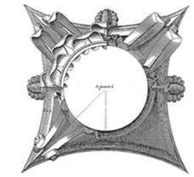

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JOB NO. 17-8996A

BREESE STEVENS FIELD

CONCESSIONS & RESTROOM BUILDING ADDITION

Project

Proj. No.: 1617.02

ELECTRICAL

SYMBOLS, NOTES, SCHEDULE
ONE-LINE & ABBREVIATIONS

Scale: No Scale

Drawn By: HEI

Date: 07-13-2018

Sheet No:

E0.1

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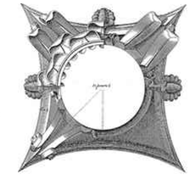

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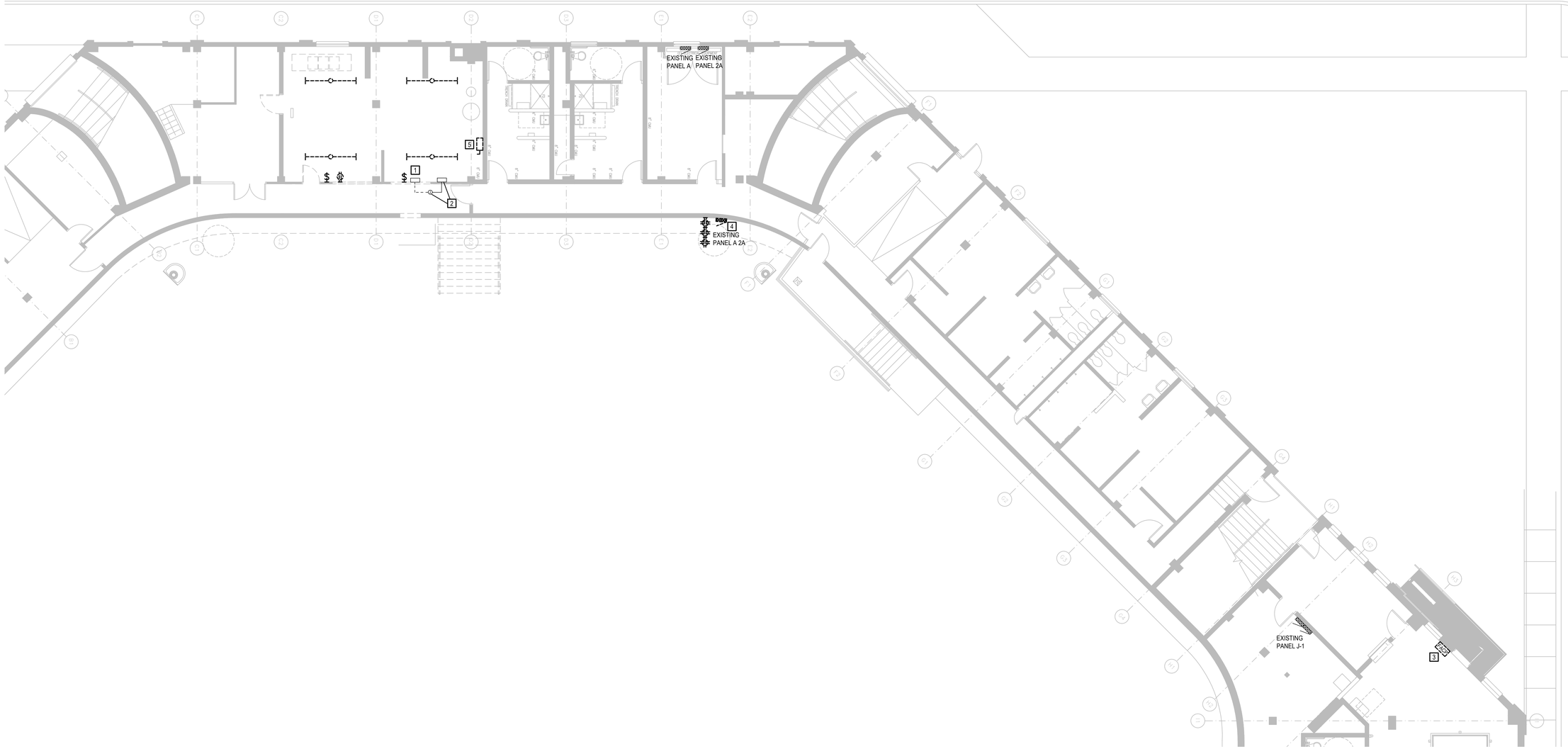


1 FIELD LEVEL DEMOLITION FLOOR PLAN - ELECTRICAL

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

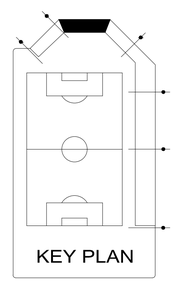
12" 0 1' 5' 10' 20'

GENERAL NOTES:

1. SEE E0.1 FOR GENERAL DEMOLITION NOTES.

KEYED DEMOLITION NOTES:

1. RELOCATE REMOTE FIELD LIGHTING CONTROL CABINET TO ACCOMMODATE NEW DOOR.
2. INTERCEPT CONTROL CONDUCTORS & RE-ROUTE TO NEW CONTROLLER LOCATION. EXISTING CONTROL CONDUCTORS ARE (3) # 12 AWG.
3. REMOVE EXISTING FACP & RELOCATE PHONE LINES TO NEW FACP.
4. EXISTING PANEL 2A TO BE RELOCATED. SEE SHEET E3.1 FOR NEW LOCATION.
5. REMOVE ABANDONED DISCONNECT SWITCH.



BREESE STEVENS FIELD

CONCESSIONS & RESTROOM BUILDING ADDITION

Project

Proj. No.: 1617.02

FIELD LEVEL

DEMOLITION FLOOR PLAN
ELECTRICAL

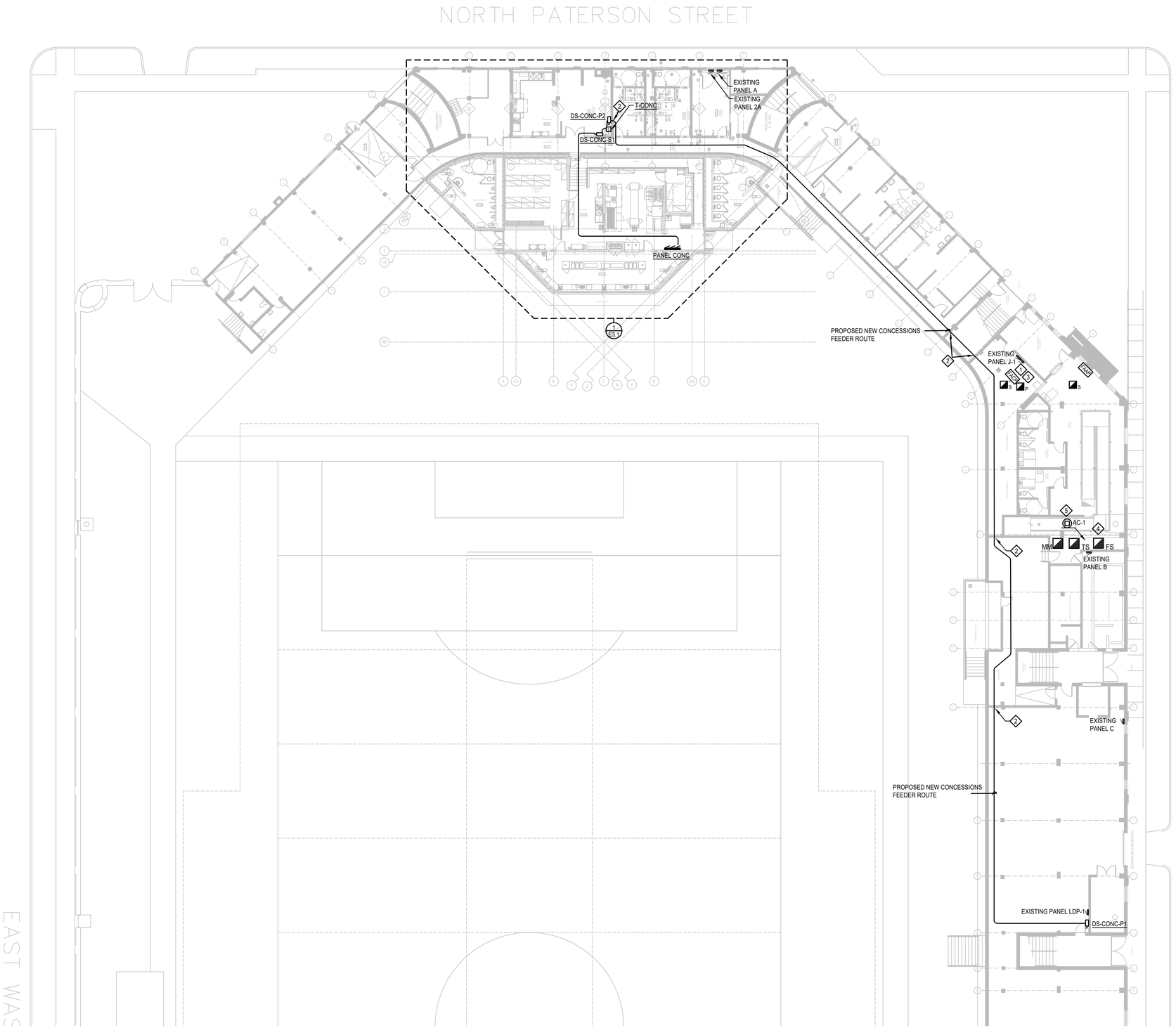
Scale: As Shown

Drawn By: HEI

Date: 07-13-2018

Sheet No:

E1.1



1 FIELD LEVEL FLOOR PLAN - ELECTRICAL

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

24" 0 2' 8' 16' 32'

KEYED NEW WORK NOTES:

1. MOUNT NEW FACP AND ASSOCATED CABINETS ON FREE STANDING CHANNEL STRUT BY EC.
2. CORE EXISTING MANSONRY OR CONCRETE WALLS AS REQUIRED FOR NEW FEEDER ROUTE.
3. PROVIDE (2) 120V-20A CIRCUITS FROM EXISTING PANEL J-1 FOR NEW FACP. USE SPARE 20A-1P BREAKERS IN PANEL. PROVIDE TRIP HANDLE LOCK ON BREAKER.
4. PROVIDE (4) TS, (4)FS AND (4) MM AT FIRE PROTECTION RISER. RECONFIGURE EXISTING (2) TS, (2) FS, AND (2) MM TO BE CONNECTED TO NEW FIRE ALARM SYSTEM. ALL DEVICES SHALL BE NEW.
5. POWER TO NEW DRY SYSTEM COMPRESSOR. 20A DEDICATED FROM PANEL B. PROVIDE TRIP HANDLE LOCK ON BREAKER.

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BREESE STEVENS FIELD

CONCESSIONS & RESTROOM BUILDING ADDITION

Project

Proj. No.: 1617.02

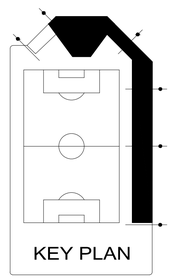
FIELD LEVEL

FLOOR PLAN - ELECTRICAL

Scale: As Shown

Drawn By: HEI

Date: 07-13-2018



Sheet No:

E2.1

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JOB NO. 17-8996A

BREESE STEVENS FIELD

CONCESSIONS & RESTROOM BUILDING ADDITION

Project

Proj. No.: 1617.02

ENLARGED

FIELD LEVEL FLOOR PLAN
ELECTRICAL

Scale: As Shown

Drawn By: HEI

Date: 07-13-2018

Sheet No:

E3.1

KEYED NEW WORK NOTES:

1. ALL FIXTURES THIS ROOM TO BE MOUNTED 8'-0" A.F.F. TO BOTTOM OF FIXTURE.
2. LOCATED ON ROOF.
3. INTERLOCK FIRE ALARM SYSTEM WITH HOOD SUPPRESSION SYSTEM.
4. VERIFY LOCATION OF ALL DEVICES IN THIS ROOM WITH FOOD SERVICE CONSULTANT BEFORE ROUGH-IN.
5. HOOD SUPPRESSION SYSTEM PULL STATION. COORDINATE WITH SUPPLIER.
6. PROVIDE WALL BOX TIMER FOR DISHWASHER FAN CONTROL. TORK D1060MW OR SIMILAR.
7. INTERLOCK FAN WITH RESTROOM LIGHTING CONTROLS.
8. LOCATED ON THE ROOF.
9. EXISTING WATER MAIN FOR GROUNDING ELECTRODE CONNECTION FROM TRANSFORMER T-CONC.
10. WATER HEATER & DISCONNECT.
11. EXISTING PANEL A 2A RELOCATED. SPLICE NEW 3#4, & ⅛ GND. IN 1/2"C. TO EXISTING WIRING AND CONDUIT.
12. MOUNT TRANSFORMER ON 3-1/2" HOUSEKEEPING PAD.
13. SHUNT TRIP CONTROL POWER CIRCUIT. INTERFACE WITH HOOD SUPPRESSION SYSTEM AND SHUNT TRIP COILS ON BREAKERS.

GENERAL NOTES:

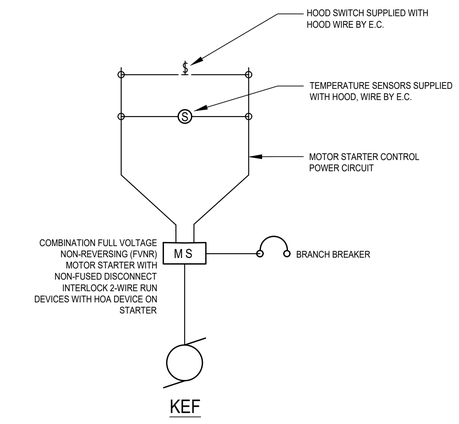
1. ALL RECEPTACLES IN KITCHEN SHALL BE GFCI.
2. REFER TO FOOD SERVICE DRAWINGS FOR KITCHEN EQUIPMENT REQUIREMENTS.

1 ENLARGED FIELD LEVEL FLOOR PLAN - ELECTRICAL

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

12" 0 1' 5' 10'

KEY PLAN



1 KITCHEN EXHAUST FAN WIRING SCHEMATIC

NO SCALE

PANELBOARD NAME	VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN	AIC RATING
CONCESSION (TUB 3)	208 / 120	3	4	400A	MLO	10000 A
LOCATION	FEED FROM	SOURCE LOCATION	# OF CKTS	MOUNT	NEMA ENCLOSURE	
CONCESSION		SEE E2.1	42	SURFACE	TYPE 1	

LOAD	CB ACCESS.	POLE	BKR AMP	CKT#	VA	PHASE	VA	CKT#	BKR AMP	POLE	CB ACCESS.	LOAD
SPARE		3	20	85	0	A	0	86	20	3		SPARE
I				87	0	B	0	88				I
I				89	0	C	0	90				I
HOOD RECEPT.	ST	1	20	91	180	A	180	92	20	1	ST	HOOD RECEPT
I				93	0	B	0	94				I
HOOD RECEPT.	ST	1	20	95	180	C	180	96	20	1	ST	HOOD RECEPT
I				97	0	A	0	98				I
HOOD RECEPT.	ST	1	20	99	180	B	180	100	20	1	ST	HOOD RECEPT
I				101	0	C	0	102				I
RECEPT.		1	20	103	720	A	360	104	20	1		RECEPT
SHUNT TRIP CONTROL PWR		1	20	105	0	B	180	106	20	1		RECEPT
SPARE		1	20	107	0	C	360	108	20	1		RECEPT
SPARE		1	20	109	0	A	120	110	20	1		HOOD SUPRESS
SPARE		1	20	111	0	B	120	112	20	1		HOOD SUPRESS
SPARE		1	20	113	0	C	0	114	20	1		SPARE
SPARE		1	20	115	0	A	0	116	20	1		SPARE
SPARE		1	20	117	0	B	0	118	20	1		SPARE
SPARE		1	20	119	0	C	0	120	20	1		SPARE
SPARE		3	30	121	0	A	0	122	30	3		SPARE
I				123	0	B	0	124				I
I				125	0	C	0	126				I

PANEL OPTIONS:	RECEPT-VA @	per NEC	-	TOTAL CALC LOAD VA = 2,940
	LIGHTS STD-VA @	100%	-	ADJUSTED VA = 2,922
	LIGHTS HOSP.-VA @	per NEC	-	DEMAND AMPS = 8
	LIGHTS WARE.-VA @	per NEC	-	ADJUSTED EXIST. KW = 0
PANEL NOTES:	MOTOR-VA @	100%	-	LRG MOTOR LOAD VA =
TUB 3 OF 3	KITCHEN-VA @	100%	2,922	# OF ELEV(S) =
	X-RAY-VA @	per NEC	-	
	HEATING EQ-VA @	100%	-	# OF KITCHEN EQUIP =
	COOLING EQ-VA @	100%	-	SUB-FEED PANEL(S) =
	ELEVATOR-VA @	100%	-	25% GROWTH FACTOR = 2
	MISC.-VA @	100%	-	TOTAL DESIGN AMPS 9

PANELBOARD NAME	VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN	AIC RATING
CONCESSION (TUB 1)	208 / 120	3	4	400A	300A-3P	10,000A
LOCATION	FEED FROM	SOURCE LOCATION	# OF CKTS	MOUNT	NEMA ENCLOSURE	
CONCESSION		SEE E2.1	42	SURFACE	TYPE 1	

LOAD	CB ACCESS.	POLE	BKR AMP	CKT#	VA	PHASE	VA	CKT#	BKR AMP	POLE	CB ACCESS.	LOAD
LIGHTING		1	20	1	1,049	A	800	2	15	3		FOOD SERVICE ITEM 3
LIGHTING		1	20	3	1,432	B	800	4				I
RECEPTACLES		1	20	5	1,080	C	800	6				I
FOOD SERVICE ITEM 4		3	70	7	9,666	A	800	8	20	3		FOOD SERVICE ITEM 16
I				9	9,666	B	800	10				I
I				11	9,666	C	800	12				I
FOOD SERVICE ITEM 21	ST	1	20	13	800	A	912	14	20	1		FOOD SERVICE ITEM 25
SHUNT TRIP				15	0	B	828	16	20	1		FOOD SERVICE ITEM 27
FOOD SERVICE ITEM23	ST	1	20	17	480	C	420	18	20	1	ST	FOOD SERVICE ITEM 29
SHUNT TRIP				19	0	A	0	20	20	1		SHUNT TRIP
FOOD SERVICE ITEM 32	ST	1	20	21	480	B	1,416	22	20	1		FOOD SERVICE ITEM 36
SHUNT TRIP				23	0	C	648	24	20	1		FOOD SERVICE ITEM 40A
FOOD SERVICE ITEM 40B		1	20	25	600	A	180	26	20	1		FOOD SERVICE ITEM 40D
FOOD SERVICE ITEM 40C		2	35	27	916	B	1,260	28	20	1		FOOD SERVICE ITEM 41
I				29	916	C	1,260	30	20	1		FOOD SERVICE ITEM 41
SPARE				31	916	A	1,166	32	20	3		FOOD SERVICE ITEM 44C
FOOD SERVICE ITEM 44A		1	20	33	500	B	1,166	34				I
FOOD SERVICE ITEM BB		2	20	35	1,250	C	1,166	36				I
I		1	20	37	1,250	A	1,500	38	20	1		FOOD SERVICE ITEM 55
FOOD SERVICE ITEM 44D		1	20	39	180	B	1,000	40	20	1		FOOD SERVICE ITEM 56
FOOD SERVICE ITEM 48		1	20	41	800	C	1,000	42	20	1		FOOD SERVICE ITEM 56

PANEL OPTIONS:	RECEPT-VA @	per NEC	1,080	TOTAL CALC LOAD VA = 108,271
FEED THRU LUGS	LIGHTS STD-VA @	100%	2,481	ADJUSTED VA = 77,947
	LIGHTS HOSP.-VA @	per NEC	-	DEMAND AMPS = 217
	LIGHTS WARE.-VA @	per NEC	-	ADJUSTED EXIST. KW = 0
PANEL NOTES:	MOTOR-VA @	100%	-	LRG MOTOR LOAD VA =
TUB 1 OF 3	KITCHEN-VA @	65%	74,386	# OF ELEV(S) =
	X-RAY-VA @	per NEC	-	
	HEATING EQ-VA @	100%	-	# OF KITCHEN EQUIP = 25
	COOLING EQ-VA @	100%	-	SUB-FEED PANEL(S) =
	ELEVATOR-VA @	100%	-	25% GROWTH FACTOR = 54
	MISC.-VA @	100%	-	TOTAL DESIGN AMPS 218

PANELBOARD NAME	VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN	AIC RATING
CONCESSION (TUB 2)	208 / 120	3	4	400A	MLO	10,000A
LOCATION	FEED FROM	SOURCE LOCATION	# OF CKTS	MOUNT	NEMA ENCLOSURE	
CONCESSION		SEE E2.1	42	SURFACE	TYPE 1	

LOAD	CB ACCESS.	POLE	BKR AMP	CKT#	VA	PHASE	VA	CKT#	BKR AMP	POLE	CB ACCESS.	LOAD
FOOD SERVICE ITEM 51		2	20	43	750	A	1,000	44	20	1		FOOD SERVICE ITEM 57
I				45	750	B	1,000	46	20	1		FOOD SERVICE ITEM 57
FOOD SERVICE ITEM 52		2	20	47	750	C	1,000	48	20	1		FOOD SERVICE ITEM 57
I				49	750	A	1,700	50	20	1		FOOD SERVICE ITEM 58
FOOD SERVICE ITEM 57		1	20	51	1,000	B	1,700	52	20	1		FOOD SERVICE ITEM 58
FOOD SERVICE ITEM 57		1	20	53	1,000	C	900	54	20	1		FOOD SERVICE ITEM 59
FOOD SERVICE ITEM 57		1	20	55	1,000	A	1,200	56	20	1		FOOD SERVICE ITEM 61
FOOD SERVICE ITEM 60		1	20	57	1,400	B	1,200	58	20	1		FOOD SERVICE ITEM 61
FOOD SERVICE ITEM 61		1	20	59	1,200	C	1,200	60	20	1		FOOD SERVICE ITEM 61
FOOD SERVICE ITEM 61		1	20	61	1,200	A	1,200	62	20	1		FOOD SERVICE ITEM 61
FOOD SERVICE ITEM 61		1	20	63	1,200	B	700	64	20	1		FOOD SERVICE ITEM 63
FOOD SERVICE ITEM 60		1	20	65	1,200	C	700	66	20	1		FOOD SERVICE ITEM 63
GAS WATER HEATER		1	20	67	700	A	700	68	20	1		FOOD SERVICE ITEM 63
WATER SOFTENER		1	20	69	1,000	B	900	70	20	3		KEF-1
EWH-1		2	20	71	1,500	C	900	72				I
I				73	1,500	A	900	74				I
KEF-2		3	20	75	0	B	360	76	20	1		EXTERIOR RECEPTACLES
I				77	0	C	432	78	20	1		LIGHTING
I				79	0	A	570	80	20	1		TOILET EXHAUST
CORD DROP		1	20	81	1,200	B	500	82	20	1		EF-4
CORD DROP		1	20	83	1,200	C	1,200	84	20	1		CORD DROP

PANEL OPTIONS:	RECEPT-VA @	per NEC	-	TOTAL CALC LOAD VA = 47,902
FEED THRU LUGS	LIGHTS STD-VA @	100%	-	ADJUSTED VA = 34,181
	LIGHTS HOSP.-VA @	per NEC	-	DEMAND AMPS = 95
	LIGHTS WARE.-VA @	per NEC	-	ADJUSTED EXIST. KW = 0
PANEL NOTES:	MOTOR-VA @	100%	-	LRG MOTOR LOAD VA =
TUB 2 OF 3	KITCHEN-VA @	65%	34,181	# OF ELEV(S) =
	X-RAY-VA @	per NEC	-	
	HEATING EQ-VA @	100%	-	# OF KITCHEN EQUIP = 25
	COOLING EQ-VA @	100%	-	SUB-FEED PANEL(S) =
	ELEVATOR-VA @	100%	-	25% GROWTH FACTOR = 24
	MISC.-VA @	100%	-	TOTAL DESIGN AMPS 96

DISCONNECT SWITCH AND STARTER SCHEDULE

MARK	LOAD	DISC SW	STAR-TER	VOLTS	PHASE	HP	VA	AMPS	SW	FUSE	STR TYPE	NEMA ENCL.	CONTROL	CONDUIT & WIRE
EWH-1	ELECTRIC WATER HEATER 1	BY E.C.	-	208	1	-	3,000	18.0	30	-	-	3R		2#10, 1#10 GND., 3/4"C.
KEF-1	KITCHEN EXHAUST FAN 1	W/UNIT	BY E.C.	208	3	2.0	2,807	7.8	30	-	FNVR	3R	INTERLOCK WITH SWITCH ON HOOD SWITCH FACTORY MOUNTED ON HOOD PROVIDE HOA ON FVNR COMBINATION NON-FUSED DISCONECT AND MOTOR STARTER	3#12,1#12 GND, 3/4"C.
KEF-2	KITCHEN EXHAUST FAN 2	W/UNIT	BY E.C.	208	3	1.0	1,727	4.8	30	-	FNVR	3R	INTERLOCK WITH SWITCH ON HOOD SWITCH FACTORY MOUNTED ON HOOD PROVIDE HOA ON FVNR COMBINATION NON-FUSED DISCONECT AND MOTOR STARTER	3#12,1#12 GND, 3/4"C.
EF-1	EXHAUST FAN 1	BY E.C.	-	120	1	-	285	2.4	30	-	-	1	PROVIDE CONTROL RELAY(S) TO INTERLOCK WITH ROOM LIGHTING WALL SWITCH AND OCUPANCY SENSOR	2#12, 1#12 GND., 1/2"C.
EF-2	EXHAUST FAN 2	BY E.C.	-	120	1	-	285	2.4	30	-	-	1	PROVIDE CONTROL RELAY(S) TO INTERLOCK WITH ROOM LIGHTING WALL SWITCH AND OCUPANCY SENSOR	2#12, 1#12 GND., 1/2"C.
EF-3	EXHAUST FAN 3	BY E.C.	-	120	1	FRAC.	528	4.4	30	-	-	1	PROVIDE CONTROL RELAY(S) TO INTERLOCK WITH ROOM LIGHTING WALL SWITCH AND OCUPANCY SENSOR	2#12, 1#12 GND., 1/2"C.
EF-4	EXHAUST FAN 4	BY E.C.	BY E.C.	120	1	FRAC.	528	4.4	30	-	-	3R	INTERLOCK WITH WALL BOX TIMER	2#12, 1#12 GND., 1/2"C.
GWH-1	GAS WATER HEATER	BY E.C.	-	120	1	-	600	5.0	30.0	-	-	3R		2#12, 1#12 GND., 1/2"C.
AC	FIRE SUPRESSION SYSTEM	BY E.C.	-	120	1	FRAC.	528	4.4	30.0			1		2#12, 1#12 GND., 1/2"C.

LIGHTING FIXTURE SCHEDULE

MARK	FIXTURE		VOLT.	LAMP		MOUNTING		MANUFACTURER		REMARKS
	TYPE	DIFFUSER		# & WATTS	TYPE	TYPE	HT.	NAME	SERIES NO.	
F1	4' ENCLOSED FIXTURE	PRISMATIC ACRYLIC	120	35.1W	LED	SURFACE	CEILING	METALUX	4WSL-LD2-40-S**-UNV-L840-CD1-U	PROVIDE ALL ACCESSORIES FOR A COMPLETE INSTALLATION SEE FLOOR PLAN FOR RUN LENGTH
F2	WALL PACK	GLASS	120	34W	LED	WALL	ABOVE DOOR	RAB LIGHTING	SLIM37N	
F3	6" DOWNLIGHT	NA/	MVOLT		LED	RECESSED	CEILING	GOTHAM	EVO-40-1000-MD-LSS-MVOLT	
F4	4' STRIP LIGHT	FROSTED ACRYLIC	MVOLT	31 W	LED	SURFACE	CEILING	METALUX	SNLED-LD5-37SL-LW-UNU-L840	
X	EXIT LIGHT	NA/	MVOLT		LED	WALL	WALL	COOPER	LPXW-7-1-R-WH-SD	
EM	EMERGENCY BATTERY PACK	N/A	120	8W	LED	WALL	7'-6" TO BOTTOM OF FIXTURE	LITHONIA	AFN-W-EXT	

GENERAL NOTE:
FIXTURES NOTED IN THIS SCHEDULE ARE TO ESTABLISH A BASIS OF DESIGN. PRODUCTS OTHER THAN THOSE LISTED IN THE SCHEDULE ARE PERMITTED SUBJECT TO MEETING THE REQUIREMENTS OF THE SCHEDULED FIXTURE'S QUALITY, PERFORMANCE, ENERGY, AESTHETICS, DIMENSIONS, ETC...

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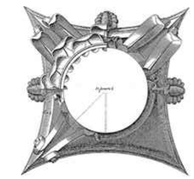

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JOB NO. 17-8996A

BREESE STEVENS FIELD

CONCESSIONS & RESTROOM BUILDING ADDITION

Project

Proj. No.: 1617.02

ELECTRICAL
SCHEDULES

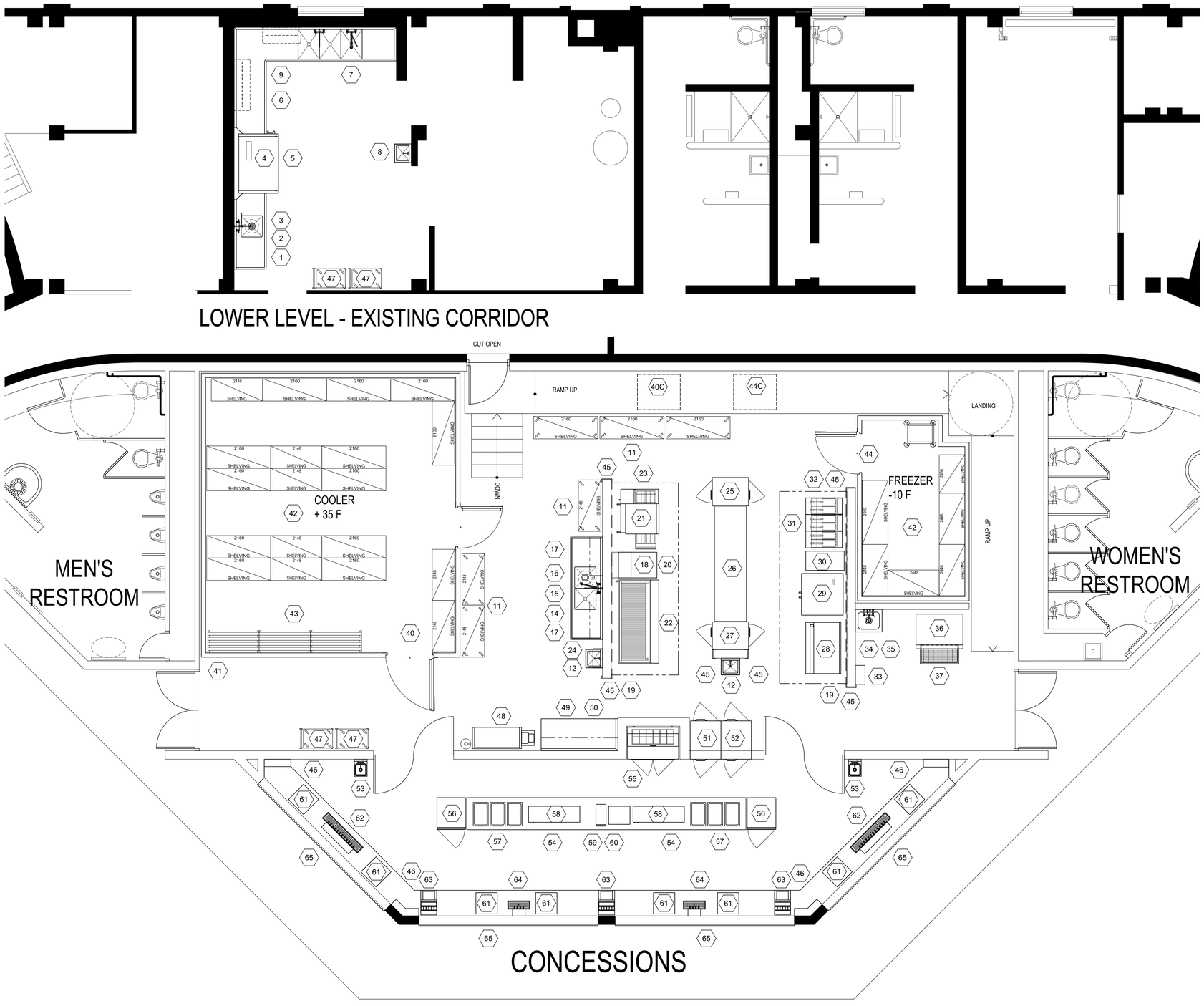
Scale: No Scale

Drawn By: HEI

Date: 07-13-2018

Sheet No:

E6.0



1 FOODSERVICE LAYOUT - PRELIMINARY
1/4"=1'-0"

ITEM NUMBER	EQUIPMENT DESCRIPTION	QUANTITY	(N)NEW (F)FUTURE (X)EXISTING	
1	SOILED DISH TABLE	1	N	BY OPERATOR
2	PRE-RINSE SPRAY ASSEMBLY	1	N	BY OPERATOR
3	DISPOSER	1	N	BY OPERATOR
4	DISHWASHER	1	N	BY OPERATOR
5	S/S WALL COVERING	LOT	N	BY OPERATOR
6	3-COMPARTMENT SINK/CLEAN DISH TABLE	1	N	BY OPERATOR
7	SPRAY AND FILL ASSEMBLY	1	N	BY OPERATOR
8	HAND SINK	1	N	BY OPERATOR
9	WALL SHELF/POT RACK	2	N	BY OPERATOR
10	MOBILE HEATED CABINETS - NOT SHOWN	2	N	BY OPERATOR
11	MOBILE SHELVING	6	N	BY OPERATOR
12	HAND SINKS	2	N	BY OPERATOR
13	OPEN NUMBER	-	-	-
14	WORK TABLE WITH SINKS	1	N	BY OPERATOR
15	SPRAY AND FILL ASSEMBLY	1	N	BY OPERATOR
16	DISPOSER	1	N	BY OPERATOR
17	WALL SHELVES	4	N	BY OPERATOR
18	WALL SHELF	1	N	BY OPERATOR
19	S/S WALL COVERING	LOT	N	BY OPERATOR
20	WORK TABLE	1	N	BY OPERATOR
21	IMPINGER OVEN	1	N	BY OPERATOR
22	CHAR-BROILER	1	N	BY OPERATOR
23	EXHAUST HOOD	1	N	BASE CONTRACT
24	FIRE SUPPRESSION SYSTEM	1	N	BASE CONTRACT
25	PASS-THROUGH FREE□ER	1	N	BY OPERATOR
26	WORK TABLE	1	N	BY OPERATOR
27	PASS-THROUGH REFRIGERATOR	1	N	BY OPERATOR
28	GRIDDLE	1	N	BY OPERATOR
29	CONVECTION OVENS	STACK OF 2	N	BY OPERATOR
30	FRY DUMP TABLE	1	N	BY OPERATOR
31	FRYERS	3	N	BY OPERATOR
32	EXHAUST HOOD	1	N	BASE CONTRACT
33	FIRE SUPPRESSION SYSTEM	1	N	BASE CONTRACT
34	MOP SINK	1	N	BY OPERATOR
35	S/S WALL COVERING	LOT	N	BY OPERATOR
36	ICE MAKER WITH BIN	1	N	BY OPERATOR
37	FLOOR TROUGH	1	N	BASE CONTRACT
38	OPEN NUMBER	-	-	-
39	OPEN NUMBER	-	-	-
40	WALK-IN COOLER	1	N	BASE CONTRACT
41	BEER DISTRIBUTION SYSTEMS	2	N	BY OPERATOR
42	COOLER/FREE□ER SHELVING	LOT	N	BY OPERATOR
43	COOLER/FREE□ER DUNNAGE RACKS	LOT	N	BY OPERATOR
44	WALK-IN FREE□ER	1	N	BASE CONTRACT
45	WALL CAPS	6	N	BY OPERATOR
46	STAINLESS STEEL BEVERAGE CHASES	4	N	BY OPERATOR
47	UTILITY CARTS	4	N	BY OPERATOR
48	SODA DISTRIBUTION SYSTEM	1	N	BY VENDOR
49	WORK TABLE	1	N	BY OPERATOR
50	WALL SHELVES	2	N	BY OPERATOR
51	PASS-THROUGH HEATED CABINET	1	N	BY OPERATOR
52	PASS-THROUGH HEATED CABINET	1	N	BY OPERATOR
53	HAND SINKS	2	N	BY OPERATOR
54	SERVING COUNTERS	2	N	BY OPERATOR
55	COLD TOP REFRIGERATOR	1	N	BY OPERATOR
56	BEVERAGE REFRIGERATOR	2	N	BY OPERATOR
57	FOOD WARMERS	6	N	BY OPERATOR
58	HEAT LAMPS	2	N	BY OPERATOR
59	CHEESE DISPENSER	1	N	BY OPERATOR
60	POPCORN MAKER	1	N	BY OPERATOR
61	P.O.S. STATIONS	8	N	BY OPERATOR
62	BEER DISPENSERS	2	N	BY OPERATOR
63	SODA DISPENSERS	3	N	BY OPERATOR
64	BEER DISPENSERS	2	N	BY OPERATOR
65	SERVING COUNTERS	4	N	BY OTHERS

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BREESE STEVENS FIELD

CONCESSIONS
BUILDING ADDITION

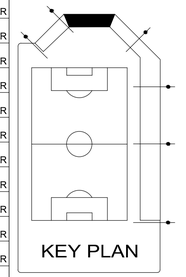
Project
Proj. No.: 1617.02

FOODSERVICE
EQUIPMENT
LAYOUT

cd phase

Scale: 1/4 = 1'-0"
Drawn By: BN

Date: 4-16-18



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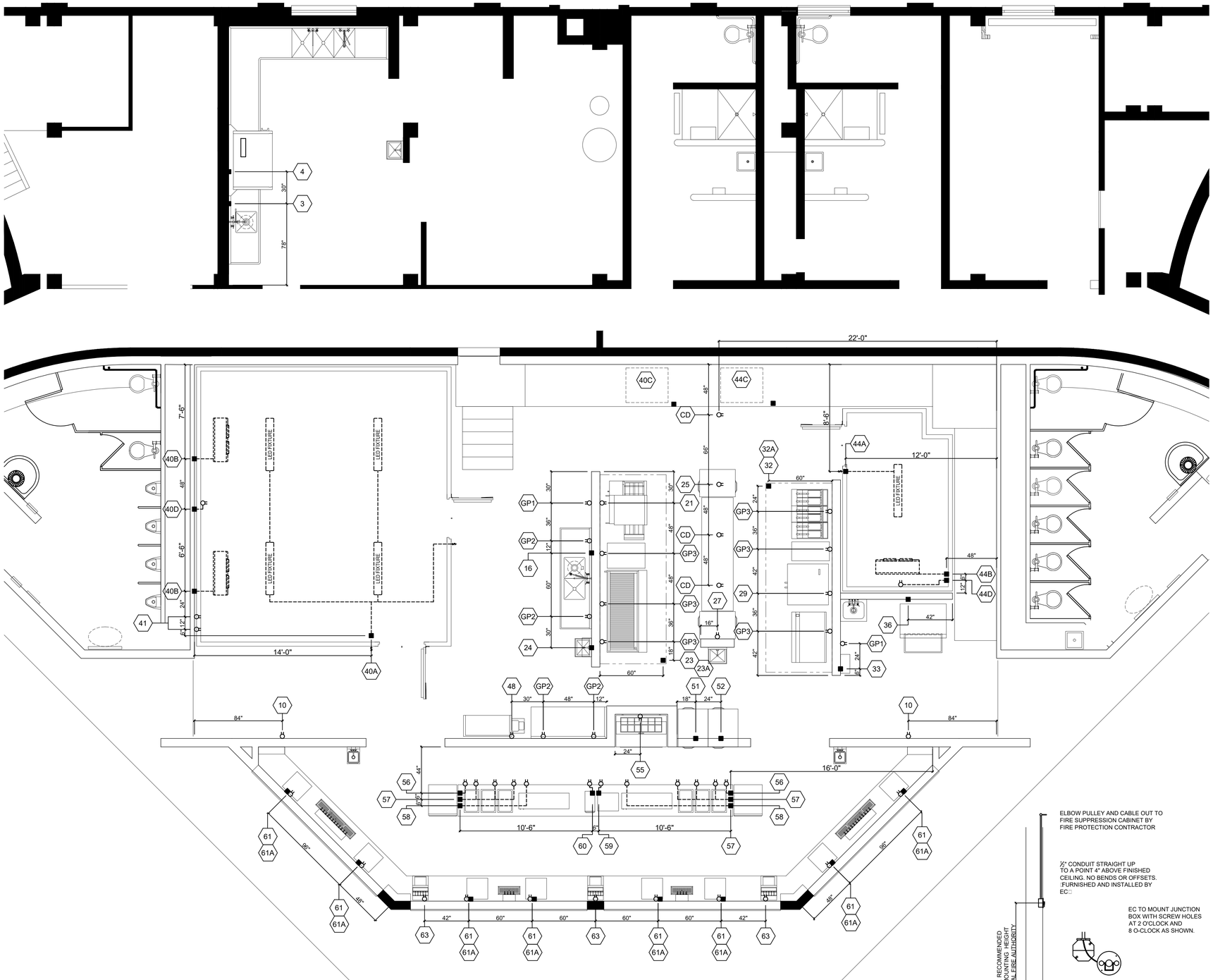

1 FOODSERVICE ELECTRICAL ROUGH-IN PLAN - PRELIMINARY
1/4"=1'-0"

ELBOW PULLEY AND CABLE OUT TO FIRE SUPPRESSION CABINET BY FIRE PROTECTION CONTRACTOR

½" CONDUIT STRAIGHT UP TO A POINT 4" ABOVE FINISHED CEILING. NO BENDS OR OFFSETS. :FURNISHED AND INSTALLED BY EC□

EC TO MOUNT JUNCTION BOX WITH SCREW HOLES AT 2 O'CLOCK AND 8 O-CLOCK AS SHOWN.

STANDARD 4"□4" ELECTRICAL OCTOGON JUNCTION BOX :FURNISHED AND INSTALLED BY EC□

48" AFF. RECOMMENDED. VERIFY MOUNTING HEIGHT WITH LOCAL FIRE AUTHORITY.

MOUNT MANUAL PULL SWITCH MINIMUM 10'-0" FROM EXHAUST HOOD. MUST BE LOCATED IN PATH OF EGRESS. VERIFY LOCATION WITH LOCAL FIRE AUTHORITY.

ELECTRICAL CONNECTION SCHEDULE

3	208/3 J-BOX 16" AFF. - 6.6 AMPS EC TO WIRE TO DISPOSER, SOLENOID AND TO CONTROL PANEL.
4	208/3 J-BOX 16" AFF. - 58.6 AMPS EC TO CONNECT TO DISHWASHER.
10	115/1 GFCI D.O. 24" AFF. TWO LOCATIONS -16.0 EACH - 5-20R
16	208/3 J-BOX 16" AFF. - 6.6 AMPS EC TO WIRE TO DISPOSER, SOLENOID AND TO CONTROL PANEL.
21	115/1 GFCI D.O. 18" AFF. - 7.0 AMPS - 5-15R EC TO FURNISH AND INSTALL SHUNT TRIP BREAKER.
23	115/1 J-BOX FROM ABOVE. - 4.0 AMPS EC TO CONNECT TO EXHAUST HOOD. POWER FOR LIGHTS ONLY.
23A	SWITCHES FOR EXHAUST HOOD LIGHT AND FANS MOUNTED ON FACE OF HOOD EC TO WIRE FROM SWITCHES TO EXHAUST HOOD LIGHTS AND FAN.
24	115/1 DEDICATED ISOLATED J-BOX FROM ABOVE. EC TO WIRE TO SHUNT TRIP CONTACTORS. EC TO WIRE TO PROVIDE RECESSED OCTOGON BOX AT 54" AFF. AND EMPTY CONDUIT EXTENDING ABOVE THE FINISHED CEILING FOR MANUAL PULL CABLE. COORDINATE LOCATION WITH CODE OFFICIALS, ARCHITECT AND GC.
25	115/1 GFCI D.O. CORD DROP - 7.6 AMPS - 5-15R
27	115/1 GFCI D.O. 88" AFF. - 6.9 AMPS - 5-15R
29	115/1 GFCI D.O. 24" AND 48" AFF. - 3.5 AMPS EACH - 5-15R EC TO FURNISH AND INSTALL SHUNT TRIP BREAKER.
32	115/1 J-BOX FROM ABOVE. - 4.0 AMPS EC TO CONNECT TO EXHAUST HOOD. POWER FOR LIGHTS ONLY.
32A	SWITCHES FOR EXHAUST HOOD LIGHT AND FANS MOUNTED ON FACE OF HOOD EC TO WIRE FROM SWITCHES TO EXHAUST HOOD LIGHTS AND FAN.
33	115/1 DEDICATED ISOLATED J-BOX FROM ABOVE. EC TO WIRE TO SHUNT TRIP CONTACTORS. EC TO WIRE TO PROVIDE RECESSED OCTOGON BOX AT 54" AFF. AND EMPTY CONDUIT EXTENDING ABOVE THE FINISHED CEILING FOR MANUAL PULL CABLE. COORDINATE LOCATION WITH CODE OFFICIALS, ARCHITECT AND GC.
36	115/1 J-BOX 66" AFF. - 11.8 AMPS EC TO WIRE FROM J-BOX TO ICE MAKER.
40A	115/1 J-BOX FROM ABOVE. EC TO WIRE FROM ROUGH-IN TO DOOR PANEL CONNECTION AND TO LIGHTS.
40B	115/1 J-BOX FROM ABOVE - TWO CONNECTIONS 1.8 AMPS EACH EC TO WIRE TO EVAPORATOR COIL CONNECTION POINTS.
40C	208/1 J-BOX DISCONNECT - VERIFY LOCATION - 15.2 AMPS EC TO WIRE FROM DISCONNECT TO CONDENSING UNIT. COORDINATE EXACT LOCATION WITH GC. 35.0 AMP MAXIMUM CIRCUIT.
40D	115/1 DEDICATED ISOLATED J-BOX FROM ABOVE - 16.0 AMPS EC TO FURNISH AND INSTALL GFI D.O. IN WEATHER-PROOF ENCLOSURE AS SHOWN.
41	115/1 GFCI D.O. 108" AFF. - TWO LOCATIONS - 10.5 AMPS EACH - 5-15R
44A	115/1 J-BOX FROM ABOVE. EC TO WIRE FROM ROUGH-IN TO DOOR PANEL CONNECTION AND TO LIGHTS.
44B	208/1 J-BOX FROM ABOVE - 10.8 AMPS EC TO WIRE TO EVAPORATOR COIL CONNECTION POINT.
44C	208/3 J-BOX DISCONNECT - VERIFY LOCATION - 9.6 AMPS COORDINATE EXACT LOCATION WITH GC. 20.0 AMP MAXIMUM CIRCUIT.
44D	115/1 DEDICATED ISOLATED J-BOX FROM ABOVE - 16.0 AMPS EC TO FURNISH AND INSTALL GFI D.O. IN WEATHER-PROOF ENCLOSURE AS SHOWN.
48	115/1 GFCI D.O. 18" AFF. - 6.5 AMPS - 5-15R VERIFY REQUIREMENTS WITH VENDOR.
51	115/208/1 J-BOX. 88" AFF. - 7.8 AMPS EC TO WIRE FROM ROUGH-IN TO HEATED CABINET.
52	115/208/1 J-BOX. 88" AFF. - 7.8 AMPS EC TO WIRE FROM ROUGH-IN TO HEATED CABINET.
55	115/1 GFCI D.O. 18" AFF. - 13.0 AMPS - 5-15R
56	115/1 J-BOX STUB UP 3" AFF. - TWO LOCATIONS - 16.0 AMPS EACH EC TO WIRE FROM ROUGH-IN TO OUTLETS MOUNTED ON THE TABLE BY MANUFACTURER.
57	115/1 J-BOX STUB UP 3" AFF. - SIX LOCATIONS - 16.0 AMPS EACH EC TO WIRE FROM ROUGH-IN TO OUTLETS MOUNTED ON THE TABLE BY MANUFACTURER.
58	115/1 J-BOX STUB UP 3" AFF. - TWO LOCATIONS - 16.0 AMPS EACH EC TO WIRE FROM ROUGH-IN TO OUTLETS MOUNTED ON THE TABLE BY MANUFACTURER.
59	115/1 J-BOX STUB UP 3" AFF. - 16.0 AMPS EC TO WIRE FROM ROUGH-IN TO OUTLET MOUNTED ON THE TABLE BY MANUFACTURER.
60	115/1 J-BOX STUB UP 3" AFF. - 16.0 AMPS EC TO WIRE FROM ROUGH-IN TO OUTLET MOUNTED ON THE TABLE BY MANUFACTURER.
61	115/1 GFCI D.O. 18" AFF. - EIGHT LOCATIONS - 16.0 AMPS EACH VERIFY REQUIREMENTS WITH OPERATOR.
61A	CONDUIT AND RECEPTACLES FOR DATA/COMMUNICATION LINES VERIFY REQUIREMENTS AND ROUTING WITH OPERATOR.
63	115/1 GFCI D.O. 18" AFF. - THREE LOCATIONS - 6.0 AMPS EACH - 5-15R
GP1	115/1 GFCI D.O. 18" AFF. - TWO LOCATIONS - 16.0 AMPS EACH - 5-20R
GP2	115/1 GFCI D.O. 18" AFF. - FOUR LOCATIONS - 16.0 AMPS EACH - 5-20R MOUNT OUTLETS HORI□ONTALLY.
GP2	115/1 GFCI D.O. 18" AFF. - SIX LOCATIONS - 16.0 AMPS EACH - 5-20R EC TO FURNISH AND INSTALL SHUNT TRIP BREAKER INTERWIRED TO FIRE SUPPRESSION SYSTEM.
CD	115/1 GFCI D.O. CORD DROP - THREE LOCATIONS - 16.0 AMPS EACH - 5-20R

ELECTRICAL SYMBOLS AND NOTES

D.O.	DUPLEX OUTLET
S.O.	SPECIAL PURPOSE OUTLET
J-BOX	ELECTRICAL JUNCTION BOX
COMM	COMMUNICATIONS RECEPTACLE
T.A.	TEMPERATURE ALARM
	SWITCH
AFF.	ABOVE FINISHED FLOOR
	FEC PROVIDED AND MOUNTED LED FIXTURE EC TO CONNECT TO POWER.

ELECTRICAL CONTRACTOR NOTES

1. HEIGHTS LISTED IN CONNECTION SCHEDULE ARE TO CENTER LINE OF ROUGH-IN.
2. MOUNT DUPLEX OUTLETS ABOVE WORK TABLES HORIZONTALLY.
3. PROVIDE GFCI OUTLETS IN ALL WET AREAS AND AREAS REQUIRED BY CODE.
4. CONCEAL ALL ROUGH-IN WITHIN WALLS WHERE POSSIBLE.
5. INSTALL ALL DEVICES PROVIDED BY FEC AS INDICATED ON MECHANICAL ELECTRICAL AND PLUMBING SCHEDULE.
6. PROVIDE ALL RECEPTACLES, CONDUIT, SWITCHES ETC. UNLESS OTHERWISE NOTED. COORDINATE RECEPTACLE TYPES WITH FEC.
7. COORDINATE REQUIREMENTS FOR SUPPLIER FURNISHED EQUIPMENT.

FEC NOTES

1. FEC TO VERIFY ROUGH-IN LOCATIONS TO ENSURE PROPER QUANTITY AND LOCATIONS. ADVISE CONSULTANT AND ARCHITECT OF ANY REQUIRED CHANGES.
2. FEC TO COORDINATE ELECTRICAL REQUIREMENTS FOR EXISTING EQUIPMENT WITH EC.

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BREESE STEVENS FIELD

CONCESSIONS BUILDING ADDITION

Project

Proj. No.: 1617.02

FOODSERVICE

ELECTRICAL
ROUGH-IN
PLAN

cd phase

Scale: 1/4 = 1'-0"

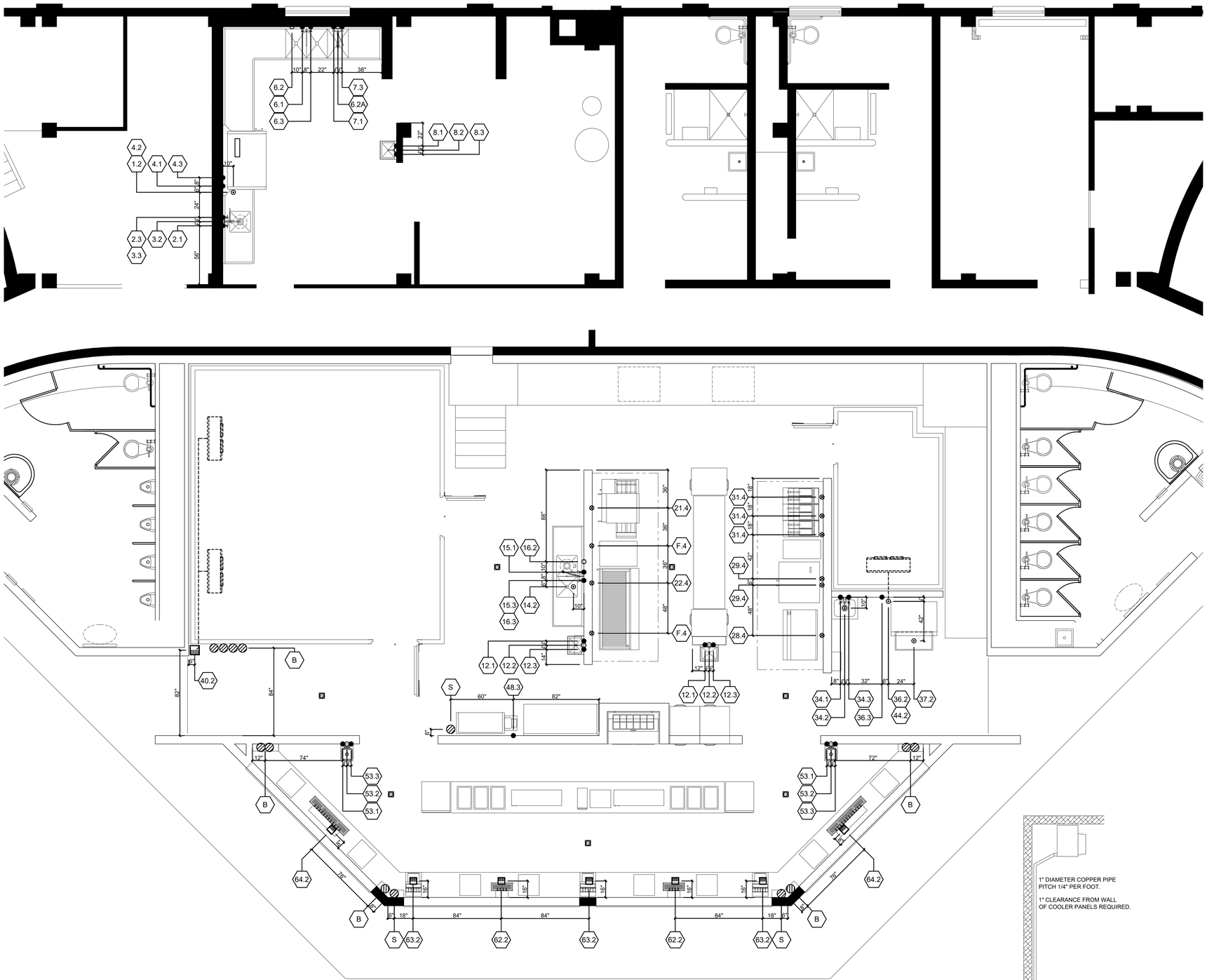
Drawn By: BN

Date: 4-16-18

KEY PLAN

Sheet No:

FS2



1 FOODSERVICE ELECTRICAL ROUGH-IN PLAN - PRELIMINARY

1/4"=1'-0"

PLUMBING CONNECTION SCHEDULE	
1.2	4" HUB DRAIN WITH 6" COLLAR. STUB UP 4" AFF. PC TO CONNECT FROM DRAIN TAIL PIECE TO HUB DRAIN. DO NOT USE PVC FOR HUB DRAIN, COLLAR OR PIPING.
2.1	1/2" HW 14" AFF. PC TO CONNECT TO FAUCET.
2.3	3/4" CW 14" AFF. PC TO CONNECT TO FAUCET AND TO DISPOSER
3.2	2" DW 12" AFF. PC TO CONNECT FROM DISPOSER TO DIRECT WASTE ROUGH-IN.
3.3	CW FROM ROUGH-IN LISTED AS 2.3 PC TO CONNECT SOLENOID VALVE, FLOW CONTROL AND VACUUM BREAKER.
4.1	3/4" HW 12" AFF. - GARDEN HOSE FITTING PC TO CONNECT FROM ROUGH-IN TO DISHWASHER. HOSE PROVIDED BY FEC.
4.2	CONNECT TO HUB DRAIN LISTED AS 1.2 PC TO SECURE DRAIN HOSE OVER HUB DRAIN. HOSE PROVIDED BY FEC.
4.3	1/2" CW 14" AFF. PC TO CONNECT TO DRAIN WATER TEMPERING KIT.
6.1	3/4" HW 14" AFF. PC TO CONNECT TO FAUCET.
6.2	2" DW 12" AFF. PC TO CONNECT FROM 2::SINKS TO DIRECT WASTE.
6.2A	2" DW 12" AFF. PC TO CONNECT FROM SINK TO DIRECT WASTE.
6.3	3/4" HW 14" AFF. PC TO CONNECT TO FAUCET.
7.1	3/4" HW 14" AFF. PC TO CONNECT TO SPRAY AND FILL ASSEMBLY.
7.3	3/4" CW 14" AFF. PC TO BRANCH TO SPRAY AND FILL ASSEMBLY.
8.1	1/2" HW 20" AFF. PC TO CONNECT TO FAUCET.
8.2	1 1/2" DW 18" AFF. PC TO CONNECT SINK DRAIN TO DIRECT WASTE ROUGH-IN.
8.3	1/2" CW 20" AFF. PC TO CONNECT TO FAUCET.
12.1	1/2" HW 20" AFF. - TWO LOCATIONS PC TO CONNECT TO FAUCET.
12.2	1 1/2" DW 18" AFF. - TWO LOCATIONS PC TO CONNECT SINK DRAIN TO DIRECT WASTE ROUGH-IN.
12.3	1/2" CW 20" AFF. - TWO LOCATIONS PC TO CONNECT TO FAUCET.
14.2	3" HUB DRAIN STUB UP 3" AFF. PC TO CONNECT SINK DRAIN AND TWO OVER FLOW CONNECTIONS TO HUB DRAIN.
15.1	1/2" HW 14" AFF. PC TO CONNECT TO FAUCET.
15.3	3/4" CW 14" AFF. PC TO CONNECT TO FAUCET AND DISPOSER.
16.2	2" DW 12" AFF. PC TO CONNECT FROM DISPOSER TO DIRECT WASTE ROUGH-IN.
16.3	CW FROM ROUGH-IN LISTED AS 15.3 PC TO CONNECT SOLENOID VALVE, FLOW CONTROL AND VACUUM BREAKER.
21.4	1 1/2" N. GAS 28" AFF. - 40 MBTU PROVIDE QUICK DISCONNECT FITTING AT ROUGH-IN.
22.4	1" N. GAS 28" AFF. - 308 MBTU PROVIDE QUICK DISCONNECT FITTING AT ROUGH-IN.
28.4	3/4" N. GAS 28" AFF. - 160 MBTU PROVIDE QUICK DISCONNECT FITTING AT ROUGH-IN.
29.4	3/4" N. GAS 28" AFF. - TWO LOCATONS - 60 MBTU EACH PROVIDE QUICK DISCONNECT FITTING AT ROUGH-IN.
31.4	3/4" N. GAS 28" AFF. - THREE LOCATONS - 120 MBTU EACH PROVIDE QUICK DISCONNECT FITTING AT ROUGH-IN.
34.1	3/4" HW 24" AFF. PC TO CONNECT TO FAUCET.
34.2	3" NO HUB TYPE CONNECTION PC TO CONNECT TO SINK DRAIN
34.3	3/4" CW 24" AFF. PC TO CONNECT TO FAUCET.
36.2	3" HUB DRAIN STUB UP 3" AFF. PC TO CONNECT FROM ICE MAKER AND BIN TO HUB DRAIN.
36.3	1/2" CW 66" AFF. PC TO CONNECT THROUGH FILTER TO ICE MAKER. FILTER BY FEC.
37.2	3" NO HUB TYPE CONNECTION PC TO CONNECT TO FLOOR TROUGH TAIL PIECE.
40.2	FLOOR SINK BY PC PC TO CONNECT FROM COILS TO FLOOR SINK USING COPPER PIPING. TRAP DRAIN OUTSIDE OF WALK-IN COOLER.
44.2	CONNECT TO HUB DRAIN LISTED FOR ITEM 36.2 PC TO CONNECT FROM COILS TO HUB DRAIN USING COPPER PIPING. TRAP DRAIN OUTSIDE OF WALK-IN FREE::ER.
48.3	1/2" CW 14" AFF. VERIFY REQUIREMENTS WITH VENDOR.
53.1	1/2" HW 20" AFF. - TWO LOCATIONS PC TO CONNECT TO FAUCET.
53.2	1 1/2" DW 18" AFF. - TWO LOCATIONS PC TO CONNECT SINK DRAIN TO DIRECT WASTE ROUGH-IN.
53.3	1/2" CW 20" AFF. - TWO LOCATIONS PC TO CONNECT TO FAUCET.
62.2	FLOOR SINK BY PC. - TWO LOCATIONS PC TO CONNECT FROM DRAIN TROUGH TO FLOOR SINKS.
63.2	FLOOR SINK BY PC. - THREE LOCATIONS PC TO CONNECT FROM SODA DISPENSER DRAINS TO FLOOR SINKS.
64.2	FLOOR SINK BY PC. - TWO LOCATIONS PC TO CONNECT FROM DRAIN TROUGH TO FLOOR SINKS.
B	PVC CONDUIT FOR BEER DISTRIBUTION OVERHEAD TO S/S CHASE VERIIFY REQUIREMENTS WITH BEER DISTRIBUTION SYSTEM INSTALLER
B	PVC CONDUIT FOR SODA DISTRIBUTION OVERHEAD TO S/S CHASE VERIIFY REQUIREMENTS WITH SODA DISTRIBUTION SYSTEM INSTALLER

PLUMBING SYMBOLS AND NOTES

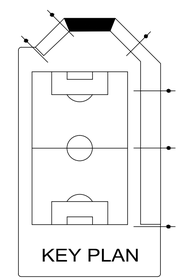
HW	HOT WATER
CW	COLD WATER
DW	DIRECT WASTE
H.D.	HUB DRAIN - INDIRECT WASTE
N. GAS	NATURAL GAS
F.D.	FLOOR DRAIN
	FLOOR SINK
	PVC CONDUIT AND SLEEVE
AFF.	ABOVE FINISHED FLOOR

PLUMBING CONTRACTOR NOTES

1. HEIGHTS LISTED IN CONNECTION SCHEDULE ARE TO CENTER LINE OF ROUGH-IN.
2. CONCEAL ALL ROUGH-IN LOCATIONS IN WALL WHERE POSSIBLE.
3. INSTALL DRAIN LINES TO HUB DRAINS AS REQUIRED BY CODE.
4. REVIEW SECTION 11400 SPECIFICATIONS.
5. COORDINATE REQUIREMENTS FOR SUPPLIER FURNISHED EQUIPMENT.

FEC NOTES

1. FEC TO VERIFY ROUGH-IN LOCATIONS TO ENSURE PROPER QUANTITY AND LOCATIONS. ADVISE CONSULTANT AND ARCHITECT OF ANY REQUIRED CHANGES.
2. FEC TO COORDINATE PLUMBING REQUIREMENTS FOR EXISTING EQUIPMENT WITH PC.



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BREESE STEVENS FIELD

CONCESSIONS BUILDING ADDITION

Project

Proj. No.: 1617.02

FOODSERVICE

PLUMBING AND MECHANICAL ROUGH-IN PLAN

cd phase

Scale: 1/4 = 1'-0"

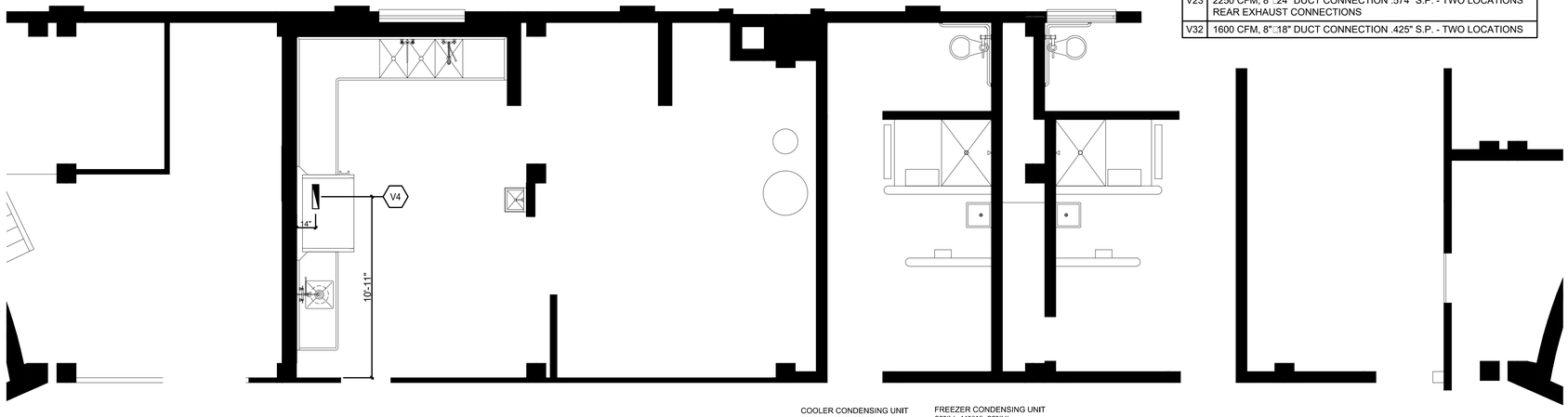
Drawn By: BN

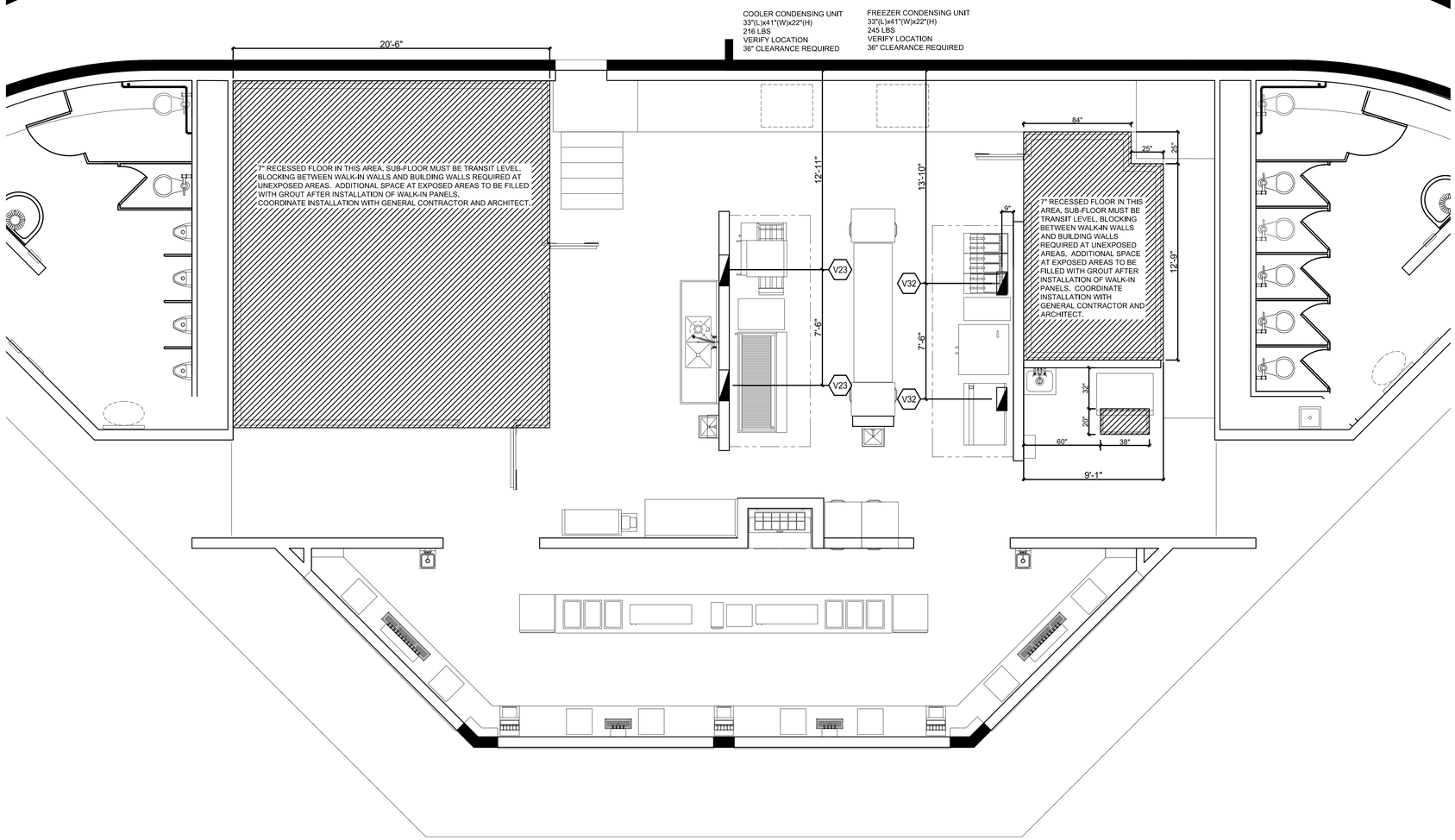
Date: 4-16-18

Sheet No:

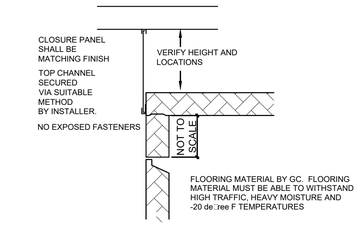
FS3

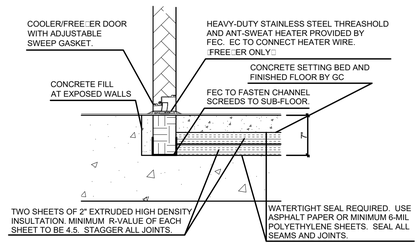
VENTILATION CONNECTION SCHEDULE	
V4	400 CFM, 4"□17" DUCT CONNECTION
V23	2250 CFM, 8"□24" DUCT CONNECTION .574" S.P. - TWO LOCATIONS REAR EXHAUST CONNECTIONS
V32	1600 CFM, 8"□18" DUCT CONNECTION .425" S.P. - TWO LOCATIONS

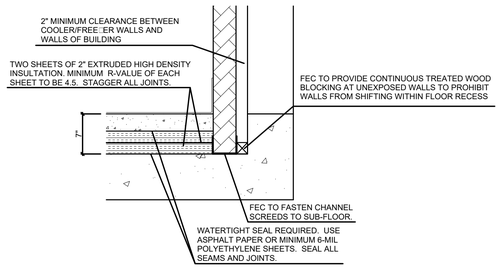




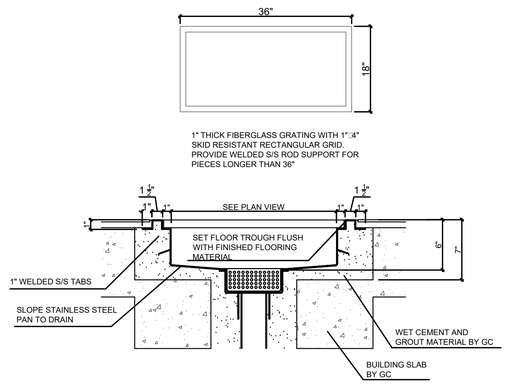
1 FOODSERVICE BUILDING WORKS PLAN - PRELIMINARY
1/4"=1'-0"



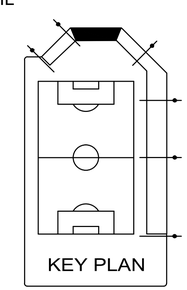




SECTION THROUGH WALK-IN COOLER/FREE□ER



FLOOR TROUGH DETAIL



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BREESE STEVENS FIELD

CONCESSIONS BUILDING ADDITION

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FOODSERVICE
BUILDING WORKS PLAN

cd phase

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Date: 4-16-18

Sheet No:

FS4

FOODSERVICE EQUIPMENT MECHANICAL, ELECTRICAL AND PLUMBING SCHEDULE

ITEM NUMBER	EQUIPMENT DESCRIPTION	QUANTITY	(N)NEW (F)FUTURE (X)EXISTING	VOLTAGE	PHASE	AMPS	KW	HP	DIRECT	PLUG	NEMA NUMBER	ELECTRICAL REMARKS	ITEM NUMBER	COLD WATER	HOT WATER	140° f HOT WATER	HOT WATER GPH	DIRECT DRAIN	INDIRECT DRAIN	GAS SIZE	GAS MBTU	PLUMBING REMARKS	EXHAUST DUCT SIZE	EXHAUST CFM	S.P. WG	HVAC REMARKS
1	SOILED DISH TABLE	1	N										1						2"			PC TO CONNECT DRAIN FROM SCRAP TROUGH TO DISHWASHER HUB DRAIN.				
2	PRE-RINSE SPRAY ASSEMBLY	1	N										2	1/2"	1/2"											
3	DISPOSER	1	N	208	3	6.6	2.4	2.0	X			EC TO CONNECT DISPOSER SOLENOID AND CONTROL PANEL.	3	1/2"				2"				PC TO CONNECT DISPOSER, SOLENOID VALVE, FLOW CONTROL, VACUUM BREAKER AND FIXED NO□□LE.				
4	DISHWASHER	1	N	208	3	58.6	21.2		X			70 AMP CIRCUIT.	4	1/2"	3/4"							120° F HW REQUIRED. FLOW PRESSURE 15-65 PSI. 84 GPH MAX USAGE. CONNECT CW TO DRAIN TEMPERING KIT. SECURE DRAIN HOSE BY FEC OVER HUB DRAIN. EXTEND DRAIN 24" BELOW FINISHED FLOOR PRIOR TO TRAPPING.	4"□17"	400	N/A	
6	3-COMPARTMENT SINK/CLEAN DISH TABLE	1	N										6	3/4"	3/4"			3 @ 2"								
7	SPRAY AND FILL ASSEMBLY	1	N										7	3/4"	3/4"											
8	HAND SINK	1	N										8	1/2"	1/2"			1 1/2"								
10	MOBILE HEATED CABINETS	2	N	115	1	2 @ 16.0	2 @ 1.8			X	5-20P															
12	HAND SINKS	2	N										12	2 @ 1/2"	2 @ 1/2"			2 @ 1 1/2"								
14	WORK TABLE WITH SINKS	1	N										14						2" 2@1 5/8"			PC TO CONNECT OVER FLOW SINK DRAINS AND FROM SINK WITHOUT DISPOSER TO HUB DRAIN AS SHOWN ON PLUMBING ROUGH-IN PLAN.				
15	SPRAY AND FILL ASSEMBLY	1	N										15	1/2"	1/2"											
16	DISPOSER	1	N	208	3	6.6	2.4	2.0	X			EC TO CONNECT DISPOSER SOLENOID AND CONTROL PANEL.	16	1/2"				2"				PC TO CONNECT DISPOSER, SOLENOID VALVE, FLOW CONTROL, VACUUM BREAKER AND FIXED NO□□LE.				
21	IMPINGER OVEN	1	N	115	1	7.0	.8			X	5-15P	EC TO FURNISH AND INSTALL SHUNT TRIP BREAKER. CONNECT TO FIRE SUPPRESION SYSTEM ITEM #24.	21							1 1/2"	40	FEC TO FURNISH FLEXIBLE GAS HOSE, AND GAS PRESSURE REGULATOR TO PC FOR INSTALLATION. PROVIDE QUICK DISCONNECT FITTING AT ROUGH-IN.				
22	CHAR-BROILER	1	N										22							1"	306	FEC TO FURNISH FLEXIBLE GAS HOSE, AND GAS PRESSURE REGULATOR TO PC FOR INSTALLATION. PROVIDE QUICK DISCONNECT FITTING AT ROUGH-IN.				
23	EXHAUST HOOD	1	N	115	1	4.0			X			POWER SHOWN IS FOR EXHAUST HOOD LIGHTS ONLY. FAN REQUIREMENTS ARE TO BE DETERMINED BYFAN SUPPLIER. EC TO FURNISH AND INSTALL FAN AND LIGHT SWITCHES. EC TO CONNECT TO EXHAUST FAN AND TO HOOD.	23										2 @ 8"□24"	4500 TOTAL	.574"	S.P. IS AT DUCT COLLAR.
24	FIRE SUPPRESSION SYSTEM	1	N									EC TO FURNISH AND INSTALL SHUNT TRIP BREAKERS FOR ALL ELECTRICAL CONNECTIONS BELOW HOOD. EC TO PROVIDE J-BOX FOR PASSAGE OF WIRING FROM ALL CONNECTIONS TO FIRE SUPPRESSION SYSTEM.	24									FEC TO FURNISH MECHANICAL SHUT-OFF VALVE TO PC FOR INSTALLATION.				
25	PASS-THROUGH FREE□ER	1	N	115	1	7.6	.9			X	5-15P															
27	PASS-THROUGH REFRIGERATOR	1	N	115	1	6.9	.8			X	5-15P															
28	GRIDDLE	1	N										28							3/4"	160	FEC TO FURNISH FLEXIBLE GAS HOSE, AND GAS PRESSURE REGULATOR TO PC FOR INSTALLATION. PROVIDE QUICK DISCONNECT FITTING AT ROUGH-IN.				
29	CONVECTION OVENS	STACK OF 2	N	115	1	2 @ 3.5	2 @ .5			X	5-15P	EC TO FURNISH AND INSTALL SHUNT TRIP BREAKER. CONNECT TO FIRE SUPPRESION SYSTEM ITEM #33.	29							2 @ 3/4"	2 @ 60	FEC TO FURNISH FLEXIBLE GAS HOSE, AND GAS PRESSURE REGULATOR TO PC FOR INSTALLATION. PROVIDE QUICK DISCONNECT FITTING AT ROUGH-IN.				
31	FRYERS	3	N										31							3 @ 3/4"	3 @ 120	FEC TO FURNISH FLEXIBLE GAS HOSE, AND GAS PRESSURE REGULATOR TO PC FOR INSTALLATION. PROVIDE QUICK DISCONNECT FITTING AT ROUGH-IN.				
32	EXHAUST HOOD	1	N	115	1	4.0			X			POWER SHOWN IS FOR EXHAUST HOOD LIGHTS ONLY. FAN REQUIREMENTS ARE TO BE DETERMINED BYFAN SUPPLIER. EC TO FURNISH AND INSTALL FAN AND LIGHT SWITCHES. EC TO CONNECT TO EXHAUST FAN AND TO HOOD.	32										2 @ 8"□18"	3200 TOTAL	.425"	S.P. IS AT DUCT COLLAR.
33	FIRE SUPPRESSION SYSTEM	1	N									EC TO FURNISH AND INSTALL SHUNT TRIP BREAKERS FOR ALL ELECTRICAL CONNECTIONS BELOW HOOD. EC TO PROVIDE J-BOX FOR PASSAGE OF WIRING FROM ALL CONNECTIONS TO FIRE SUPPRESSION SYSTEM.	33									FEC TO FURNISH MECHANICAL SHUT-OFF VALVE TO PC FOR INSTALLATION.				
34	MOP SINK	1	N										34	3/4"		3/4"		3"				140° F HOT WATER RECOMMENDED.				
36	ICE MAKER WITH BIN	1	N	115	1	11.8	1.4		X				36	1/2"					2 @ 3/4"			20 - 80 PSI FLOWING. PC TO FURNISH WATTS SD3 BACK FLOW PREVENTOR. FEC TO PROVIDE WATER FILTER TO PC FOR INSTALLATION.				
37	FLOOR TROUGH	1	N										37						3"			PROVIDE 3" NO-HUB TYPE CONNECTION. TAIL PIECE BY FEC.				
40	WALK-IN COOLER	1	N																							
	A□DOOR PANEL	1	N	115	1	5.4	.4		X			EC TO WIRE TO DOOR PANEL CONNECTION POINT.														
	LIGHTS	1	N	115	1	.4 4.0	.2		X			EC TO CONNECT VAPOR PROOF LIGHT FIXTURE AND TO LED FIXTURES.														
	ALARM	1	N	115	1	1.0	.1					PRE-WIRED TO DOOR PANEL CONNECTION POINT BY MANUFACTURER.														
	B□EVAPORATOR COILS	2	N	115	1	2 @ 1.6	2 @ .3		X			EC TO WIRE FROM J-BOX TO COIL CONNECTIONS.	40						2 @ 1"			PC TO USE COPPER PIPE TO CONNECT CONDENSATE DRAIN FROM EVAPORATOR COIL DRAIN TO BE TRAPPED OUTSIDE OF WALK-IN COOLER/FREE□ER.				
	C□CONDENSING UNIT	1	N	208	3	RLA 15.2	5.5		X			LRA: 93.0 AMPS, MOPD: 35 AMPS. EC TO CONNECT TO COIL.														
	D□UTILITY OUTLET	1	N	115	1	16.0			X			EC TO FURNISH AND INSTALL A G.F.C.I. DUPLEX OUTLET IN AN OUTDOOR WEATHER-PROOF ENCLOSURE.														
41	BEER DISTRIBUTION SYSTEMS	2	N	115	1	2 @ 10.5	2 @ 1.2		X			VERIFY REQUIREMENTS WITH VENDOR.														
44	WALK-IN FREE□ER	1	N																							
	A□DOOR PANEL	1	N	115	1	5.4	.5		X			EC TO WIRE TO DOOR PANEL CONNECTION POINT.														
	LIGHT	1	N	115	1	.4 3.0	.3		X			EC TO CONNECT VAPOR PROOF LIGHT FIXTURE AND TO LED FIXTURES.														
	HEATED AIR VENT	1	N	115	1	.1	.1					PRE-WIRED TO DOOR PANEL CONNECTION POINT BY MANUFACTURER.														
	ALARM	1	N	115	1	1.0	.1					PRE-WIRED TO DOOR PANEL CONNECTION POINT BY MANUFACTURER.														
	HEATER WIRE	1	N	115	1	.9	.1					PRE-WIRED TO DOOR PANEL CONNECTION POINT BY MANUFACTURER.														
	B□EVAPORATOR COIL	1	N	208	1	10.8	2.5		X			EC TO WIRE FROM J-BOX TO COIL CONNECTION.	44						1"			PC TO USE COPPER PIPE TO CONNECT CONDENSATE DRAIN FROM EVAPORATOR COIL DRAIN TO BE TRAPPED OUTSIDE OF WALK-IN COOLER/FREE□ER.				
	C□CONDENSING UNIT	1	N	208	3	RLA 9.6	3.5		X			LRA 77.0 AMPS, MOPD: 20 AMPS. EC TO CONNECT TO COIL.														
	D□UTILITY OUTLET	1	N	115	1	16.0	1.8		X			EC TO FURNISH AND INSTALL A G.F.C.I. DUPLEX OUTLET IN AN OUTDOOR WEATHER-PROOF ENCLOSURE.														
48	SODA DISTRIBUTION SYSTEM	1	BY VENDOR	115	1	6.5	.8			X	5-15P	VERIFY REQUIREMENTS WITH VENDOR.	48	1/2"								VERIFY REQUIREMENTS WITH VENDOR.				
51	PASS-THROUGH HEATED CABINET	1	N	115/ 208	1	7.8	1.5		X			EC TO CONNECT TO J-BOX														
52	PASS-THROUGH HEATED CABINET	1	N	115/ 208	1	7.8	1.5		X			EC TO CONNECT TO J-BOX														
53	HAND SINKS	2	N										53	2 @ 1/2"	2 @ 1/2"			2 @ 1 1/2"								
55	COLD TOP REFRIGERATOR	1	N	115	1	13.0	1.5			X	5-15P															
56	BEVERAGE REFRIGERATORS	2	N	115	1	2 @ 8.5	2 @ 1.0			X	5-15P	EC TO WIRE FROM ROUGH-IN TO OUTLET LOCATED ON ITEM 54 BY MANUFACTURER.														
57	FOOD WARMERS	6	N	120	1	6 @ 8.3	6 @ 1.0			X	5-15P	EC TO WIRE FROM ROUGH-IN TO OUTLET LOCATED ON ITEM 54 BY MANUFACTURER.														
58	HEAT LAMPS	2	N	115	1	2 @ 14.8	2 @ 1.7			X	5-15P	EC TO WIRE FROM ROUGH-IN TO OUTLET LOCATED ON ITEM 54 BY MANUFACTURER.														
59	CHEESE DISPENSER	1	N	115	1	7.0	.9			X	5-15P	EC TO WIRE FROM ROUGH-IN TO OUTLET LOCATED ON ITEM 54 BY MANUFACTURER.														
60	POPCORN MAKER	1	N	115	1	13.8	1.4			X	5-15P	EC TO WIRE FROM ROUGH-IN TO OUTLET LOCATED ON ITEM 54 BY MANUFACTURER.														
61	P.O.S. STATIONS	8	N	115	1	8 @ 10.0	8 @ 1.2			X	5-15P															
	A. COMMUNICATION LINES	8	N									CONDUIT AND RECEPTACLES FOR DATA LINES. VERIFY REQUIREMENTS WITH P.O.S. SYSTEM SUPPLIER AND OWNER.														
62	BEER DISPENSERS	2	N										62						2 @ 1/2"							
63	SODA DISPENSERS	3	N	115	1	3 @ 6.0	3 @ .7			X	5-15P		63						3 @ 1/2"							
64	BEER DISPENSERS	2	N										64						2 @ 1/2"							
	GENERAL PURPOSE OUTLETS	6	N	115	1	6 @ 16.0	6 @ 1.8		X			EC TO FURNISH AND INSTALL SIX GFCI DUPLEX OUTLETS MOUNTED ON WALL AS SHOWN ON ELECTRICAL ROUGH-IN PLAN.														
	GENERAL PURPOSE OUTLETS	4	N	115	1	6 @ 16.0	6 @ 1.8		X			EC TO FURNISH AND INSTALL SIX GFCI DUPLEX OUTLETS. EC TO FURNISH AND INSTALL SHUNT TRIP BREAKERS .CONNECT TO FIRE SUPPRESSION SYSTEMS.														
	CORD DROP OUTLETS	3	N	115	1	3 @ 16.0	3 @ 1.8		X			EC TO FURNISH AND INSTALL THREE GFCI DUPLEX OUTLETS CORD DROPS IN LOCATIONS SHOWN ON DRAWINGS.														

ISTHMUS
ARCHITECTURE, INC.

□13 □ ll□a□ □on Street
S□te 203
Mad□on□□ I 53703

BREESE STEVENS FIELD

CONCESSIONS
BUILDING ADDITION

Project

Proj. No.: 1617.02

FOODSERVICE
MECHANICAL, ELECTRICAL AND PLUMBING SCHEDULE

cd phase

Scale: 1/4 = 1'-0"

Drawn By: BN

Date: 4-16-18

Sheet No:

FS5

STAINLESS STEEL CUSTOM FABRICATION

12 GAUGE: HARDWARE REINFORCEMENT
14 GAUGE: TOPS, SINKS, DRAINBOARDS, BRACKETS AND SLANTING RACK SHELVES.
16 GAUGE UNDERSHELVES, OVERSHELVES, DRAWER FRONTS, PANELS, AND DOORS
18 GAUGE CABINET BODIES, DRAWER PANS, APRONS, TRIM STRIPS AND WALL COVERING

1 ¾" O.D. 16 GAUGE TYPE 304 STAINLESS STEEL TUBING TABLE LEGS AND FRAMES. CONTINUOUSLY WELD CROSSBRACING. PROVIDE FLANGE SECURED WITH S/S SCREWS WHERE CROSSRAILS JOIN CABINET BODY.

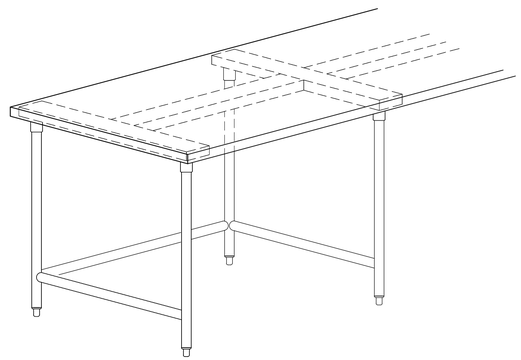
LEG SOCKETS TO BE S/S WITH SET SCREWS FOR SECURING LEGS. FULLY WELD LEG SOCKETS TO CHANNELS OR SOCKET PLATES.

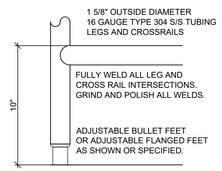
REINFORCE TOPS WITH 12 GAUGE STAINLESS STEEL, WELDED GALVANI□ED OR PAINTED ANGLE IRON HAT CHANNELS OR U-CHANNELS. PROVIDE REINFORCEMENT LENGTHWISE AND AT 30" O.C. AND AT TABLE LEGS. FULLY WELD ALL INTERSECTIONS. NO TACK WELDING OF TABLE REINFORCEMENT ALLOWED.

FASTEN TOPS TO BASES WITH WELDED STUDS AND LOCKING CHROME ACORN NUTS.

1 ½" □4" 14 GA. CHANNEL. CLOSE ENDS WHERE□ EXPOSED.

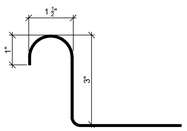
NOTE: WHERE CONTINUOUS WELDED JOINT ARE REQUIRED, WELDS ARE TO BE GROUND AND POLISHED SO THAT NO EVIDENCE OF WELD IS VISIBLE ON FINISHED SIDE. ALL GRAIN TO RUN IN THE SAME DIRECTION.





LEG AND CROSS RAIL DETAIL

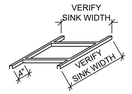
STANDARD TABLE EDGE



ROLLED RIM

14 GAUGE S/S H-FRAME FABRICATE USING 1" SQUARE CHANNELS

1/2" □1/2" S/S RODS WELDED TO SINK TO SUPPORT H-FRAME

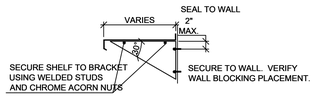


H-FRAME DETAIL

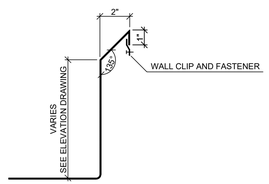
TACK WELD ROTARY DRAIN BRACKET TO SINK BOWL. TWO WELDS REQUIRED AT ALL SIDES.

DIE STAMP BOTTOM OF SINK TO ENSURE DRAIN FLANGE IS FLUSH WITH BOTTOM OF SINK

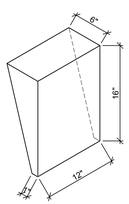
ROTARY DRAIN BRACKET DETAIL



WALL SHELF DETAIL

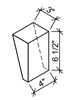


BACK SPLASH DETAIL



14 GAUGE S/S DISPOSER CONTROL BRACKET. MOUNT 6" FROM LEADING EDGE OF TABLE. WELD TO UNDERSIDE OF TABLE.
VERIFY SI□E WITH DISPOSER MANUFACTURER.

DISPOSER BRACKET DETAIL



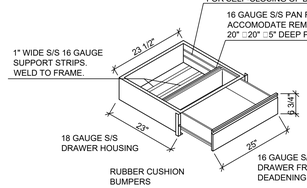
ELECTRICAL OUTLET MOUNTING BRACKET. WELD BRACKET TO CHANNEL BRACING 3" FROM LEADING EDGE OF TABLE. EC TO MOUNT OUTLET BOX TO BRACKET.

OUTLET BRACKET DETAIL

INSTALL COMPONENT HARDWARE SERIES S52 OR EQUAL HEAVY-DUTY DRAWER SLIDES AT 1/2" PER 12" ANGLE FOR SELF-CLOSING OF DRAWER

16 GAUGE S/S PAN FRAME TO ACCOMODATE REMOVABLE 20" □20" □5" DEEP PAN

1" WIDE S/S 16 GAUGE SUPPORT STRIPS. WELD TO FRAME.



18 GAUGE S/S DRAWER HOUSING

RUBBER CUSHION BUMPERS

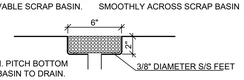
16 GAUGE S/S DOUBLE PAN DRAWER FRONT WITH SOUND DEADENING INSULATION.

DRAWER FRONT TO EXTEND BEYOND DRAWER HOUSING FRAME

DRAWER DETAIL

1 3/4" DEEP S/S PERFORATED REMOVABLE SCRAP BASIN.

DISH RACK MUST SLIDE SMOOTHLY ACROSS SCRAP BASIN



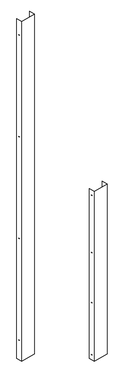
1 1/2" DRAIN. PITCH BOTTOM OF SCRAP BASIN TO DRAIN.

3/8" DIAMETER S/S FEET

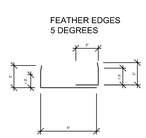
DISH TABLE SCRAP BASKET DETAIL

18 GAUGE TYPE 304 S/S #4 FINISH
VERTICAL GRAIN
GRIND AND POLISH ALL EDGES
NO SHARP CORNERS OR BURRS ALLOWED

5/16" O.C. HOLES FOR ROUND HEAD SCREWS (8) LOCATIONS



FEATHER EDGES 5 DEGREES

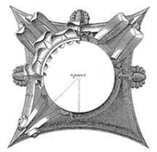


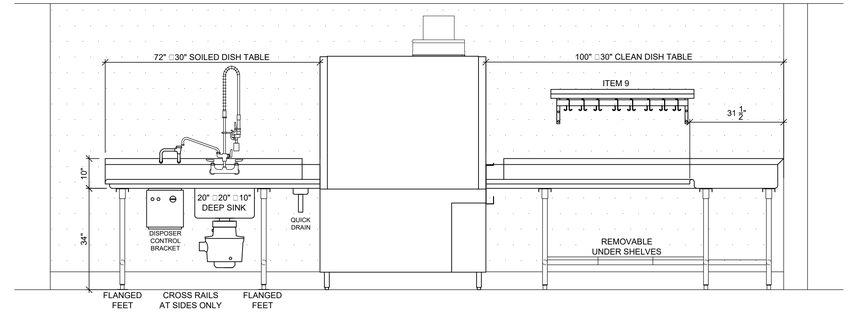
ELEVATION FOR
ITEM 45 WALL CAPS □SIX REQUIRED□

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

ISTHMUS
ARCHITECTURE, INC.

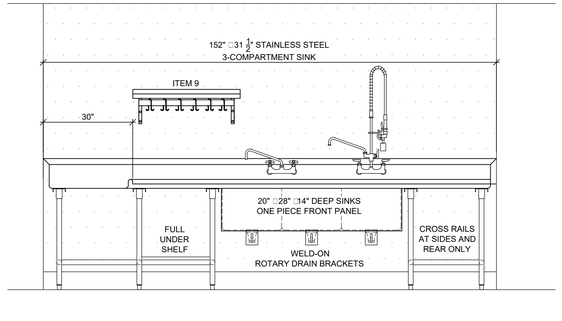
□13 □ □ll□a□ □on Street
S□te 203
Mad□□on□□ I 53703





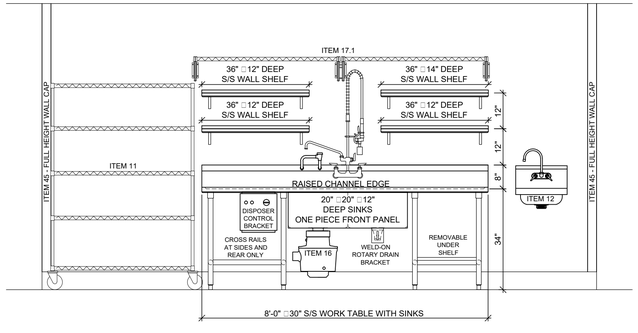
ELEVATION FOR
ITEM 1 SOILED DISH TABLE

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



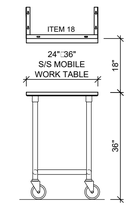
ELEVATION FOR
ITEM 6 CLEAN DISH TABLE/3-COMPARTMENT SINK

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



ELEVATIONS FOR ITEM 14 WORK TABLE WITH SINKS AND ITEM 17 WALL SHELVES □FOUR REQUIRED

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



ELEVATION FOR
ITEM 20 WORK TABLE

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

BREESE STEVENS FIELD

CONCESSIONS BUILDING ADDITION

Project
Proj. No.: 1617.02

FOODSERVICE

ELEVATIONS AND DETAILS

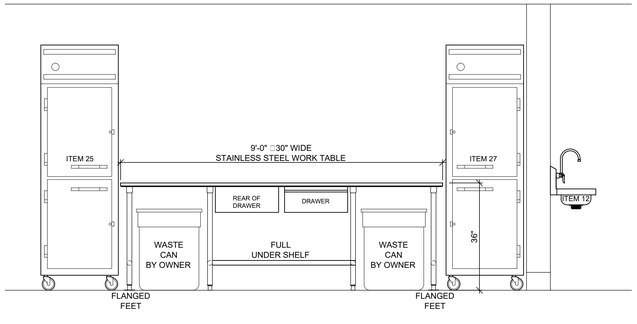
cd phase

Scale: 1/4 = 1'-0"
Drawn By: BN

Date: 4-16-18

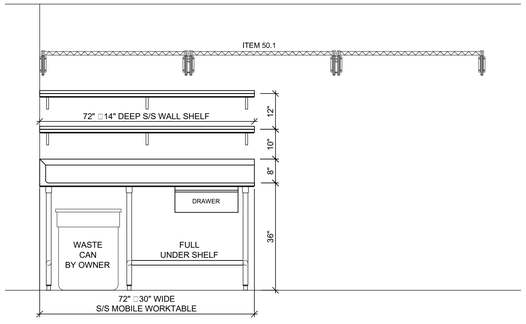
Sheet No:

FS6



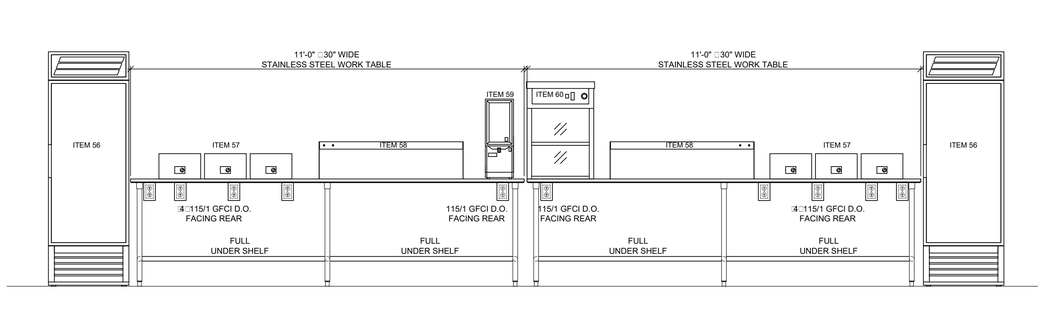
ELEVATION FOR
ITEM 28 WORK TABLE

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



ELEVATION FOR ITEM 49 WORK TABLE AND ITEM 50 WALL SHELVES □TWO REQUIRED□

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



ELEVATIONS FOR
ITEM 54 SERVING COUNTER □TWO REQUIRED□

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