

PROJECT ADDRESS:

Midway Airport
5700 S. Cicero
Chicago, IL 60638

CDA PROJECT NO: M9185.12
M+M PROJECT NO: 15-0402
DOB PROJECT NO: D16053-01

ISSUED FOR PERMIT
DATE - 12/02/2016



Chicago Department of Aviation
Midway Airport
Passenger Security Checkpoint Expansion



MIDWAY INTERNATIONAL AIRPORT
CITY OF CHICAGO
5700 S. Cicero
Chicago, IL 60638
MAYOR RAHM EMANUEL
COMMISSIONER GINGER S. EVANS

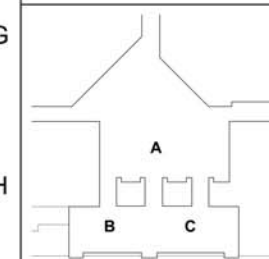


MULLER+MULLER
700 N Sangamon St
Chicago, IL 60642
Telephone: 312.432.4180

JACOBS
525 W. Monroe Suite 200
Chicago, Illinois 60661
Telephone: 312.251.3000

db | HMS
303 W Erie St #510
Chicago, IL 60654
Telephone: 312.915.0557

MATRIX
Matrix Engineering Corporation
33 W Jackson Blvd., 4th Floor
Chicago, IL 60604
Telephone: 312.427.1200



KEY PLAN

MARK	DATE	ISSUANCE
1	12/27/2016	ISSUED FOR BID

MIDWAY AIRPORT PASSENGER SECURITY CHECKPOINT EXPANSION

DESIGNED: D.S. DRAWN: M.F. CHECKED: K.Z.

ISSUE: **ISSUED FOR BID**

PROJECT NO.: M9185.12

DATE: DECEMBER 27, 2016

SHEET TITLE:

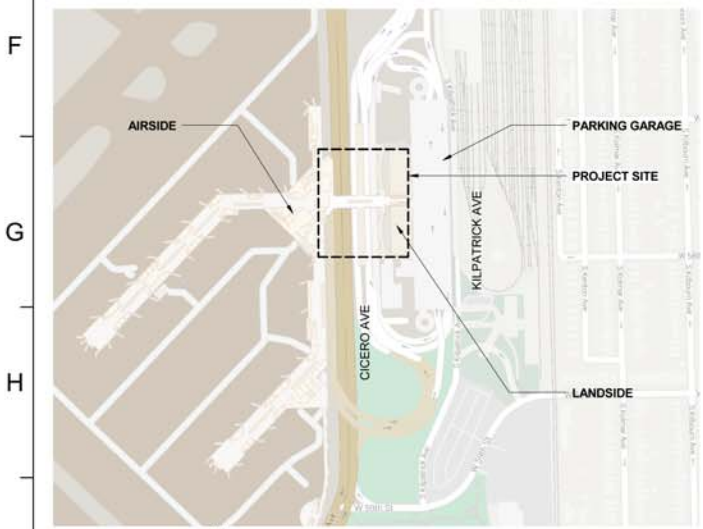
COVER SHEET

REVISION SHEET NO:

G-001



LOCATION MAP



SITE MAP

DIGGER NOTICE - C.U.A.N. INFORMATION FOR UNDERGROUND UTILITY LOCATIONS. THE CONTRACTOR SHALL CALL DIGGER (CHICAGO UTILITY NETWORK) AT 312-744-7000, 48 HOURS PRIOR TO CONSTRUCTION.



ARCHITECT:
MULLER+MULLER
700 N SANGAMON CHICAGO, IL 60642
T: 312.432.4180 F: 312.432.4184
G-SERIES A-SERIES AD-SERIES
MARK M. STROMBERG
001-017758
EXPIRES: 11/30/2018

SIGNED: Mark M. Stromberg, AIA
LICENSE: 001-017758
EXPIRES: 11/30/2018
DATE: 12/02/2016



CERTIFICATIONS:

THE ORDINANCES AND CODES REFERENCED IN THIS SET WERE UTILIZED BY MULLER & MULLER, LTD. (M&M) AND ITS CONSULTANTS IN PREPARING THE DRAWINGS WHICH FOLLOW. M&M CAN NOT CATEGORICALLY STATE THAT THESE CODES ARE THE ONLY CODES WHICH MIGHT APPLY TO THIS PROJECT NOR THAT ALL INTERPRETATIONS OF THE CODES CONTAINED HEREIN WILL BE ACCEPTABLE BY THE BUILDING OFFICIALS HAVING JURISDICTION.
I HAVE PREPARED OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS, AND STATE THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH THE ENVIRONMENTAL BARRIERS ACT (ILLINOIS REV. STAT. 1965, ch. 111 1/2 pars. 3711 et seq as amended) AND "THE ILLINOIS ACCESSIBILITY CODE" 71 ILLINOIS ADMINISTRATIVE CODE 400.
THIS IS TO CERTIFY THAT THESE DRAWINGS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF ARE IN COMPLIANCE WITH ALL CODES AND BUILDING ORDINANCES OF THE CITY OF CHICAGO, STATE OF ILLINOIS.

SIGNED: Mark M. Stromberg, AIA
LICENSE: 001-017758
EXPIRES: 11/30/2018
DATE: 12/02/2016

STRUCTURAL - BUILDING:
33 W JACKSON BLVD FL. 4 CHICAGO, IL 60604
T: 312.427.1200
S-SERIES
MAYNARD S. BHINDER
REGISTERED STRUCTURAL ENGINEER
STATE OF ILLINOIS
EXPIRES: 11-30-2017

SIGNED: M. BHINDER S.E.
LICENSE: 081-005665
EXPIRES: 11/30/2018
DATE: 12/02/2016

STRUCTURAL - BRIDGE:
525 W MONROE ST STE 1600 CHICAGO, IL 60661
T: 312.251.3000
SB-SERIES
JENNIFER S. DRAKE
REGISTERED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
EXPIRES: 11/30/2018

SIGNED: Jennifer S. Drake S.E.
LICENSE: 081-006520
EXPIRES: 11/30/2018
DATE: 12/02/2016

CIVIL:
525 W MONROE ST STE 1600 CHICAGO, IL 60661
T: 312.251.3000
C-SERIES AP-200 TO AP-221
CARL ERIC LARSON
REGISTERED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
EXPIRES: 11/30/2017

SIGNED: Carl Eric Larson P.E.
LICENSE: 062-061236
EXPIRES: 11/30/2017
DATE: 12/02/2016

ACCESSIBILITY COMPLIANCE STATEMENT:
THIS CERTIFIES THAT THESE DRAWINGS HAVE BEEN REVIEWED AND TO THE BEST OF MY KNOWLEDGE I BELIEVE THEY ARE IN ACCORDANCE WITH AMERICANS WITH DISABILITIES ACT (ADA) AND ALL CODES AND BUILDING ORDINANCES OF THE CITY OF CHICAGO AND THE STATE OF ILLINOIS.

SIGNED: Mark M. Stromberg, AIA
LICENSE: 001-017758
EXPIRES: 11/30/2018
DATE: 12/02/2016

MECHANICAL, ELECTRICAL, PLUMBING:
303 W ERIE ST STE 510 CHICAGO, IL 60654
T: 312.915.0557
M-SERIES E-SERIES P-SERIES FP-SERIES
BENJAMIN A. RUBACH
REGISTERED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
EXPIRES: 11/30/2017

SIGNED: Benjamin Rubach P.E.
LICENSE: 062-061740
EXPIRES: 11/30/2017
DATE: 12/02/2016

ENERGY CONSERVATION CODE COMPLIANCE STATEMENT:
I CERTIFY THAT I AM A REGISTERED ENERGY PROFESSIONAL (REP). I ALSO CERTIFY THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF THE ATTACHED PLANS FOR 5700 S CICERO, CHICAGO, IL 60638, FULLY COMPLY WITH THE REQUIREMENTS OF CHAPTER 18-13, ENERGY CONSERVATION OF THE MUNICIPAL CODE OF CHICAGO.

SIGNED: Benjamin Rubach P.E.
LICENSE: 062-061740
EXPIRES: 11/30/2017
DATE: 12/02/2016

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CITY OF CHICAGO
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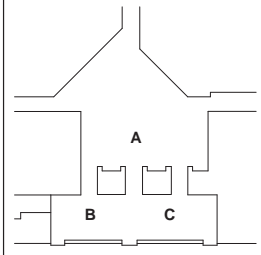


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KEY PLAN

MARK	DATE	ISSUANCE
1	12/27/2016	ISSUED FOR BID

PROJECT NAME:
MIDWAY AIRPORT PASSENGER SECURITY CHECKPOINT EXPANSION

DESIGNED: D.S. DRAWN: M.F. CHECKED: K.Z.

ISSUE:
ISSUED FOR BID

PROJECT NO.: M9185.12
DATE: DECEMBER 27, 2016

SHEET TITLE:
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REVISION SHEET NO.
G-002

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W-107-5	BRIDGE LEVEL - SIGN SCHEDULE 3
W-107-6	BRIDGE LEVEL - SIGN SCHEDULE 4
W-108-1	BRIDGE LEVEL - AREA B/C SIGN LOCATOR PLAN
W-108-2	BRIDGE LEVEL - SIGN SCHEDULE 5
W-108-3	BRIDGE LEVEL - SIGN SCHEDULE 6
W-111-1	TICKETING LEVEL - AREA B/C SIGN LOCATOR PLAN
W-111-2	TICKETING LEVEL - SIGN SCHEDULE 1
W-111-3	TICKETING LEVEL - SIGN SCHEDULE 2
W-501	SIGN DETAILS - 1
W-502	SIGN DETAILS - 2
W-503	SIGN DETAILS - 3
W-504	SIGN DETAILS - 4
W-505	SIGN DETAILS - 5
W-506	SIGN DETAILS - 6
W-507	SIGN DETAILS - 7
W-508	SIGN DETAILS - 8
W-509	SIGN DETAILS - 9
W-510	SIGN DETAILS - 10
W-511	SIGN DETAILS - 11

MECHANICAL

M-001	MECHANICAL SYMBOLS, NOTES & ABBREVIATIONS
MD-102	BASEMENT LEVEL - AREA B & C - MECHANICAL DEMOLITION
MD-105	BAGGAGE LEVEL - AREA B & C - MECHANICAL DEMOLITION
MD-107	BRIDGE LEVEL PLAN - AREA A - MECHANICAL DEMOLITION
MD-108	BRIDGE LEVEL PLAN - AREA B & C - MECHANICAL DEMOLITION
MD-110	TICKETING LEVEL - AREA A - MECHANICAL DEMOLITION
MD-111	TICKETING LEVEL - AREA B & C - MECHANICAL DEMOLITION
MD-112	ROOF LEVEL - AREA A - MECHANICAL DEMOLITION
MD-300	MECHANICAL DEMOLITION - ENLARGED PLAN
M-002	CITY OF CHICAGO SCHEDULES
M-003	CITY OF CHICAGO SCHEDULES
M-102	BASEMENT LEVEL - AREA B & C - MECHANICAL DUCTWORK
M-104	BAGGAGE LEVEL PLAN - AREA A - MECHANICAL DUCTWORK
M-105	BAGGAGE LEVEL PLAN - AREA B & C - MECHANICAL DUCTWORK
M-107	BRIDGE LEVEL PLAN - AREA A - MECHANICAL DUCTWORK
M-108	BRIDGE LEVEL PLAN - AREA B & C - MECHANICAL DUCTWORK
M-110	TICKETING LEVEL PLAN - AREA A - MECHANICAL DUCTWORK
M-112	ROOF LEVEL PLAN - AREA A - MECHANICAL DUCTWORK
M-202	BASEMENT LEVEL - AREA B & C - MECHANICAL PIPING
M-204	BAGGAGE LEVEL - AREA A - MECHANICAL PIPING
M-205	BAGGAGE LEVEL - AREA B & C - MECHANICAL PIPING
M-207	BRIDGE LEVEL - AREA A - MECHANICAL PIPING
M-208	BRIDGE LEVEL - AREA B & C - MECHANICAL PIPING
M-210	TICKETING LEVEL - AREA A - MECHANICAL PIPING
M-211	TICKETING LEVEL - AREA B & C - MECHANICAL PIPING
M-300	ENLARGED MECHANICAL PLANS
M-301	ENLARGED MECHANICAL PLANS
M-302	ENLARGED MECHANICAL PLANS
M-303	ENLARGED MECHANICAL PLANS
M-304	ENLARGED MECHANICAL PLANS
M-305	ENLARGED MECHANICAL PLANS
M-306	ENLARGED MECHANICAL PLANS
M-307	ENLARGED MECHANICAL PLAN
M-308	ENLARGED MECHANICAL PLAN
M-310	ENLARGED MECHANICAL DIAGRAMS
M-400	MECHANICAL RISER DIAGRAMS - AIRSIDE
M-401	MECHANICAL RISER DIAGRAMS - AIRSIDE
M-402	MECHANICAL RISER DIAGRAMS - AIRSIDE
M-410	MECHANICAL RISER DIAGRAMS - HEATING
M-411	MECHANICAL RISER DIAGRAMS - CHILLED WATER
M-412	MECHANICAL RISER DIAGRAMS - CHILLED WATER
M-500	MECHANICAL SCHEDULES
M-501	MECHANICAL SCHEDULES
M-502	MECHANICAL SCHEDULES
M-600	MECHANICAL DETAILS
M-601	MECHANICAL DETAILS
M-602	MECHANICAL DETAILS
M-603	MECHANICAL DETAILS
M-604	MECHANICAL DETAILS
M-700	CONTROLS LEGEND
M-701	CONTROLS NETWORK
M-702	AHU-44 CONTROLS
M-703	AHU-45 CONTROLS
M-704	AHU-46 CONTROLS
M-705	VAV CONTROLS
M-706	FIN TUBE CONTROLS
M-707	MISC CONTROLS

ELECTRICAL

E-001	ELECTRICAL SYMBOLS & ABBREVIATIONS
ED-104	BAGGAGE LEVEL PLAN - AREA A - POWER DEMOLITION
ED-105	BAGGAGE LEVEL PLAN - AREA B & C - POWER DEMOLITION
ED-107	BRIDGE LEVEL PLAN - AREA A - POWER DEMOLITION
ED-108	BRIDGE LEVEL PLAN - AREA B & C - POWER DEMOLITION
ED-110	TICKETING LEVEL PLAN - AREA A - POWER DEMOLITION
ED-111	TICKETING LEVEL PLAN - AREA B & C - POWER DEMOLITION
E-002	ELECTRICAL NOTES
E-101	BASEMENT LEVEL - AREA A - POWER
E-102	BASEMENT LEVEL - AREA B & C - POWER
E-104	BAGGAGE LEVEL PLAN - AREA A - POWER
E-105	BAGGAGE LEVEL PLAN - AREA B & C - POWER
E-107	BRIDGE LEVEL PLAN - AREA A - POWER
E-108	BRIDGE LEVEL PLAN - AREA B & C - POWER
E-110	TICKETING LEVEL PLAN - AREA A - POWER
E-112	ROOF LEVEL PLAN - AREA A - POWER
E-204	BAGGAGE LEVEL RCP - AREA A - LIGHTING
E-205	BAGGAGE LEVEL RCP - AREA B & C - LIGHTING
E-207	BRIDGE LEVEL RCP - AREA A - LIGHTING
E-208	BRIDGE LEVEL RCP - AREA B & C - LIGHTING
E-210	TICKETING LEVEL PLAN - AREA A - LIGHTING
E-300	ENLARGED ELECTRICAL PLANS
E-301	ENLARGED ELECTRICAL PLANS
E-302	ENLARGED ELECTRICAL PLANS
E-400	ELECTRICAL RISER DIAGRAMS
E-500	ELECTRICAL SCHEDULES - POWERED EQUIPMENT
E-501	ELECTRICAL SCHEDULES - POWERED EQUIPMENT
E-502	ELECTRICAL SCHEDULES - POWERED EQUIPMENT
E-510	ELECTRICAL SCHEDULES - PANEL SCHEDULES
E-511	ELECTRICAL SCHEDULES - PANEL SCHEDULES
E-512	ELECTRICAL SCHEDULES - PANEL SCHEDULES
E-520	LIGHTING SCHEDULES
E-521	LIGHTING CONTROL SCHEDULES
E-530	LIGHTING CONTROL DIAGRAM
E-600	ELECTRICAL DETAILS
E-601	ELECTRICAL DETAILS

PLUMBING

P-001	PLUMBING SYMBOLS, NOTES & ABBREVIATIONS
PD-104	BAGGAGE LEVEL - AREA A - PLUMBING DEMOLITION
PD-107	BRIDGE LEVEL - AREA A - PLUMBING DEMOLITION
PD-112	ROOF LEVEL - AREA A - PLUMBING DEMOLITION
P-102	BASEMENT LEVEL PLAN - AREA B & C - PLUMBING
P-104	BAGGAGE LEVEL PLAN - AREA A - PLUMBING
P-105	BAGGAGE LEVEL PLAN - AREA B & C - PLUMBING
P-107	BRIDGE LEVEL PLAN - AREA A - PLUMBING
P-110	TICKETING LEVEL - AREA A - PLUMBING
P-112	ROOF LEVEL PLAN - AREA A - PLUMBING
P-300	PLUMBING ENLARGED PLANS
P-301	PLUMBING ENLARGED PLANS
P-302	PLUMBING ENLARGED PLANS
P-303	PLUMBING ENLARGED PLANS
P-304	PLUMBING ENLARGED PLANS
P-400	PLUMBING RISER DIAGRAMS - DOMESTIC WATER & WASTE
P-401	PLUMBING RISER DIAGRAMS - STORM PART 1
P-402	PLUMBING RISER DIAGRAMS - STORM PART 2
P-600	PLUMBING DETAILS
P-601	PLUMBING DETAILS

FIRE PROTECTION

FP-000	FIRE PROTECTION SYMBOLS, NOTES & ABBREVIATIONS
FPD-105	BAGGAGE LEVEL PLAN - AREA B & C - FIRE PROTECTION DEMOLITION
FP-102	BASEMENT LEVEL PLAN - AREA B & C - FIRE PROTECTION
FP-104	BAGGAGE LEVEL PLAN - AREA A - FIRE PROTECTION
FP-105	BAGGAGE LEVEL PLAN - AREA B & C - FIRE PROTECTION
FP-107	BRIDGE LEVEL PLAN - AREA A - FIRE PROTECTION
FP-108	BRIDGE LEVEL PLAN - AREA B & C - FIRE PROTECTION
FP-110	TICKETING LEVEL PLAN - AREA A - FIRE PROTECTION
FP-204	BAGGAGE LEVEL RCP - AREA A - FIRE PROTECTION
FP-205	BAGGAGE LEVEL RCP - AREA B & C - FIRE PROTECTION
FP-207	BRIDGE LEVEL RCP - AREA A - FIRE PROTECTION
FP-208	BRIDGE LEVEL RCP - AREA B & C - FIRE PROTECTION
FP-210	TICKETING LEVEL RCP - AREA A - FIRE PROTECTION
FP-300	ENLARGED FIRE PROTECTION PLANS
FP-400	FIRE PROTECTION RISER DIAGRAMS
FP-600	FIRE PROTECTION DETAILS

TECHNOLOGY

T-001	TECHNOLOGY SYMBOLS, NOTES & ABBREVIATIONS
T-105	BAGGAGE LEVEL PLAN - AREA B & C - TECHNOLOGY PLAN
T-107	BRIDGE LEVEL PLAN - AREA A - TECHNOLOGY PLAN
T-110	TICKETING LEVEL PLAN - AREA A - TECHNOLOGY PLAN
T-204	BAGGAGE LEVEL RCP - AREA A - TECHNOLOGY PLAN
T-207	BRIDGE LEVEL RCP - AREA A - TECHNOLOGY PLAN
T-208	BRIDGE LEVEL RCP - AREA B & C - TECHNOLOGY PLAN
T-210	TICKETING LEVEL RCP - AREA A - TECHNOLOGY PLAN
T-300	ENLARGED TECHNOLOGY PLANS
T-301	ENLARGED TECHNOLOGY PLANS
T-302	ENLARGED TECHNOLOGY PLANS
T-310	ENLARGED TECHNOLOGY AXONOMETRICS
T-311	ENLARGED TECHNOLOGY AXONOMETRICS
T-312	ENLARGED TECHNOLOGY AXONOMETRICS
T-600	TECHNOLOGY DETAILS
T-601	TECHNOLOGY DETAILS



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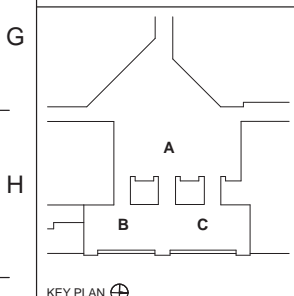


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MARK	DATE	ISSUANCE
1	12/27/2016	ISSUED FOR BID

PROJECT NAME:
MIDWAY AIRPORT PASSENGER SECURITY CHECKPOINT EXPANSION

DESIGNED: D.S. DRAWN: M.F. CHECKED: K.Z.

ISSUE:
ISSUED FOR BID

PROJECT NO.: M9185.12
DATE: DECEMBER 27, 2016
SHEET TITLE:
SHEET INDEX

REVISION SHEET NO.
G-003

GENERAL NOTES

1. APPLICABLE ABBREVIATIONS AND DEFINITIONS

Table with 2 columns: Abbreviation and Definition. Includes AC (Advisory Circular), CDA (Chicago Department of Aviation), CFR (Code of Federal Regulations), etc.

2. THE PROJECT MUST BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS AND ANY RULES, REGULATIONS, STANDARDS OR SPECIFICATIONS REFERENCED THEREIN.

3. THE CONTRACTOR MUST COMPLY WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REGULATIONS AS WELL AS THOSE SPECIFIED IN THE CONTRACT DRAWINGS AND SPECIFICATIONS.

4. CHICAGO MIDWAY INTERNATIONAL AIRPORT (MDW) WILL BE IN OPERATION WHILE CONSTRUCTION UNDER THIS CONTRACT IS TAKING PLACE. TIMING AND COORDINATION OF THE WORK IS AN ESSENTIAL FEATURE OF THIS CONTRACT...

5. THE CONTRACTOR'S SUPERINTENDENT MUST BE ON THE CONSTRUCTION SITE AT ALL TIMES DURING THE WORKING HOURS WHILE THIS PROJECT IS IN PROGRESS.

6. THE CONTRACTOR'S PROJECT MANAGER AND FIELD SUPERINTENDENT MUST ATTEND A WEEKLY PROJECT PROGRESS MEETING WITH THE RESIDENT ENGINEER AND CONSTRUCTION MANAGER.

7. THE CONTRACTOR MUST INVESTIGATE THE AVAILABILITY OF AN ADEQUATE SUPPLY OF SUITABLE WATER, MAKE ALL ARRANGEMENTS (PERMITS) FOR THE PURCHASE OF THE WATER, AND PROVIDE NECESSARY FACILITIES TO FURNISH WATER FOR USE DURING CONSTRUCTION...

8. NO REQUIREMENTS OF THIS CONTRACT WITH RESPECT TO PRECAUTIONS REQUIRED OR OMITTED WILL BE DEEMED TO LIMIT OR IMPAIR ANY OBLIGATIONS ASSUMED BY THE CONTRACTOR UNDER OR IN CONNECTION WITH THIS CONTRACT.

9. EXISTING GRADES REPORTED ON THE DRAWINGS ARE BASED ON BEST AVAILABLE INFORMATION; HOWEVER, THE CITY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THESE GRADES.

10. EXISTING CONDITIONS WERE TAKEN FROM THE BEST AVAILABLE INFORMATION OR MAPPING INFORMATION SHOWN CONCERNING FEATURES AND UTILITIES IS NOT GUARANTEED ALL INCLUSIVE OR CORRECT. THE CONTRACTOR IS TO VERIFY THE FEATURES PRIOR TO CONSTRUCTION.

11. THE CONTRACTOR MUST LAYOUT THE LOCATION OF ALL NEW ITEMS FOR REVIEW BY THE COMMISSIONER. NO ITEM SHALL BE CONSTRUCTED UNTIL THE LOCATION IS APPROVED BY THE COMMISSIONER.

12. THE COMMISSIONER WILL REVIEW THE SHOP DRAWINGS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS AS SPECIFIED IN ARTICLE XI OF PART 2 (GENERAL CONDITIONS) OF THE SPECIFICATIONS.

13. THE CONTRACTOR MUST ESTABLISH TEMPORARY BENCHMARKS (TBM) AT INTERVALS NOT GREATER THAN FIVE-HUNDRED (500) FEET ALONG THE PROJECT PRIOR TO BEGINNING ANY CONSTRUCTION REQUIRING LOCATIONS OR GRADES.

14. ALL CONSTRUCTION RELATED LIGHTING MUST BE ADJUSTED OR SHIELDED TO PREVENT INTERFERENCE WITH AIR TRAFFIC CONTROL AND AIRCRAFT OPERATIONS.

15. THE FOLLOWING PROVISIONS, IN ADDITION TO THE CONTRACTOR'S SAFETY PLAN ARE TO BE EXECUTED BY THE CONTRACTOR TO ASSURE SAFE OPERATION OF THE AIRPORT DURING CONSTRUCTION ACTIVITY.

- a. VEHICLE TRAILERS MUST BE CONNECTED TO THEIR RESPECTIVE TOW VEHICLE WITH OPERATIONAL PARKING LIGHTS. UNATTENDED TRAILERS MUST HAVE LIGHTS ON, ESPECIALLY DURING LOW VISIBILITY AND HOURS OF DARKNESS.
b. VEHICLES NOT CONSIDERED HEAVY EQUIPMENT ARE PICK-UP TRUCKS, DUMP TRUCKS, BOX AND PANEL VANS, STAKE BODIES, PASSENGER VEHICLES, MECHANIC SERVICE TRUCKS, SKID STEERS, COMBINATION BACKHOES AND BUSES.
c. ANY HAZARDOUS MATERIAL SPILLS (REGARDLESS OF AMOUNT) THAT OCCUR ON THE PROJECT AS A RESULT OF CONSTRUCTION ACTIVITIES MUST BE IMMEDIATELY REPORTED TO MIDWAY AIRPORT OPERATIONS COMMUNICATIONS CENTER AT 773-838-0656 AND AIRPORT OPERATIONS AT 773-838-0677.

16. THE CONTRACTOR IS SOLELY RESPONSIBLE TO DEVELOP A SITE SPECIFIC CONSTRUCTION SAFETY PROGRAM FOR THE PROJECT AND SUBMIT TO THE COMMISSIONER. APPROVAL MUST BE OBTAINED AT LEAST THIRTY (30) DAYS PRIOR TO THE START OF WORK.

17. THE CONTRACTOR MUST DESIGNATE A QUALIFIED SAFETY REPRESENTATIVE FOR THE PROJECT. THESE PERSONS MUST BE AT THE PROJECT WHENEVER THE WORK IS BEING PERFORMED AT THE SITE OR ANY STAGING AREA ON THE AIRPORT PROPERTY.

GENERAL NOTES (CONTINUED)

17. THE CONTRACTOR MUST DESIGNATE A QUALIFIED SAFETY REPRESENTATIVE FOR THE PROJECT. THESE PERSONS MUST BE AT THE PROJECT WHENEVER THE WORK IS BEING PERFORMED AT THE SITE OR ANY STAGING AREA ON THE AIRPORT PROPERTY.

18. ELEVATIONS SHOWN ON THE PLANS USE US LAKE SURVEY DATUM; 579.86 IS EQUIVALENT TO 0.00 IN CHICAGO CITY DATUM.

19. DURING THE BID PERIOD AND DURING CONSTRUCTION, DOCUMENTATION OF THE EXISTING TERMINAL CONSTRUCTION SHALL BE AVAILABLE FOR VIEWING AT THE CHICAGO DEPARTMENT OF AVIATION BY APPOINTMENT.

20. ALL CONSTRUCTION AND CONSTRUCTION OPERATIONS MUST COMPLY WITH FEDERAL AVIATION ADMINISTRATION FLIGHT PATH HEIGHT RESTRICTIONS. THE CONTRACTOR MUST BE AWARE OF HEIGHT RESTRICTIONS ON THE PROJECT. THE CONSTRUCTION RESTRICTION DRAWINGS SHOW PART 77 HEIGHT LIMITS.

21. CONSTRUCTION AND MATERIALS SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF THE CHICAGO DEPARTMENT OF AVIATION AND THE LAWS, CODES, ORDINANCES AND REGULATIONS OF FEDERAL, STATE, AND MUNICIPAL AUTHORITIES HAVING JURISDICTION.

22. ALL WORK IN THE PUBLIC WAY REQUIRES A PERMIT FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION, AND THE CITY OF CHICAGO OFFICE OF MANAGEMENT AND COMMUNICATIONS.

23. THE CONTRACTOR WILL BE REQUIRED TO PAY INSPECTIONS FEES TO THE VARIOUS DEPARTMENTS OF THE CITY OF CHICAGO. THE COSTS WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

24. THE CONTRACTOR MUST OBTAIN ALL NECESSARY PERMITS FROM THE CITY OF CHICAGO AND THE STATE OF ILLINOIS PRIOR TO COMMENCING CONSTRUCTION. THE COSTS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

25. REFER TO THE TECHNICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION AND COORDINATION OF THE WORK. IN THE EVENT OF DISCREPANCIES BETWEEN DRAWINGS OR DRAWINGS AND SPECIFICATIONS CONSULT THE COMMISSIONER FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.

26. THE COMMISSIONER WILL NOT BE RESPONSIBLE FOR, NOR WILL HAVE CONTROL OVER OR CHARGE OF QUALITY CONTROL, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PHASING PROCEDURES OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.

27. THE COMMISSIONER DOES NOT GUARANTEE THE COMPLETENESS OR ACCURACY OF THE INFORMATION SHOWN ON THE DRAWINGS, INCLUDING UTILITIES. IT IS IMPERATIVE THAT THE CONTRACTOR FULLY FAMILIARIZE ITSELF WITH ALL EXISTING STRUCTURES, SEWER AND UTILITY LOCATIONS, SITE CONDITIONS, EXISTING BUILDING DRAWINGS, SURVEYS AND REPORTS.

28. DETAILS SHOWN MAY NOT NECESSARILY GRAPHICALLY REPRESENT ALL COMPONENTS NECESSARY TO COMPLETE THE TOTAL SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL OF THE REQUIREMENTS SHOWN ON THE DRAWINGS WITH THOSE STATED IN THE APPLICABLE SPECIFICATIONS AND PROJECT NOTES TO PROVIDE A COMPLETE SYSTEM.

29. DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED FOR THE WORK. CONDITIONS NOT COVERED BY SPECIFIC DETAILS ARE SIMILAR IN CHARACTER AND QUALITY TO THOSE DETAILED AND SHALL MEET SPECIFIED DESIGN CRITERIA.

30. DIMENSIONS WILL GOVERN; DO NOT SCALE DRAWINGS OR ELECTRONIC DATA. ALL DIMENSIONS ARE TO BE FIELD VERIFIED FOR ANY ELEMENTS TO BE CONNECTED TO EXISTING ELEMENTS OR ANY ELEMENTS PREVIOUSLY CONSTRUCTED.

31. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE COMMISSIONER IN WRITING BEFORE PROCEEDING WITH THE WORK.

32. THE CONTRACTOR SHALL CONDUCT ITS OWN FIELD SURVEY TO ESTABLISH EXISTING DIMENSIONAL PARAMETERS AS RELATES TO THE DESIGN BEFORE PROCEEDING WITH THE WORK.

33. ELEMENTS SHALL BE SHOP FABRICATED TO THE GREATEST EXTENT POSSIBLE AND SHIPPED PROTECTED TO REDUCE FIELD WELDING AND FIELD TOUCH UP.

34. ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER WITH A HEAVY COATING OF EPOXY PAINT, BUTYL TAPE, BITUMINOUS COATING, OR OTHER APPROVED MEANS TO AVOID CORROSION FROM GALVANIC ACTION.

35. WHEN NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS THE CONTRACTOR SHALL PROVIDE FINISHED FIELD SAMPLES WHICH, WHEN ACCEPTED, MAY BECOME PART OF THE FINAL WORK AT THE COMMISSIONER'S APPROVAL.

36. MOVING UTILITIES WILL BE THE RESPONSIBILITY OF THE UTILITY COMMISSIONERS EXCEPT AS NOTED ON THE PLANS, IN THE GENERAL NOTES, AND IN THE SPECIFICATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING ANY UTILITY RELOCATION(S).

37. AS-BUILT PLANS SHALL BE SUBMITTED SOON AFTER WORK COMPLETION. FINAL PAYMENT WILL NOT BE MADE TO THE CONTRACTOR UNTIL THE DEPARTMENT ACKNOWLEDGES RECEIPT AND ACCEPTANCE OF AS-BUILT PLANS.

38. BEFORE CONSTRUCTION COMMENCES, A PROFESSIONAL SURVEYOR MUST CHECK AND RECORD THE ELEVATION AND LOCATION OF THE AIRSIDE TERMINAL BUILDING, THE LANDSIDE TERMINAL BUILDING, AND THE UNDERGROUND BAGGAGE TUNNEL.

39. THE CONTRACTOR MUST MAINTAIN ACCESS TO FIRE HYDRANTS, BUILDING STANDPIPES AND OTHER EMERGENCY FACILITIES WITHIN THE CONSTRUCTION ZONE.

40. REGULATORY, WARNING, AND GUIDE SIGNS CONFLICTING WITH THE PROPOSED IMPROVEMENT MUST BE RELOCATED BY THE CONTRACTOR AS DIRECTED BY THE COMMISSIONER.

GENERAL NOTES (CONTINUED)

41. IN ESTABLISHING THE SCHEDULE FOR THIS CONTRACT, THE CONTRACTOR MUST CONSIDER THE FOLLOWING: NO ADDITIONAL COMPENSATION OR EXTENSION OF TIME FOR COMPLETION OF THE PROJECT, OR ANY MILESTONE OF THE PROJECT WILL BE ALLOWED DUE TO THE PHASING OF WORK, OR DUE TO WEATHER CONDITIONS WHICH MAY IMPEDE THE PROGRESS OF THE WORK.

42. THE CONTRACTOR MUST COMPLETE CLEANUP AND RESTORATION OF THE ENTIRE PROJECT AREA, INCLUDING STAGING AND STORAGE AREAS, AS APPROVED BY THE COMMISSIONER, WITHIN THIRTY (30) DAYS OF SUBSTANTIAL COMPLETION.

43. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PRESERVATION OF ALL PROPERTY AND MUST CAREFULLY PROTECT FROM DAMAGE OR DISTURBANCE. IF DAMAGE TO PROPERTY DOES OCCUR DURING THE WORK, THE CONTRACTOR MUST RESTORE, AT NO EXPENSE TO THE COMMISSIONER, SUCH PROPERTY TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE WAS DONE BY REBUILDING OR RESTORING AS DIRECTED BY THE COMMISSIONER.

44. NO ESCALATOR OR ELEVATOR SHALL BE USED TO CONVEY MATERIALS OR EQUIPMENT.

45. PROJECT DESIGN SHALL CONFORM TO THE LATEST VERSION OF THE CHICAGO BUILDING CODE, CDA DESIGN SPECIFICATIONS, AND THE CHICAGO AIRPORT SYSTEM (CAS) DESIGN AND CONSTRUCTION STANDARDS.

46. NOTES APPEAR ON VARIOUS SHEETS FOR DIFFERENT SYSTEMS AND MATERIALS. NOTES ON ANY ONE SHEET ARE TO BE APPLIED TO RELATED DRAWINGS AND DETAILS. WHEN THERE ARE DISCREPANCIES WITHIN THE CONTRACT DOCUMENTS, INCLUDING, BUT NOT LIMITED TO, DISCREPANCIES WITHIN DRAWINGS OR WITHIN THE SPECIFICATIONS, CONSULT THE COMMISSIONER DURING THE BID PERIOD FOR ANY CLARIFICATIONS NEEDED PRIOR TO SUBMISSION OF BID.

GENERAL NOTES - PERMITTING

1. SEE SHEET G-005 FOR CODE MATRIX AND G-006 THROUGH G-009 FOR LIFE SAFETY PLANS.

2. INTERIOR WALL AND CEILING FINISHES SHALL BE CLASS 1 WITH A FLAME SPREAD RATING 0-25, AND SMOKE DEVELOPED RATING OF 200 PER CBC (15-8-380 TO 430)

3. ALL FLOOR COVERINGS SHALL BE CLASS A INTERIOR FINISH WITH CRITICAL RADIANT FLUX OF 0.45 WATTS PER SQ. CM. OR HIGHER, PER CBC (715-8-400)

4. ALL EXIT DOORS TO SWING IN THE DIRECTION OF TRAVEL EXCEPT FROM ROOMS HAVING A CAPACITY NOT EXCEEDING 50 PERSONS. (1013-100-250(E)).

5. ALL EXIT DOORS MUST BE READILY OPENED WITHOUT A KEY FROM THE SIDE EGRESS IS MADE. (1013-160-280(A)).

6. SEE SHEET A-701 FOR PARTITION TYPES.

7. ALL GLASS IN DOORS TO BE TEMPERED SAFETY GLASS AND SAFETY RATED GLASS ADJACENT TO DOORS.

8. ALL FIRE RATINGS INDICATED FOR WALLS, CEILINGS, AND ROOF ARE TO COMPLY WITH UNDERWRITER'S LABORATORIES TEST RATINGS OR AS REGULATED BY THE CITY OF CHICAGO BUILDING CODE AND NFPA 130 (2014).

9. THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF CHICAGO BUILDING CODE AND ALL APPLICABLE COUNTY, STATE, AND FEDERAL LAWS, INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AND REGULATIONS ADOPTED PURSUANT THERETO.

10. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR APPLYING, PROCURING, AND PAYING FOR ALL PERMITS AND INSPECTIONS REQUIRED TO COMPLETE THE SCOPE OF WORK UNLESS NOTED OTHERWISE.

11. ALL GYPSUM BOARD TO BE TYPE 'X' UNLESS NOTED OTHERWISE.

12. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND PERMITTING (INCLUDING PERMIT COSTS) OF ALL SHORING NECESSARY TO IMPLEMENT THE DESIGN.

13. ALL ROOF COVERINGS TO BE MINIMUM OF CLASS 'A' FIRE RESISTANT ROOF COVERINGS IN ACCORDANCE WITH 71(15-8-330)

14. ALL DOORS OPENING INTO MECHANICAL OR ELECTRICAL EQUIPMENT ROOMS, STAIRS OR ENTRANCES TO VEHICULAR TRAFFIC AREAS SHALL HAVE KNURLED HANDLES.

15. ALL RATED DOORS TO HAVE A FIRE DOOR CERTIFICATION LABEL READILY VISIBLE BY THE AUTHORITY HAVING JURISDICTION. MUST BE SELF-CLOSING AND MUST HAVE A POSITIVE LATCH, AND MUST BE INSTALLED IN ACCORDANCE WITH NFPA-80.

MATERIAL LEGEND

Table mapping material symbols to names: ACUSTICAL TILE, SEALANT, TILE (WALL OR FLOOR), CONCRETE, CONCRETE BLOCK, BRICK, CAST STONE, EARTH, GFRC, GFRC, GFRC, GRAVEL, GYPSUM BOARD, BATT INSULATION, RIGID INSULATION, MORTAR NET, PREMOLDED FILLER, ALUMINUM, STEEL, TERRAZZO, PLYWOOD, FINISH WOOD, DIMENSIONAL LUMBER, BLOCKING.

SYMBOL LEGEND

Table mapping symbols to names: ACUSTICAL TILE, DOWNLIGHT, SPEAKER, EXIT SIGN, SWITCH, DUPLEX RECEPTACLE, QUAD RECEPTACLE, DATA RECEPTACLE, TELEPHONE RECEPTACLE, HVAC SUPPLY AIR REGISTER, HVAC RETURN AIR REGISTER, FORCED AIR HEATER, SPRINKLER HEAD, FLOOR DRAIN, MOP BASIN, WATER CLOSET, SITE DRAIN, LIGHT POLE, EXISTING LIGHT POLE, 5'-7" DIAMETER ACCESSIBLE TURNING CLEAR AREA, 30' x 52' ACCESSIBLE APPROACH CLEARANCE, 5'-0" x 5'-0" ACCESSIBLE CLEAR AREA, CENTERLINE.

ARCHTECTURAL TARGET LEGEND

Table mapping architectural symbols to names: TITLE SCALE, BUILDING ELEVATIONS, BUILDING SECTIONS, WALL SECTIONS, DETAIL SECTIONS, ENLARGED PLAN/SECTION/ELEVATION, ELEVATION TAG, INTERIOR ELEVATIONS, DOOR TAG, COLUMN BUBBLE, PARTITION TAG, GLAZING TAG, ROOM TAG, REVISION TAG, ACCESSORY TAG, EQUIPMENT TAG, PLUMBING FIXTURE TAG, NORTH ARROW, SIGNAGE TAG, EXPANSION JOINT ASSEMBLY, SPOT COORDINATE, SPOT ELEVATION, KEYNOTE TAG, REFERENCE TAG, GRAPHIC SCALE, DIMENSION.

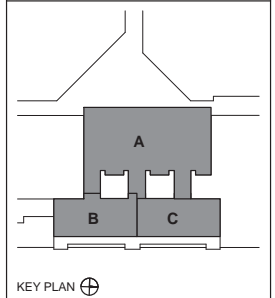


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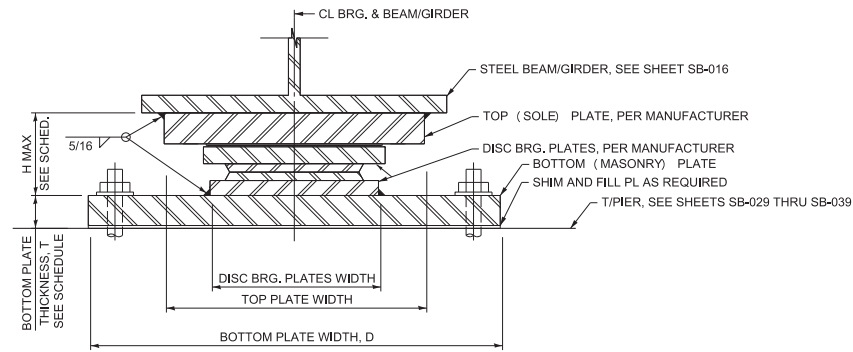
PROJECT NAME: MIDWAY AIRPORT PASSENGER SECURITY CHECKPOINT EXPANSION

DESIGNED: D.S. DRAWN: N.M. CHECKED: K.Z.

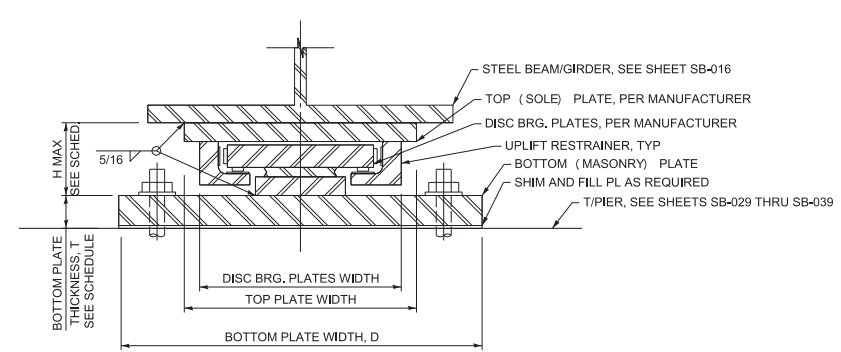
ISSUE: ISSUED FOR BID

PROJECT NO.: M9185.12 DATE: DECEMBER 27, 2016 SHEET TITLE: GENERAL NOTES & SYMBOLS

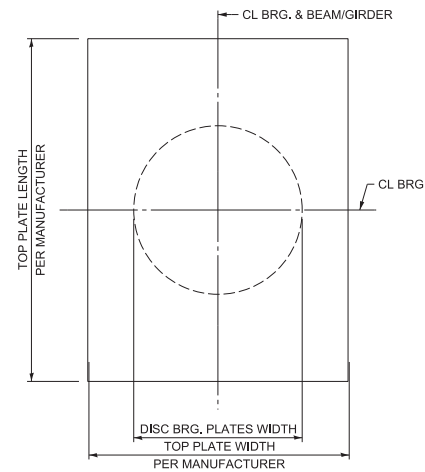
REVISION SHEET NO. G-004



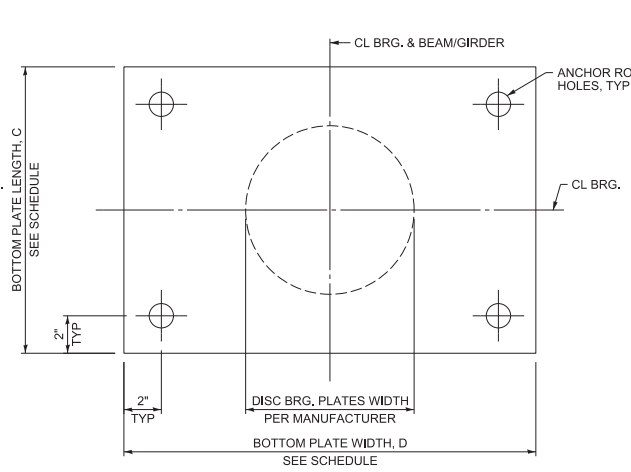
1 NON-GUIDED DISC BEARING ELEVATION
NTS (29 TOTAL)



2 UPLIFT DISC BEARING ELEVATION
NTS (1 TOTAL)



3 TOP PLATE
NTS



4 BOTTOM PLATE
NTS

BEARING SCHEDULE

PIER	STEEL BEAM/GIRDER	BEARING TYPE	QUANTITY
PIER 1 SOUTH BRIDGE	1	NON-GUIDED DISC	1
PIER 1 SOUTH BLDG.	2-9	ELASTOMERIC EXP SIZE 2	8
PIER 1 SOUTH BLDG.	B1-B11	ELASTOMERIC EXP SIZE 1	11
PIER 1 EXIST	10-19	ELASTOMERIC EXP SIZE 2	10
NORTH SEC HALL	20-31	ELASTOMERIC EXP SIZE 2	12
PIER 1A BRIDGE	33B	UPLIFT	1
PIER 1A BRIDGE	34	NON-GUIDED DISC	1
PIER 1A BLDG.	B12	ELASTOMERIC EXP SIZE 1	1
PIER 1B	33B-34	NON-GUIDED DISC	2
PIER 2	1-34	FIXED	34
PIER 3	1	NON-GUIDED DISC	1
PIER 3	2-3	ELASTOMERIC EXP SIZE 3	2
PIER 3	4-5	NON-GUIDED DISC	2
PIER 3	6	ELASTOMERIC EXP SIZE 3	1
PIER 3	7	NON-GUIDED DISC	1
PIER 3	8-21	ELASTOMERIC EXP SIZE 3	14
PIER 3	22	NON-GUIDED DISC	1
PIER 3	23-25	ELASTOMERIC EXP SIZE 3	3
PIER 3	26	NON-GUIDED DISC	1
PIER 3	27-33*	ELASTOMERIC EXP SIZE 3	8
PIER 3	34	NON-GUIDED DISC	1
PIER 4	W24X192**	NON-GUIDED DISC	1
PIER 4	1-5	NON-GUIDED DISC	5
PIER 4	6-9	ELASTOMERIC EXP SIZE 2	4
PIER 4	10	NON-GUIDED DISC	1
PIER 4	11	ELASTOMERIC EXP SIZE 2	1
PIER 4	13	NON-GUIDED DISC	1
PIER 4	14-15	ELASTOMERIC EXP SIZE 2	2
PIER 4	16	NON-GUIDED DISC	1
PIER 4	18	ELASTOMERIC EXP SIZE 2	1
PIER 4	19	NON-GUIDED DISC	1
PIER 4	20-22	ELASTOMERIC EXP SIZE 2	3
PIER 4	23-29	NON-GUIDED DISC	7
PIER 4	30-33A	ELASTOMERIC EXP SIZE 2	4
PIER 4	34	NON-GUIDED DISC	1
PIER 6 SOUTH BLDG.	B21-B27	ELASTOMERIC EXP SIZE 1	7
PIER 6 NORTH BLDG.	B21-B27	ELASTOMERIC EXP SIZE 1	7

* INCLUDES 33A & 33B
** OUTRIGGER BEAM SOUTH OF BEAM 1

NON-GUIDED DISC BEARING DIMENSIONS

STEEL BEAM/GIRDER	PIER NO	SERVICE			STRENGTH			DISC BRG. PLATES				MIN. DISC OUTER DIAMETER
		VERTICAL LOAD	HORIZONTAL LOAD	ROTATION	VERTICAL LOAD	HORIZONTAL LOAD	ROTATION	HEIGHT, H MAX	THICKNESS, T	LENGTH, C	WIDTH, D	
		KIPS	KIPS	RADIANS	KIPS	KIPS	RADIANS	INCHES	INCHES	INCHES	INCHES	INCHES
BEAM 1, 4-5, 7, 22, 26, 34	PIER 3	444	67	+/- 0.02	627	94	+/- 0.02	4 3/8	1 1/8	18 1/2	20	10 3/8
W24X192, BEAM 1-5, 10, 13, 16, 19, 23-29, 34	PIER 4	290	44	+/- 0.02	398	60	+/- 0.02	4 3/8	1 1/8	18 1/2	20	10 3/8
BEAM 1	PIER 1S	105	16	+/- 0.02	146	30	+/- 0.02	4 3/8	1 1/8	18 1/2	20	10 3/8
BEAM 33B (UPLIFT)	PIER 1A	-9	-2	+/- 0.02	-13	-2	+/- 0.02	4 3/8	1 1/8	18 1/2	20	10 3/8
BEAM 34	PIER 1A	170	26	+/- 0.02	235	36	+/- 0.02	4 3/8	1 1/8	18 1/2	20	10 3/8
BEAM 33B, 34	PIER 1B							4 3/8	1 1/8	18 1/2	20	10 3/8

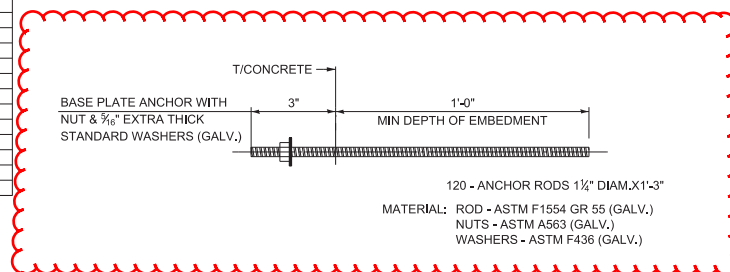
NOTE: DIMENSIONS PROVIDED ARE MAXIMUM VALUES; SMALLER VALUES MAY BE USED BY DESIGN. "D" SHALL BE MINIMIZED AS MUCH AS POSSIBLE TO PROVIDE MAXIMUM ANCHOR BOLT EDGE DISTANCE. IF A LARGER "D" IS REQUIRED THAN THAT LISTED, NOTIFY THE COMMISSIONER. COORDINATE ANCHOR BOLT SPACINGS/LOCATIONS WITH THE PIER SHEETS.

FILL PL TABLE

STEEL BEAM/GIRDER	PIER NO	FILL PL THICKNESS
BEAM 34	PIER 1A	1/4"
BEAM 1, 7	PIER 3 SOUTH	3/4"
BEAM 22, 34	PIER 3 NORTH	1/2"
BEAM 26	PIER 3 NORTH	3/8"
BEAM 26	PIER 4 NORTH	1/2"
BEAM 34	PIER 4 NORTH	3/8"

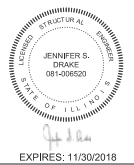
NOTES:

- SEE SPECIFICATIONS FOR DETAILS OF DISC BEARINGS.
- SEE SHEET SB-026 FOR DETAILS OF ELASTOMERIC AND FIXED BEARINGS.
- TWO 1/4" ADJUSTING SHIMS SHALL BE PROVIDED FOR EACH BEARING IN ADDITION TO ALL OTHER PLATES OR SHIMS (INCLUDING THOSE IN THE FILL PL TABLE) AND PLACED AS SHOWN IN BEARING DETAILS.
- PIER CAP ELEVATIONS AND FILL PLATES REQUIRED ARE BASED ON AN ESTIMATED BEARING HEIGHT OF 5 1/2" INCLUDING THE MASONRY PLATE. CONTRACTOR TO COORDINATE WITH THE DISC BEARING MANUFACTURER FOR BEARING HEIGHTS AND ADJUST THE PIER CAP ELEVATIONS OR FILL PLATES ACCORDINGLY. SUBMIT PROPOSED CHANGES TO COMMISSIONER FOR APPROVAL BEFORE PROCEEDING WITH CONSTRUCTION OR ORDERING MATERIALS.
- COORDINATE ANCHOR BOLT LOCATIONS WITH PIER CAP DETAILS TO MISS REINFORCING.



7 TYPICAL DISC BEARING ANCHOR ROD DETAIL
NTS

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COMMISSIONER GINGER S. EVANS

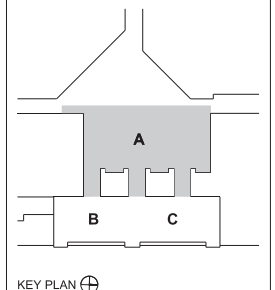


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KEY PLAN

12/27/2016 ISSUED FOR BID
MARK DATE ISSUANCE
PROJECT NAME:
MIDWAY AIRPORT PASSENGER SECURITY CHECKPOINT EXPANSION

DESIGNED: JSD DRAWN: JSD CHECKED: MDJ

ISSUE: **ISSUED FOR BID**

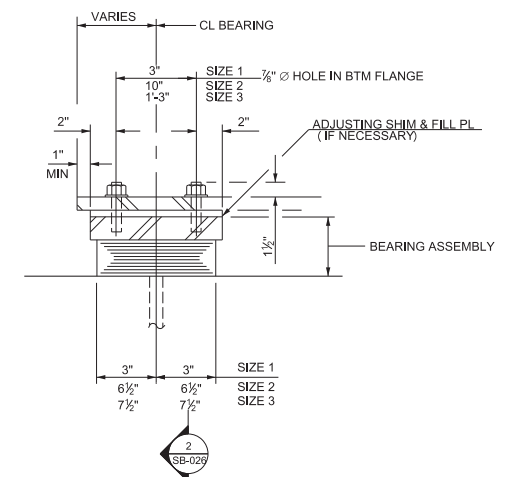
PROJECT NO.: M9185.12
DATE: DECEMBER 27, 2016

SHEET TITLE:
BEARING DETAILS I

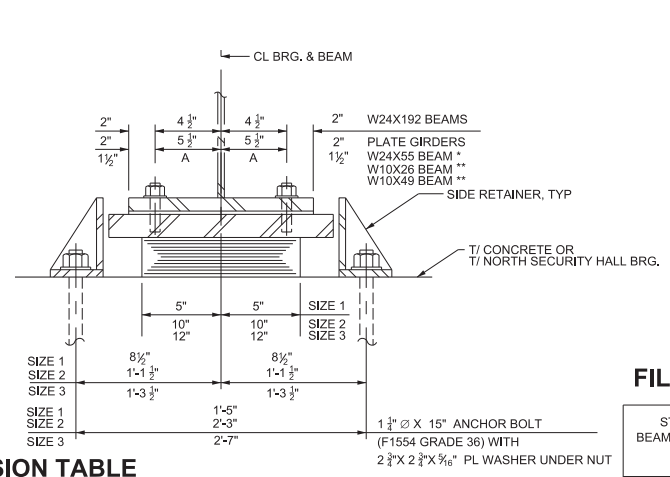
REVISION SHEET NO.
SB-025

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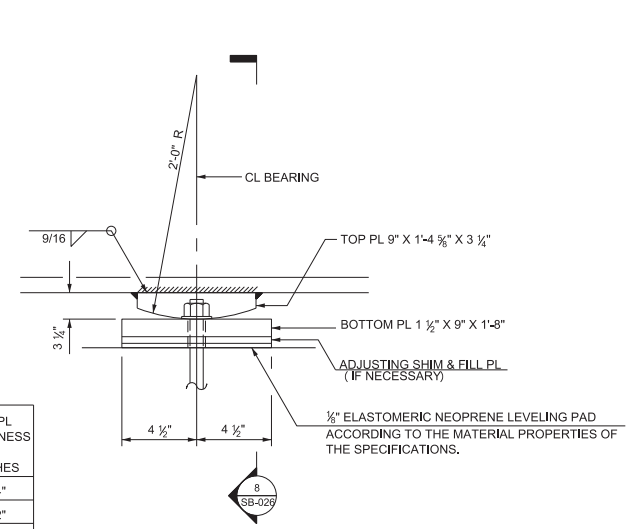
1 TYPE I ELASTOMERIC EXP. BRG. ELEV
NTS (26 TOTAL, SIZE 1) (45 TOTAL, SIZE 2) (28 TOTAL, SIZE 3)



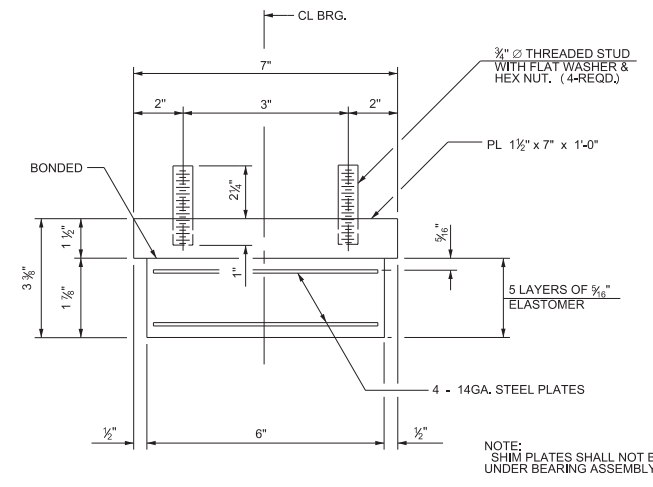
2 SECTION
NTS

FILL PL TABLE

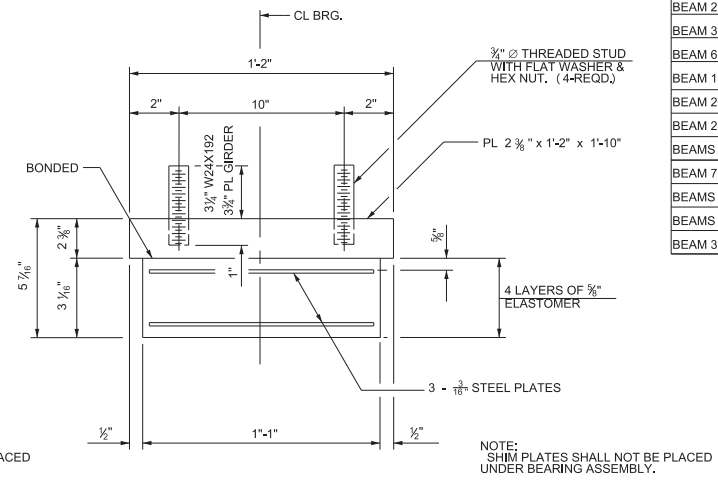
STEEL BEAM/GIRDER	PIER NO	FL PL THICKNESS INCHES
BEAM 2-9	PIER 1 SOUTH	1/4"
BEAM 22, 26, 28-29, 31	NSH	1/2"
BEAM 17-21, 23-25, 27, 28, 30	PIER 2 NORTH	1/2"
BEAM 22, 26, 32	PIER 2 NORTH	3/8"
BEAM 33B	PIER 2 NORTH	1/4"
BEAM 2	PIER 3 SOUTH	1/4"
BEAM 3, 8, 9	PIER 3 SOUTH	5/8"
BEAM 6, 10, 11	PIER 3 SOUTH	1/2"
BEAM 18, 32	PIER 3 NORTH	5/8"
BEAM 20, 21, 23-25, 28, 30	PIER 3 NORTH	1/2"
BEAM 27	PIER 3 NORTH	1/4"
BEAMS 6, 8, 9	PIER 4B SOUTH	1/4"
BEAM 7	PIER 4B SOUTH	5/8"
BEAMS 20-21	PIER 4B NORTH	3/8"
BEAMS 30-32	PIER 4D NORTH	1/4"
BEAM 33A	PIER 4D NORTH	5/8"



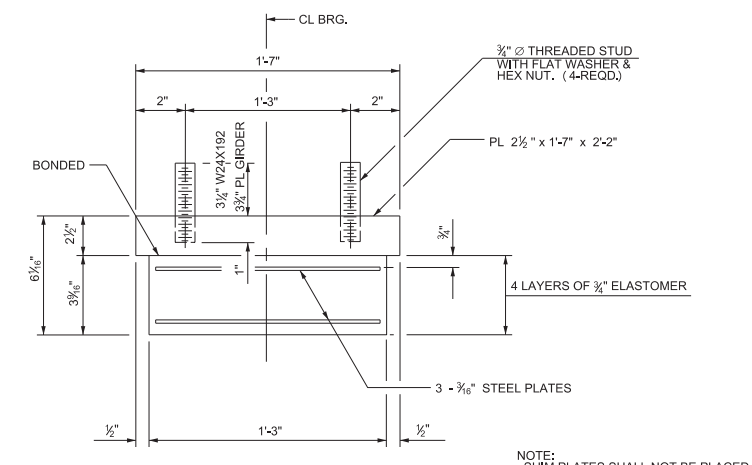
7 FIXED BEARING ELEV AT PIER 2
NTS (34 TOTAL)



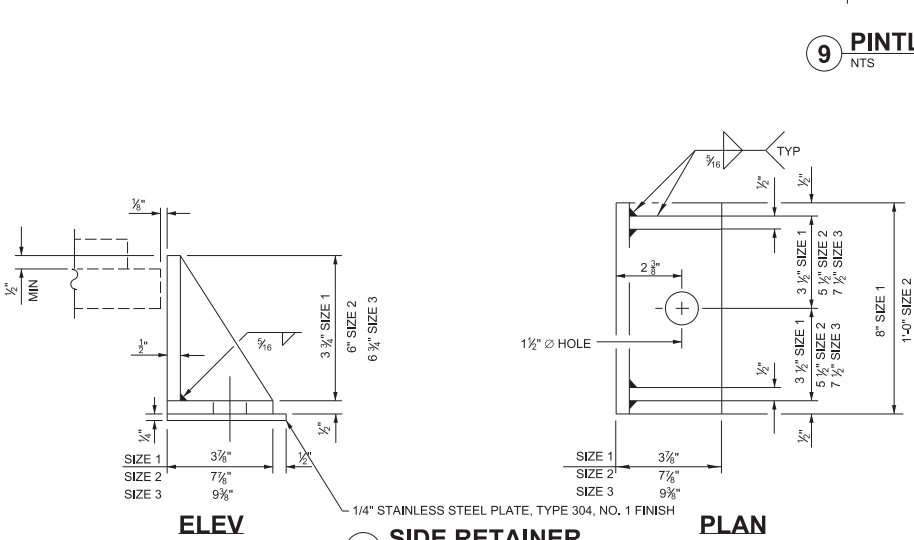
3 BEARING ASSEMBLY - SIZE 1
NTS (26 TOTAL) (6x10)



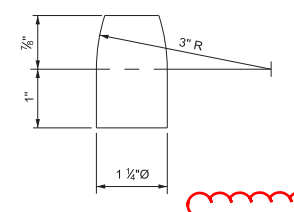
4 BEARING ASSEMBLY - SIZE 2
NTS (45 TOTAL) (13x20)



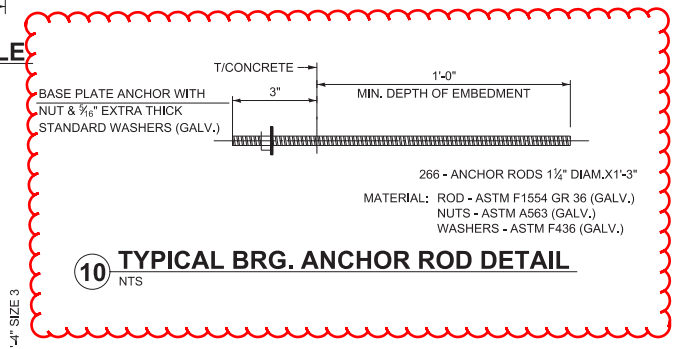
5 BEARING ASSEMBLY - SIZE 3
NTS (28 TOTAL) (15x24)



6 SIDE RETAINER
NTS

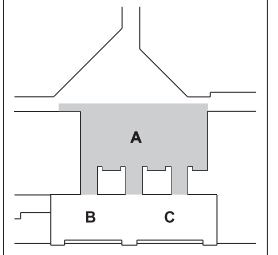
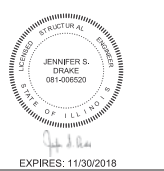


9 PINTLE
NTS



10 TYPICAL BRG. ANCHOR ROD DETAIL
NTS

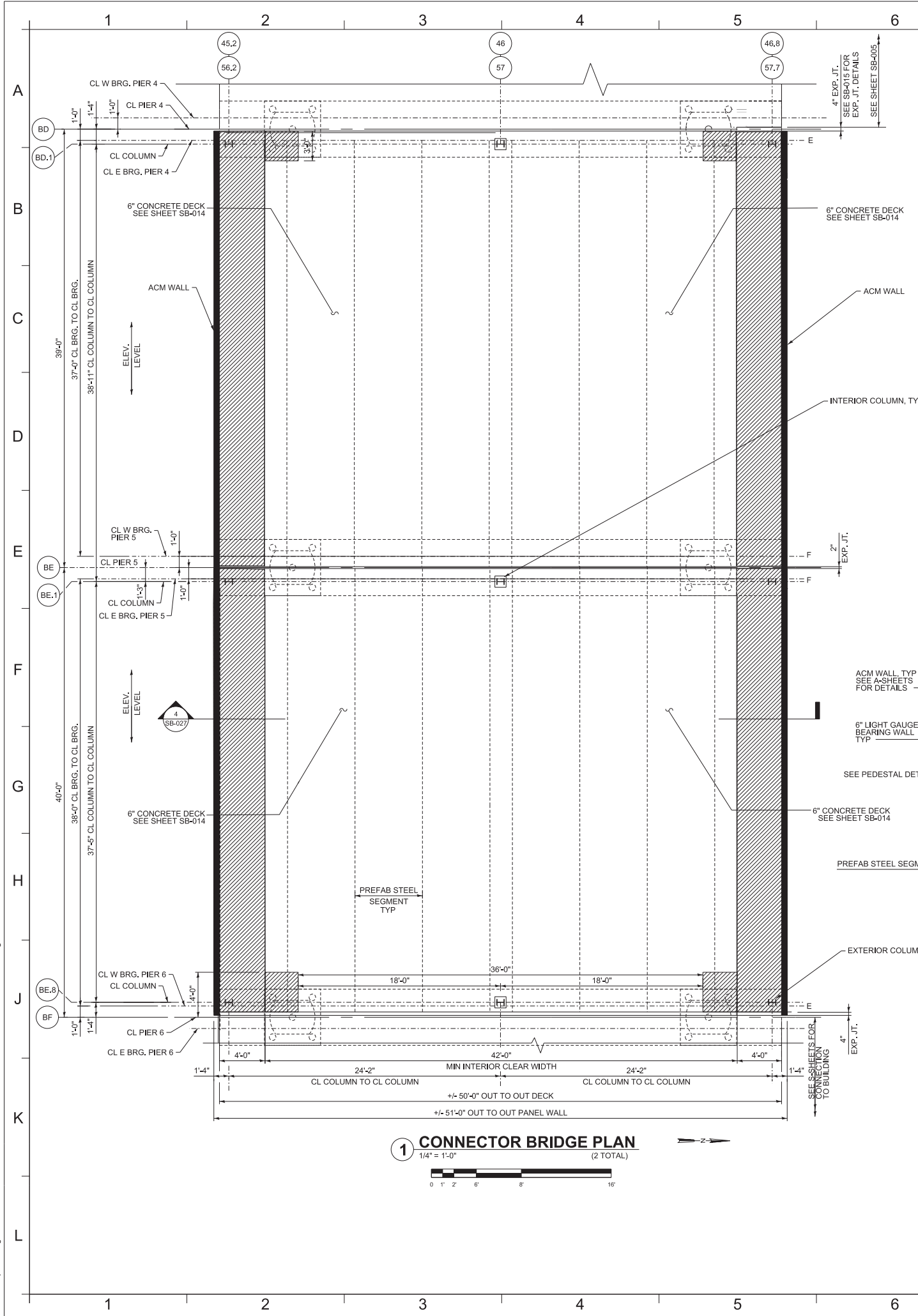
- NOTES:**
- ANCHOR BOLTS SHALL BE ASTM F1554 ALL-THREAD (OR A COMMISSIONER-APPROVED ALTERNATE MATERIAL) OF THE GRADE (S) AND DIAMETER (S) SPECIFIED. THE CORRESPONDING SPECIFIED GRADE OF AASHTO M314 ANCHOR BOLTS MAY BE USED IN LIEU OF ASTM F1554.
 - BEAMS SHALL BE BRACED FOR STABILITY DURING ERECTION AND REMAIN BRACED UNTIL DECK IS POURED AND CURED.
 - ANCHOR BOLTS AND SIDE RETAINERS AT ALL SUPPORTS SHALL BE INSTALLED AS EACH MEMBER IS ERECTED UNLESS AN EQUIVALENT TEMPORARY MEANS OF LATERAL RESTRAINT IS USED.
 - THE STRUCTURAL STEEL PLATES OF THE BEARING ASSEMBLY SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M270 GRADE 50.
 - TWO 1/8" ADJUSTING SHIMS SHALL BE PROVIDED FOR EACH BEARING IN ADDITION TO ALL OTHER PLATES, INCLUDING THOSE LISTED ON THE FILL PL TABLE, AND PLACED AS SHOWN ON THE BEARING DETAILS.



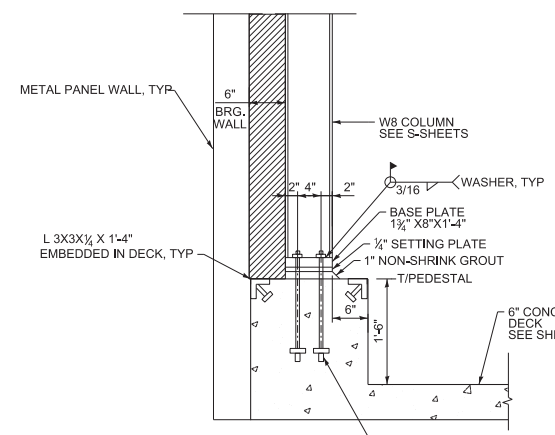
KEY PLAN

1	12/27/2016	ISSUED FOR BID
MARK	DATE	ISSUANCE
PROJECT NAME:		
MIDWAY AIRPORT PASSENGER SECURITY CHECKPOINT EXPANSION		
DESIGNED:	DRAWN:	CHECKED:
JSD	JSD	MDJ
ISSUE:		
ISSUED FOR BID		
PROJECT NO.:	M9185.12	
DATE:	DECEMBER 27, 2016	
SHEET TITLE:		
BEARING DETAILS II		
REVISION	SHEET NO.	
	SB-026	

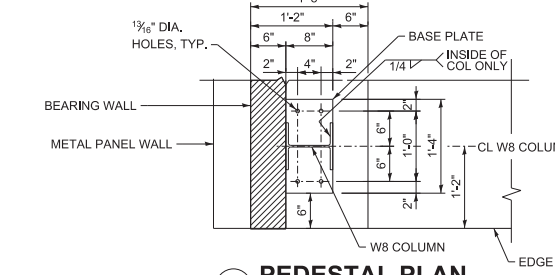
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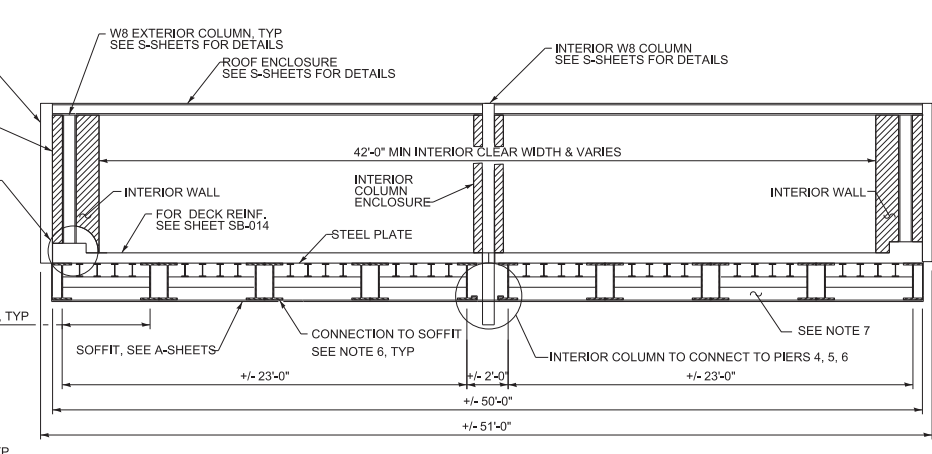
2 PEDESTAL DETAIL
NTS



3 PEDESTAL PLAN
NTS

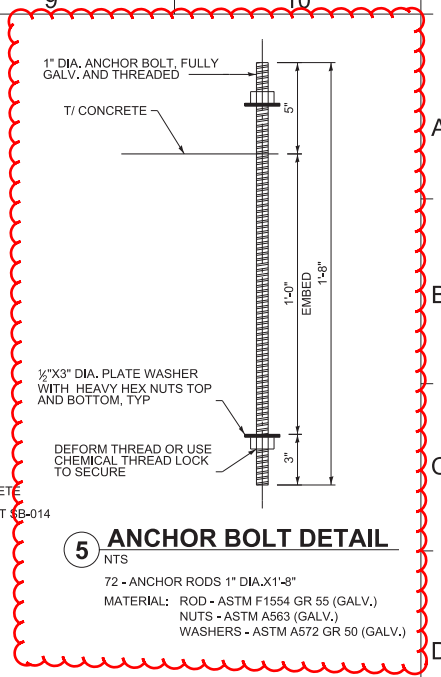


4 CONNECTOR BRIDGE SECTION
NTS



COLUMN ABOVE BRIDGE DECK LOCATIONS

COLUMN LOCATION	STATION	OFFSET
BD.1 46.8	1348+04.49	105.97
BD.1 46	1347+80.32	105.97
BD.1 45.2	1347+56.15	105.97
BE.1 46.8	1348+04.49	144.89
BE.1 46	1347+80.32	144.89
BE.1 45.2	1347+56.15	144.89
BE.8 46.8	1348+04.49	182.30
BE.8 46	1347+80.32	182.30
BE.8 45.2	1347+56.15	182.30
BD.1 57.7	1350+92.49	105.97
BD.1 56.2	1350+44.15	105.97
BE.1 57.7	1350+92.49	144.89
BE.1 57	1350+68.32	144.89
BE.1 56.2	1350+44.15	144.89
BE.8 57.7	1350+92.49	182.30
BE.8 57	1350+68.32	182.30
BE.8 56.2	1350+44.15	182.30



LEGEND

- # COLUMN LINE / EXISTING BUILDING GRID
- E/F EXPANSION / FIXED BEARING
- INTERIOR WALL / FINISHES

- NOTES:**
- FOR DECK REINFORCEMENT, SEE SHEET SB-014.
 - SUPPLIER TO COORDINATE PREFAB SEGMENT AND OVERALL WIDTH WITH CONTRACTOR.
 - FOR METAL PANEL WALL, ENCLOSURE, INTERIOR AND EXTERIOR COLUMNS, CLADDING, AND OTHER ARCHITECTURAL COMPONENTS, SEE A-SHEETS AND S-SHEETS.
 - SEE SHEET SB-016 FOR STATIONING AND STATION EQUATION.
 - SUPPLIER TO PROVIDE BEARING SIZES, LOADINGS, AND PLANS TO COMMISSIONER FOR REVIEW PRIOR TO CONTRACTOR COMMENCING SUBSTRUCTURE WORK.
 - CONTRACTOR TO SUBMIT ALL PLANS, SPECIFICATIONS, AND CALCULATIONS FOR THE SOFFIT CONNECTION TO BEAMS SEALED BY LICENSED STRUCTURAL ENGINEER TO COMMISSIONER FOR REVIEW. BOLTED CONNECTIONS ARE NOT PERMITTED.
 - ALL UTILITIES AND FIREPROOFING LINES ARE TO FIT UNDERNEATH STRINGERS AND BETWEEN DEEPER MAIN BEAMS. NO BEAM PENETRATIONS PERMITTED. COORDINATE WITH MEP AND FP-SHEETS.

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MAYOR RAHM EMANUEL
COMMISSIONER GINGER S. EVANS

JANIFER S. DRAKE
08-006620
EXPIRES: 11/30/2018

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KEY PLAN

MARK DATE ISSUANCE

PROJECT NAME:
MIDWAY AIRPORT PASSENGER SECURITY CHECKPOINT EXPANSION

DESIGNED: JSD DRAWN: JSD CHECKED: MDJ

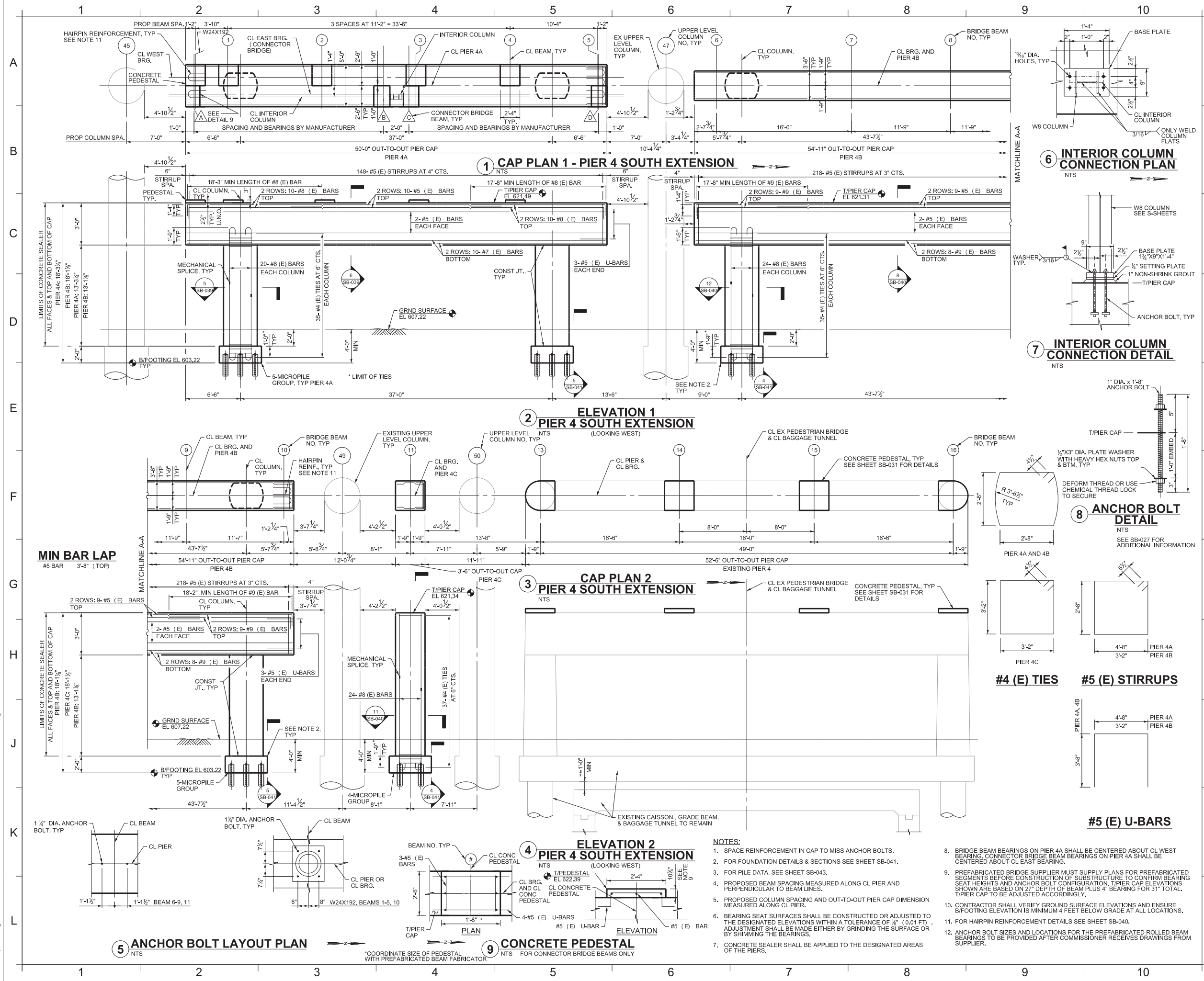
ISSUE:
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PROJECT NO.: M9185.12
DATE: DECEMBER 27, 2016

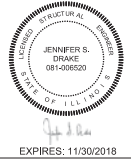
SHEET TITLE:
CONNECTOR BRIDGE DETAILS

REVISION SHEET NO.
SB-027

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CHICAGO DEPARTMENT OF AVIATION
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 CITY OF CHICAGO
 5700 S. Cicero
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 MAYOR RAHM EMANUEL
 COMMISSIONER GINGER S. EVANS

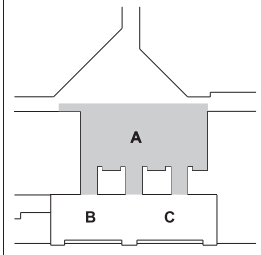


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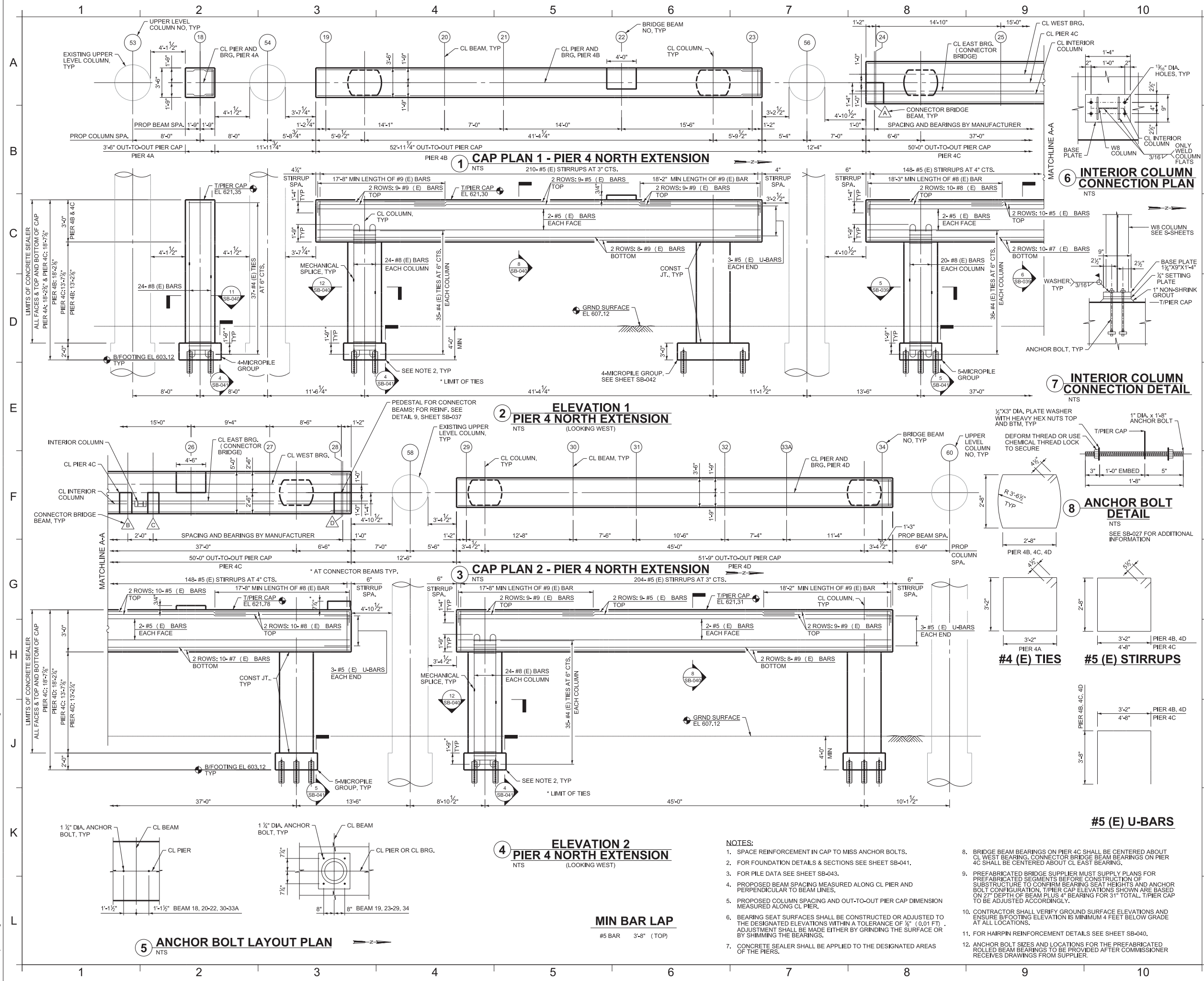


MARK: 1 12/27/2016 ISSUED FOR BID
 DATE: DECEMBER 27, 2016
 PROJECT NAME:
MIDWAY AIRPORT PASSENGER SECURITY CHECKPOINT EXPANSION

DESIGNED: AMM DRAWN: AMM CHECKED: JSD
 ISSUE: **ISSUED FOR BID**
 PROJECT NO.: M9185.12
 DATE: DECEMBER 27, 2016
 SHEET TITLE:
PIER 4 SOUTH EXTENSION

REVISION SHEET NO.
SB-037

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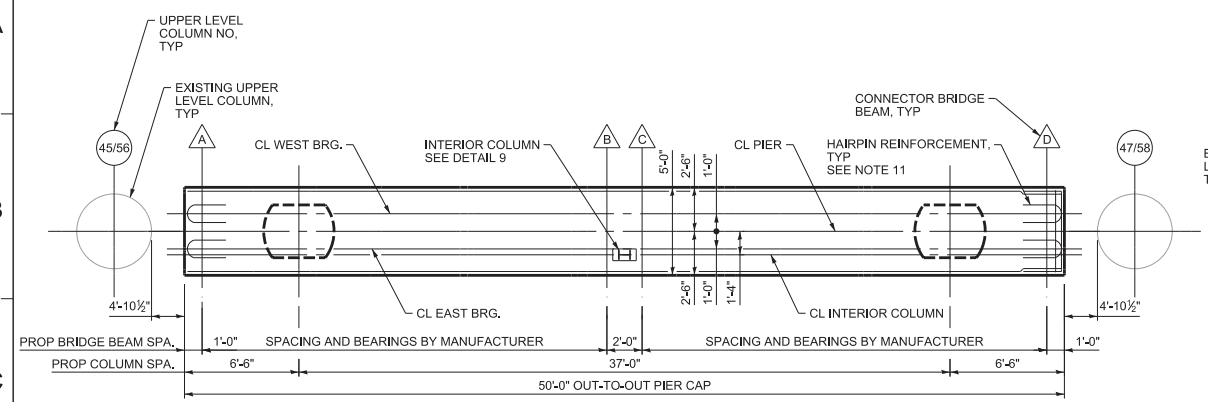
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Telephone: 312.427.1200

KEY PLAN

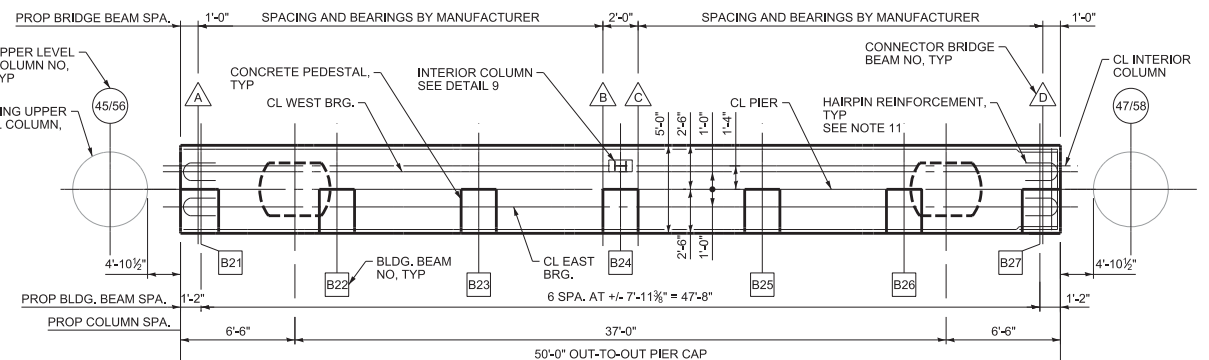
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MARK	DATE	ISSUANCE
PROJECT NAME:		
MIDWAY AIRPORT PASSENGER SECURITY CHECKPOINT EXPANSION		
DESIGNED:	DRAWN:	CHECKED:
AMM	AMM	JSD
ISSUE:		
ISSUED FOR BID		
PROJECT NO.:	M9185.12	
DATE:	DECEMBER 27, 2016	
SHEET TITLE:		
PIER 4 NORTH EXTENSION		
REVISION	SHEET NO.	
	SB-038	

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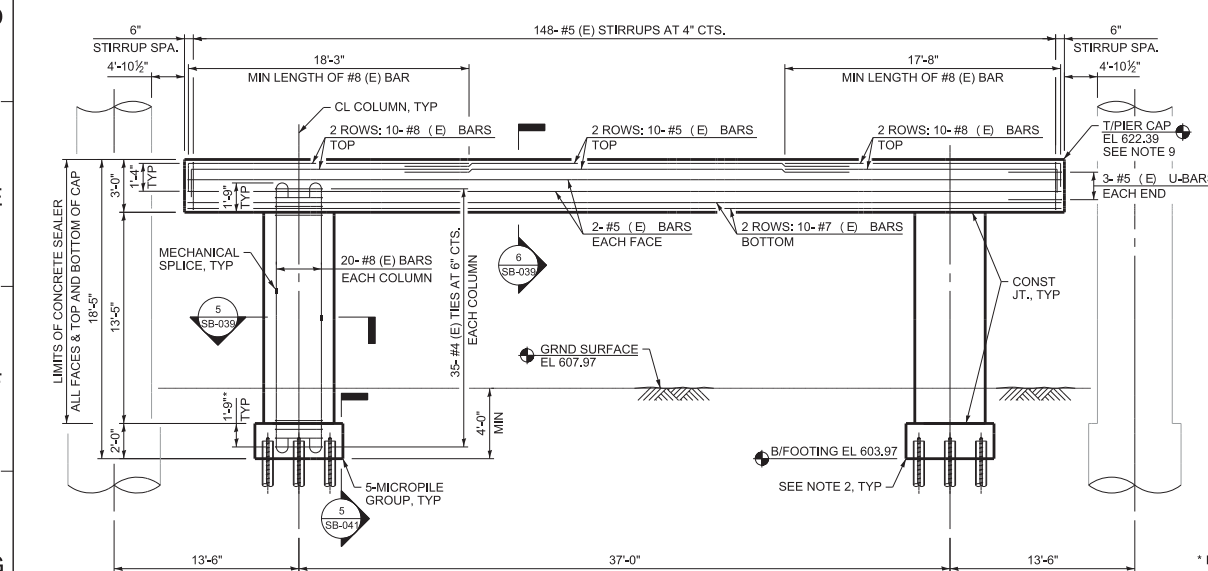
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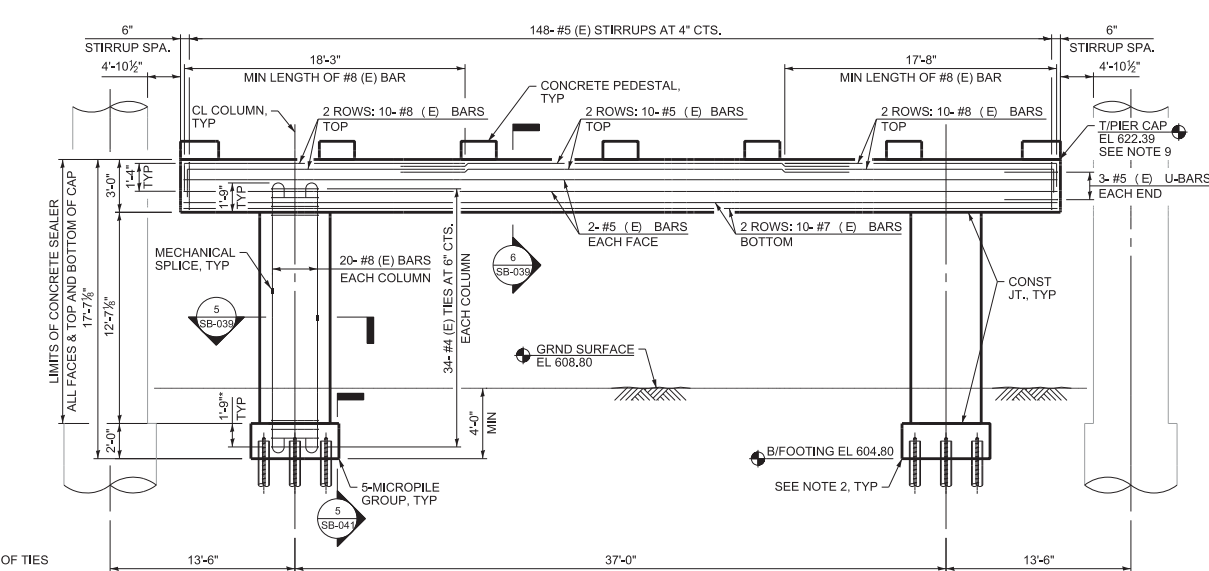
1 CAP PLAN
PIER 5 NORTH AND SOUTH EXTENSION
NTS



3 CAP PLAN
PIER 6 NORTH AND SOUTH EXTENSION
NTS

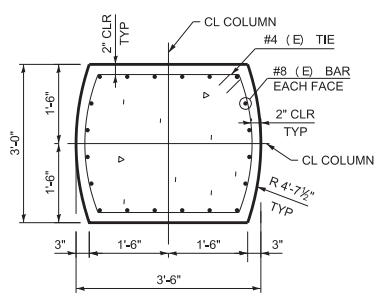


2 ELEVATION
PIER 5 NORTH & SOUTH EXTENSION
NTS
(LOOKING WEST)

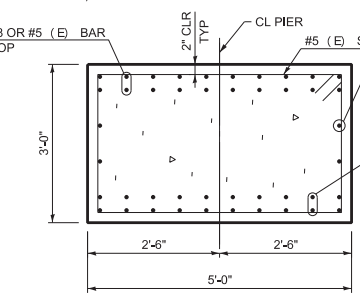


4 ELEVATION
PIER 6 NORTH & SOUTH EXTENSION
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(LOOKING WEST)

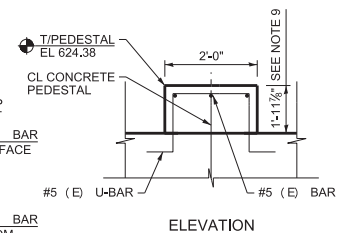
MIN BAR LAP
#5 BAR 3'-8\"/>



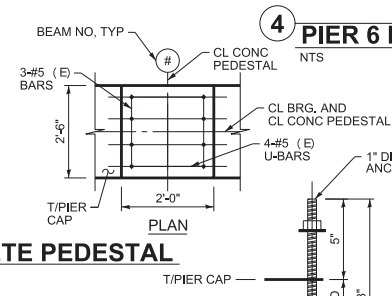
5 SECTION
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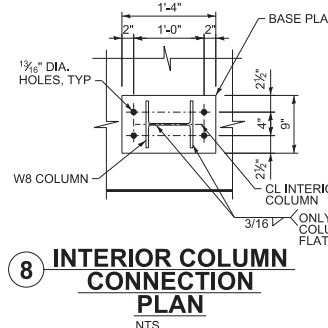
6 SECTION
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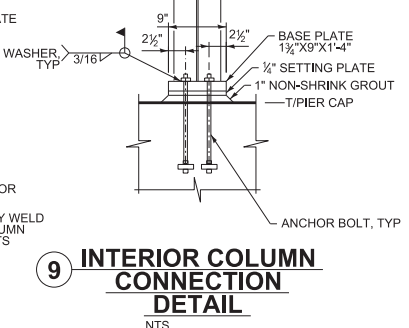
11 ELEVATION
CONCRETE PEDESTAL
NTS



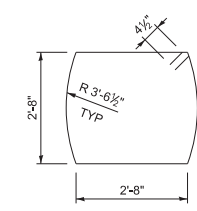
10 ANCHOR BOLT DETAIL
NTS
SEE SB-027 FOR ADDITIONAL INFORMATION



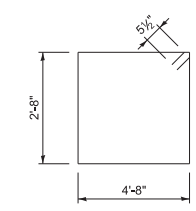
8 INTERIOR COLUMN CONNECTION PLAN
NTS



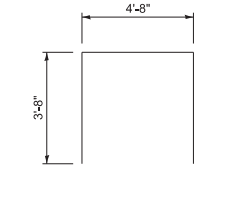
9 INTERIOR COLUMN CONNECTION DETAIL
NTS



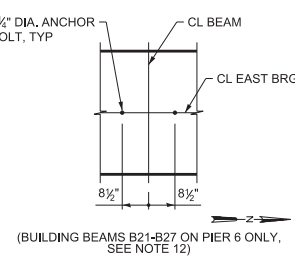
#4 (E) TIES



#5 (E) STIRRUPS



#5 (E) U-BARS



7 ANCHOR BOLT LAYOUT PLAN
NTS
(BUILDING BEAMS B21-B27 ON PIER 6 ONLY, SEE NOTE 12)

- NOTES:**
1. SPACE REINFORCEMENT IN CAP TO MISS ANCHOR BOLTS.
 2. FOR FOUNDATION DETAILS & SECTIONS SEE SHEETS SB-041 AND SB-043.
 3. FOR FILE DATA, SEE SHEET SB-043.
 4. PROPOSED BEAM SPACING MEASURED ALONG CL PIER AND PERPENDICULAR TO BEAM LINES.
 5. PROPOSED COLUMN SPACING AND OUT-TO-OUT PIER CAP DIMENSION MEASURED ALONG CL PIER.
 6. BEARING SEAT SURFACES SHALL BE CONSTRUCTED OR ADJUSTED TO THE DESIGNATED ELEVATIONS WITHIN A TOLERANCE OF 1/8" (0.01 FT.). ADJUSTMENT SHALL BE MADE EITHER BY GRINDING THE SURFACE OR BY SHIMMING THE BEARINGS.
 7. CONCRETE SEALER SHALL BE APPLIED TO THE DESIGNATED AREAS OF THE PIERS.
 8. CONNECTOR BRIDGE BEARINGS ON PIER 6 NORTH AND SOUTH SHALL BE CENTERED ABOUT CL WEST BEARING, BUILDING BEARINGS ON PIER 6 NORTH AND SOUTH SHALL BE CENTERED ABOUT CL EAST BEARING.
 9. PREFABRICATED BRIDGE SUPPLIER MUST SUPPLY PLANS FOR PREFABRICATED SEGMENTS BEFORE CONSTRUCTION OF SUBSTRUCTURE TO CONFIRM BEARING SEAT HEIGHTS AND ANCHOR BOLT CONFIGURATION. T/PIER CAP ELEVATIONS SHOWN ARE BASED ON 27" DEPTH OF BEAM PLUS 4" BEARING FOR 31" TOTAL. T/PIER CAP TO BE ADJUSTED ACCORDINGLY.
 10. CONTRACTOR SHALL VERIFY GROUND SURFACE ELEVATIONS AND ENSURE B/FOOTING ELEVATION IS MINIMUM 4 FEET BELOW GRADE AT ALL LOCATIONS.
 11. FOR HAIRPIN REINFORCEMENT DETAILS SEE SHEET SB-040.
 12. ANCHOR BOLT SIZES AND LOCATIONS FOR THE PREFABRICATED ROLLED BEAM BEARINGS TO BE PROVIDED AFTER COMMISSIONER RECEIVES DRAWINGS FROM SUPPLIER.

CHICAGO DEPARTMENT OF AVIATION
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CITY OF CHICAGO
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MAYOR RAHM EMANUEL
COMMISSIONER GINGER S. EVANS

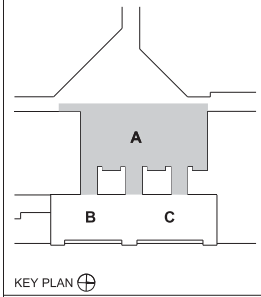
SEAL
JENNIFER S. DRAKE
08-006620
EXPIRES: 11/30/2018

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Chicago, IL 60604
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MARK DATE ISSUANCE

1	12/27/2016	ISSUED FOR BID
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PROJECT NAME:
MIDWAY AIRPORT PASSENGER SECURITY CHECKPOINT EXPANSION

DESIGNED: AMM DRAWN: AMM CHECKED: JSD

ISSUE:
ISSUED FOR BID

PROJECT NO.: M9185.12
DATE: DECEMBER 27, 2016

SHEET TITLE:
PIER 5 AND 6 NORTH AND SOUTH EXTENSIONS

REVISION SHEET NO. **SB-039**

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