RECORD DRAWING.
AS-BUILT.
3-21-08.

Plunkett Raysich Architects, LLP

MILWAUKEE, WI ▲ MADISON, WI ▲ NORTHBROOK, IL

▲ 11000 West Park Place ▲ Milwaukee, WI 53224 ▲ FAX 414 359-3070 ▲ TEL 414 359-3060

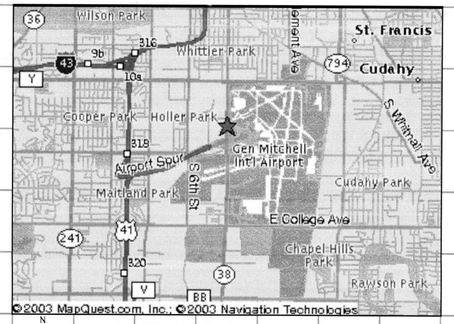
MILWAUKEE COUNTY DEPARTMENT OF PARKS & PUBLIC INFRASTRUCTURE

GENERAL MITCHELL INTERNATIONAL AIRPORT 5300 SOUTH HOWELL MILWAUKEE, WISCONSIN 53207

GENERAL MITCHELL INTERNATIONAL AIRPORT-
CONCOURSE 'D' STEM IMPROVEMENTS

CONSTRUCTION DOCUMENTS
STEM IMPROVEMENTS
COUNTY PROJECT #A048-03001 - CONTRACT 2

GENERAL MITCHELL INTERNATIONAL AIRPORT
5300 SOUTH HOWELL AVE.
MILWAUKEE, WI. 53207



LOCATION MAP

GMIA - CONCOURSE 'D'
RECORD DRAWINGS - MARCH 2nd, 2007
PRA # 04090

DRAWING INDEX

ARCHITECTURAL

A000	TITLE SHEET
A001	CODE REVIEW WORKSHEETS AND INFORMATION
CP000	CONSTRUCTION PHASING SITE PLAN & GENERAL NOTES
CP001A	CONSTRUCTION PHASING PLAN – PHASE 1A
CP001B	CONSTRUCTION PHASING PLAN – PHASE 1B
CP001C	CONSTRUCTION PHASING PLAN – PHASE 1C
CP001D	CONSTRUCTION PHASING PLAN – PHASE 1D
CP002	CONSTRUCTION PHASING PLAN – PHASE 2
CP003	CONSTRUCTION PHASING PLAN – PHASE 3
C001	PROJECT LOCATION
C002	EXISTING SITE CONDITIONS
C003	SITE DEMOLITION PLAN
C004	SITE PLAN
C005	UTILITY PLAN
C006	CONSTRUCTION DETAILS
A100	OVERALL APRON LEVEL DEMOLITION PLAN
A101	OVERALL CONCOURSE LEVEL DEMOLITION PLAN & OVERALL CONCOURSE LEVEL CEILING DEMOLITION PLAN
A102	ENLARGED APRON LEVEL DEMOLITION PLAN – WEST
A103	ENLARGED APRON LEVEL DEMOLITION PLAN – EAST
A104	ENLARGED CONCOURSE LEVEL DEMOLITION PLAN – WEST
A105	ENLARGED CONCOURSE LEVEL DEMOLITION PLAN – EAST
A106	ENLARGED CONCOURSE LEVEL CEILING DEMOLITION PLAN – WEST
A107	ENLARGED CONCOURSE LEVEL CEILING DEMOLITION PLAN – EAST
A200	OVERALL APRON LEVEL FLOOR PLAN
A201	OVERALL CONCOURSE LEVEL FLOOR PLAN
A202	ENLARGED APRON LEVEL FLOOR PLAN – WEST
A203	ENLARGED APRON LEVEL FLOOR PLAN – EAST
A204	ENLARGED CONCOURSE LEVEL FLOOR PLAN – WEST
A205	ENLARGED CONCOURSE LEVEL FLOOR PLAN – EAST, OPERATIONS ROOM FLOOR PLAN
A206	CABIN SERVICES DEMOLITION, FLOOR PLAN & REFLECTED CLNG PLAN
A207	ENLARGED CONCOURSE LEVEL FLOOR PLANS @ HAMMERHEAD
A210	FIREPROOFING PLAN – APRON AND CONCOURSE LEVELS
A212	ENLARGED APRON LEVEL FLOOR PATTERN PLAN – WEST
A213	ENLARGED APRON LEVEL FLOOR PATTERN PLAN – EAST
A214	ENLARGED CONCOURSE LEVEL FLOOR PATTERN PLAN – WEST
A215	ENLARGED CONCOURSE LEVEL FLOOR PATTERN PLAN – EAST , ATRIUM
A216	ROOM FINISH SCHEDULE, MATERIAL SCHEDULE
A217	ENLARGED TOILET ROOM FLOOR PATTERN PLANS
A218	ENLARGED TOILET ROOM WALL PATTERN PLANS
A220	INTERIOR WALL ELEVATIONS
A222	ENLARGED APRON LEVEL SIGNAGE PLAN – WEST
A223	ENLARGED APRON LEVEL SIGNAGE PLAN – EAST
A224	ENLARGED CONCOURSE LEVEL SIGNAGE PLAN – WEST
A225	ENLARGED CONCOURSE LEVEL SIGNAGE PLAN – EAST
A226	ENLARGED CONCOURSE LEVEL SIGNAGE PLAN – HAMMERHEAD
A227	INTERIOR AND EXTERIOR SIGNAGE DETAILS
A228	M.U.F.I.D.S. DETAILS
A229	M.U.F.I.D.S. DETAILS
A232	ENLARGED APRON LEVEL FURNITURE PLAN – WEST
A233	ENLARGED APRON LEVEL FURNITURE PLAN – EAST
A234	ENLARGED CONCOURSE LEVEL FURNITURE PLAN – WEST
A235	ENLARGED CONCOURSE LEVEL FURNITURE PLAN – EAST, HAMMERHEAD
A236	ENLARGED CONCOURSE LEVEL FURNITURE PLAN – HAMMERHEAD
A237	CONCOURSE 'C' FURNITURE PLAN
A238	CONCOURSE 'C' FURNITURE PLAN
A241	ENLARGED ROOF PLAN – WEST
A242	ENLARGED ROOF PLAN – EAST
A300	OVERALL APRON LEVEL REFLECTED CEILING PLAN
A301	OVERALL CONCOURSE LEVEL REFLECTED CEILING PLAN
A302	ENLARGED APRON LEVEL REFLECTED CEILING PLAN – WEST
A303	ENLARGED APRON LEVEL REFLECTED CEILING PLAN – EAST
A304	ENLARGED CONCOURSE LEVEL REFLECTED CEILING PLAN – WEST
A305	ENLARGED CONCOURSE LEVEL REFLECTED CEILING PLAN – EAST, OPERATIONS ROOM REFLECTED CEILING PLAN
A400	EXTERIOR ELEVATIONS – SOUTH
A401	EXTERIOR ELEVATIONS – NORTH
A500	BUILDING SECTIONS
A501	BUILDING SECTIONS

ARCHITECTURAL (CONT.)

A600	EXTERIOR DETAILS
A601	EXTERIOR DETAILS
A700	ENLARGED STAIR PLAN, STAIR SECTION & DETAILS
A800	INTERIOR ELEVATIONS
A801	DETAILED FLOOR PLANS AND MOUNTING HEIGHTS
A802	APRON LEVEL PODIUM & BACKSCREEN ELEVATIONS & DTLS.
A803	SECURITY CHECKPOINT WALL– DEMOLITION & FLOOR PLANS/ INTERIOR ELEVATION & DETAILS
A810	DOOR SCHEDULE, DOOR TYPES, FRAME TYPES & INT. DTLS.
A820	INTERIOR DETAILS

STRUCTURAL

S202	ENGLARGED APRON LEVEL FOUNDATION PLAN – WEST
S203	ENGLARGED APRON LEVEL FOUNDATION PLAN – EAST
S204	ENGLARGED CONCOURSE LEVEL FRAMING PLAN – WEST
S205	ENGLARGED CONCOURSE LEVEL FRAMING PLAN – EAST
S241	ENGLARGED ROOF FRAMING PLAN – WEST
S242	ENGLARGED ROOF FRAMING PLAN – EAST
S500	GENERAL NOTES AND SECTIONS
S501	SECTIONS
S502	SECTIONS
S503	SECTIONS
S504	SECTIONS
S505	SECTIONS
S506	SECTIONS
S507	SECTIONS

PLUMBING

P000	COVER SHEET – PLUMBING
P100	FOUNDATION DEMOLITION PLAN WEST – PLUMBING
P101	FOUNDATION DEMOLITION PLAN EAST – PLUMBING
P102	APRON LEVEL DEMOLITION PLAN WEST – PLUMBING
P103	APRON LEVEL DEMOLITION PLAN EAST – PLUMBING
P104	APRON LEVEL DEMOLITION PLAN – PLUMBING
P105	CONCOURSE LEVEL DEMOLITION PLAN WEST – PLUMBING
P106	CONCOURSE LEVEL DEMOLITION PLAN EAST – PLUMBING
P107	ROOF DEMOLITION PLAN WEST – PLUMBING
P108	ROOF DEMOLITION PLAN EAST – PLUMBING
P200	FOUNDATION PLAN WEST – PLUMBING
P201	FOUNDATION PLAN EAST – PLUMBING
P202	FOUNDATION PLAN – PLUMBING
P203	APRON LEVEL PLAN WEST – PLUMBING
P204	APRON LEVEL PLAN EAST – PLUMBING
P205	APRON LEVEL PLAN – PLUMBING
P206	CONCOURSE LEVEL PLAN WEST – PLUMBING
P207	CONCOURSE LEVEL PLAN EAST – PLUMBING
P208	ROOF PLAN WEST – PLUMBING
P209	ROOF PLAN EAST – PLUMBING
P300	DETAILS – PLUMBING
P400	DRAIN, WASTE AND VENT ISOMETRIC – PLUMBING
P401	DRAIN, WASTE AND VENT ISOMETRIC – PLUMBING
P500	WATER ISOMETRIC – PLUMBING

FIRE PROTECTION

FP000	COVER SHEET – FIRE PROTECTION
FP100	APRON LEVEL DEMOLITION PLAN WEST – FIRE PROTECTION
FP101	APRON LEVEL DEMOLITION PLAN EAST – FIRE PROTECTION
FP102	APRON LEVEL DEMOLITION PLAN – FIRE PROTECTION
FP103	CONCOURSE LEVEL DEMOLITION PLAN WEST – FIRE PROTECTION

FIRE PROTECTION (CONT.)

FP104	CONCOURSE LEVEL DEMOLITION PLAN EAST–FIRE PROTECT.
FP200	APRON LEVEL PLAN WEST – FIRE PROTECTION
FP201	APRON LEVEL PLAN EAST – FIRE PROTECTION
FP202	APRON LEVEL PLAN – FIRE PROTECTION
FP203	CONCOURSE LEVEL PLAN WEST – FIRE PROTECTION
FP204	CONCOURSE LEVEL PLAN EAST – FIRE PROTECTION

MECHANICAL

H000	SYMBOLS & ABBREVIATIONS – HVAC
H102	ENLARGED APRON LEVEL DEMOLITION PLAN WEST – HVAC
H103	ENLARGED APRON LEVEL DEMOLITION PLAN EAST – HVAC
H104	ENLARGED CONCOURSE LEVEL DEMOLITION PLAN WEST – HVAC
H105	ENLARGED CONCOURSE LEVEL & GATE D52 DEMOLITION PLAN EAST – HVAC
H140	OVERALL ROOF DEMOLITION PLAN – HVAC
H202	ENLARGED APRON LEVEL FLOOR PLAN WEST – HVAC
H203	ENLARGED APRON LEVEL FLOOR PLAN EAST – HVAC
H203A	ENLARGED APRON LEVEL FLOOR PLAN HAMMERHEAD – HVAC
H204	ENLARGED CONCOURSE LEVEL FLOOR PLAN WEST – HVAC
H205	ENLARGED CONCOURSE LEVEL & GATE D52 FLOOR PLAN EAST – HVAC
H240	OVERALL ROOF PLAN – HVAC
H500	SECTIONS – HVAC
H700	DETAILS – HVAC
H701	DETAILS – HVAC
H800	SCHEDULES – HVAC
H801	SCHEDULES – HVAC

ELECTRICAL

E100	SYMBOLS & ABBREVIATIONS
E201	APRON PLAN–ELECTRICAL–DEMO–WEST
E202	APRON PLAN–ELECTRICAL–DEMO–EAST
E203	CABIN SERVICES–ELECTRICAL–DEMO
E211	CONCOURSE PLAN–ELECTRICAL–DEMO–WEST
E212	CONCOURSE PLAN–ELECTRICAL–DEMO–EAST
E301	APRON PLAN – ELECTRICAL – LIGHTING – WEST
E302	APRON PLAN – ELECTRICAL – LIGHTING – EAST
E303	APRON PLAN – CABIN SERVICES – LIGHTING – EAST
E311	CONCOURSE PLAN – ELECTRICAL – LIGHTING – WEST
E312	CONCOURSE PLAN – ELECTRICAL – LIGHTING – EAST
E400	APRON PLAN – ELECTRICAL – POWER & SYSTEMS – TICKETING
E401	APRON PLAN – ELECTRICAL – POWER – WEST
E402	APRON PLAN – ELECTRICAL – POWER – EAST
E403	APRON PLAN – CABIN SERVICES – POWER – EAST
E411	CONCOURSE PLAN – ELECTRICAL – POWER – WEST
E412	CONCOURSE PLAN–ELECTRICAL–POWER–EAST
E413	CONCOURSE PLAN – ELECTRICAL – POWER – HAMMERHEAD
E501	APRON PLAN – ELECTRICAL – SYSTEMS – WEST
E502	APRON PLAN – ELECTRICAL – SYSTEMS – EAST
E503	APRON PLAN – CABIN SERVICES – SYSTEMS – EAST
E511	CONCOURSE PLAN – ELECTRICAL – SYSTEMS – WEST
E512	CONCOURSE PLAN – ELECTRICAL – SYSTEMS – EAST
E513	CONCOURSE PLAN – ELECTRICAL – SYSTEMS – HAMMERHEAD
E600	ROOF PLAN–ELECTRICAL
E700	ELECTRICAL DETAILS
E701	ELECTRICAL DETAILS AND LARGE SCALE PLANS
E702	ELECTRICAL DETAILS
E800	ELECTRICAL SCHEDULES
E900	ONE LINE POWER DISTRIBUTION DIAGRAM
E901	ONE LINE POWER DISTRIBUTION DIAGRAM

PROJECT INFORMATION

APPLICABLE CODES AND ZONING:

WISCONSIN ENROLLED COMMERCIAL BUILDING CODE 2002
ASSEMBLY OCCUPANCY: GROUP 'A–3'
AIRPORT – PASSENGER WAITING AREA
ZONING: CITY OF MILWAUKEE 2003 ORDINANCES

ADA ACCESS ROUTE :

ENTIRE BUILDING IS ACCESSIBLE

TYPE OF CONSTRUCTION

NEW CONSTRUCTION (ADDITION)
TYPE OF CONSTRUCTION, TYPE IIA
METAL FRAME PROTECTED– FULLY SPRINKLERED

CONC. D STEM IS FULLY SPRINKLERED

PARKING REQUIREMENTS:

EXISTING PARKING TO REMAIN AS IS

FIREPROOFING SCHEDULE,
FIRE-RESISTIVE RATING REQUIREMENTS:

BUILDING ELEMENT:	RATING
COLUMNS	1 HR
BEAMS	1 HR
JOISTS	1 HR
DECK	1 HR
ROOF FRAMING	1 HR

PROJECT TEAM

STRUCTURAL

BLOOM CONSULTANTS, LLC — T : (414) 771-3390 — F : (414) 771-4490

PLUMBING/ FIRE PROTECTION/ HVAC

PSJ ENGINEERING, INC. — T : (414) 352-2211 — F : (414) 351-8835

ELECTRICAL

ARNOLD & O'SHERIDAN, INC. — T : (262) 783-6130 — F : (262) 783-5121

INTERIOR DESIGN

QUORUM ARCHITECTS, INC. — T : (414) 265-9265 — F : (414) 265-9465

AVIATION PLANNER

RICONDO — T : (312) 606-0611 — F : (312) 606-0706

SURVEY AND CIVIL ENGINEER

EMCS — T : (414) 347-1607 — F : (414) 347-1347

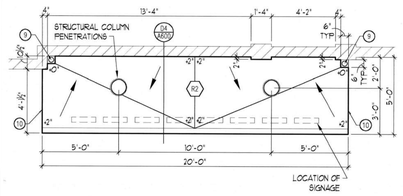
COST ANALYSIS

THE BENTLEY COMPANY — T : (414) 365-6000 — F : (414) 365-6001

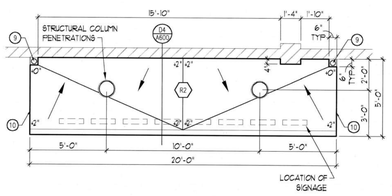
RECOMMENDED FOR APPROVAL BY _____ DATE _____
PROJECT APPROVAL BY _____ DIRECTOR–DEPARTMENT OF PARKS AND PUBLIC INFRASTRUCTURE
DATE _____ PROJECT MANAGER REVIEW BY: _____ DATE: _____

BUILDING NO. 207
SITE NO. 290
PROJECT NO. A048–03001 CONTRACT 2
SHEET NO. 1 OF 160
FILE NO. –

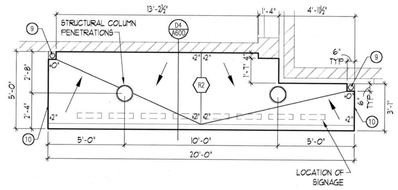
Plunkett Raysich Architects, LLP – G:\EMPLOYEEFOLDERS\paschmidt\GMIA Concourse D Stem Compilation CD Oct. 31 2007\Architectural_Building\A000.dwg [000] February 20, 2008 – 10:01am paschmidt



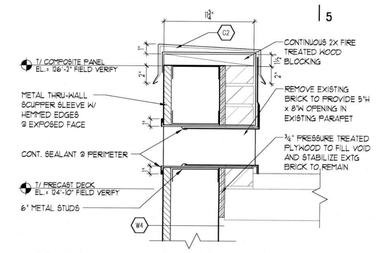
A1/A241 ARRIVAL CANOPY ROOF PLAN
ARRIVALS VESTIBULE RM. 115 — 1/4"=1'-0"



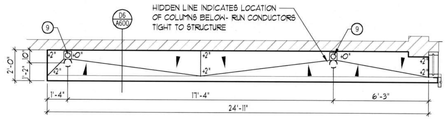
A2/A241 ARRIVAL CANOPY ROOF PLAN
ARRIVALS VESTIBULE RM. 135 — 1/4"=1'-0"



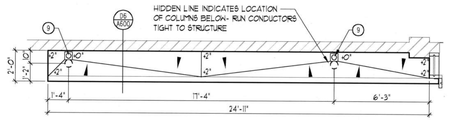
A3/A241 ARRIVAL CANOPY ROOF PLAN
ARRIVALS VESTIBULE RM. 151 — 1/4"=1'-0"



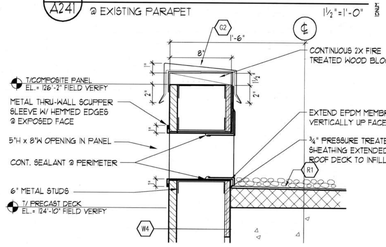
A4/A241 THRU-WALL SCUPPER
@ EXISTING PARAPET — 1½"=1'-0"



B1/A241 DEPARTURE CANOPY ROOF PLAN
ARRIVALS VESTIBULE RM. 121 — 1/4"=1'-0"



B3/A241 DEPARTURE CANOPY ROOF PLAN
ARRIVALS VESTIBULE RM. 145 — 1/4"=1'-0"



B4/A241 THRU-WALL SCUPPER
1½" = 1'-0"

ROOF PLAN - SYMBOLS LEGEND

- DIRECTION OF STRUCTURAL SLOPE TO DRAIN
- SLOPE DIRECTION OF INSULATION TAPER SLOPE TO DRAIN. MINIMUM ALLOWABLE TAPER SLOPE SHALL BE ¼" PER FOOT UNLESS NOTED OTHERWISE
- TAPERED INSULATION VALLEY OR RIDGE
- +2" TAPERED INSULATION THICKNESS ABOVE DECK
- LOCATION OF 2'X2' CONCRETE PAVER WALKWAY
- (1) ROOF PLAN NOTE
- CONSTRUCTION LIMITS

ROOF PLAN - GENERAL NOTES

A. COORDINATE AND VERIFY ALL ROOF OPENINGS AND PENETRATIONS WITH STRUCTURAL, PLUMBING, HVAC, AND ELECTRICAL REQUIREMENTS. LOCATE ROOF DRAINS & PIPING SO AS TO MAINTAIN INTEGRITY OF STRUCTURAL COMPONENTS.

B. PROVIDE WATER TIGHT INTEGRITY AT ALL PENETRATIONS AND EQUIPMENT PER ROOFING MANUFACTURERS STANDARD DETAILS AND REQUIREMENTS FOR WARRANTY AND CURRENT NRCA STANDARDS.

C. PROVIDE POSITIVE ROOF DRAINAGE INCLUDING TAPERED INSULATION LAYOUT. PROVIDE SADDLES AND CRICKETS AT ALL ROOF TOP EQUIPMENT AND PENETRATIONS TO ENSURE POSITIVE DRAINAGE.

D. AT AREAS OF NEW INSULATION, THE MINIMUM INSULATION THICKNESS SHALL BE 2" AND THE MINIMUM AGED R-VALUE SHALL BE R-10.

E. CONNECT ALL NEW DOWNSPOUTS & ROOF CONDUCTORS TO STORM DRAIN SYSTEM.

F. PAINT ALL NEW ROOF TOP MECHANICAL EQUIPMENT. VERIFY COLOR WITH ARCHITECT.

CONSTRUCTION KEYNOTE LEGEND

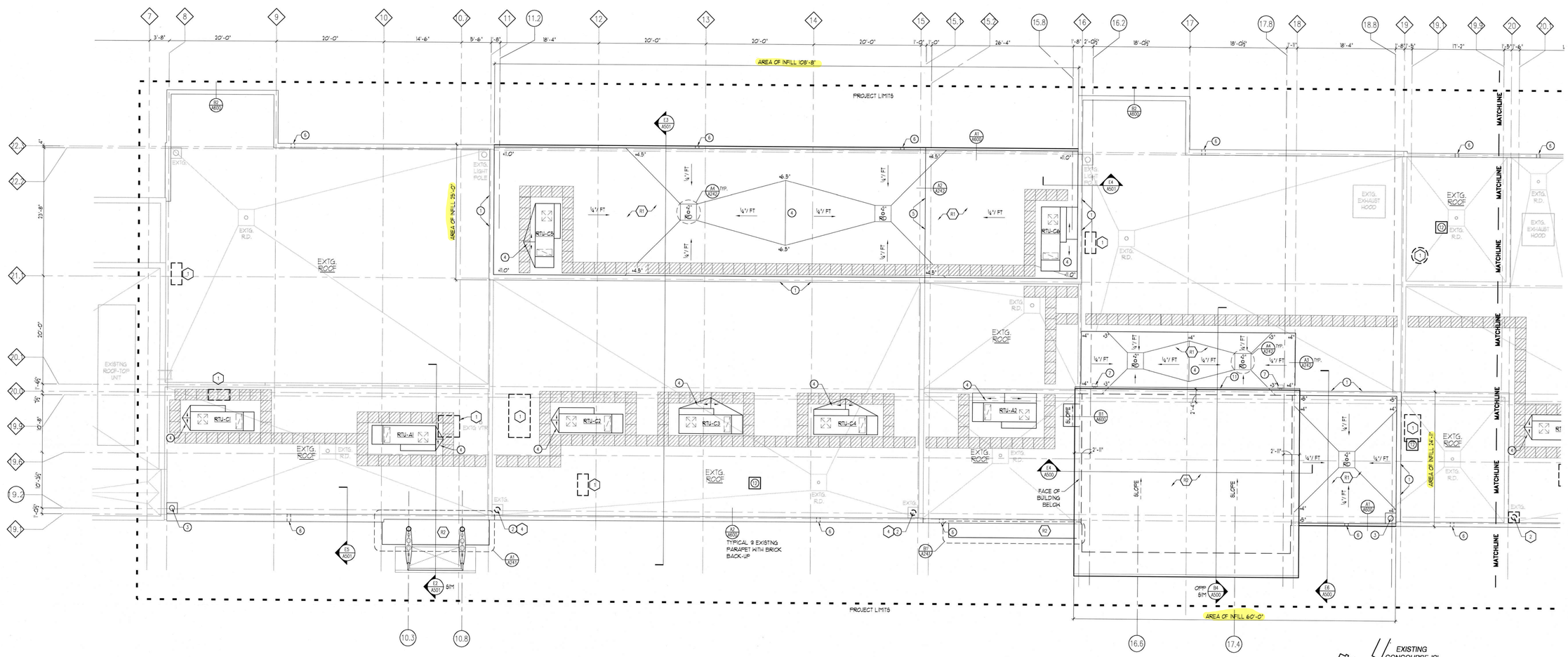
- (02) METAL COPING SYSTEM: METAL COPING ON PRESSURE TREATED 2x WOOD BLOCKING
- (03) METAL GUTTER AND DOWNSPOUT. (REFER TO DTL C3/A6.00)
- (04) 5"x8" PREFINISHED MTL SCUPPER
- (09) METAL COUNTERFLASHING: TWO PIECE "SNAP-IN" METAL COUNTERFLASHING W/ SURFACE MOUNTED RECEIVER W/ MECHANICAL FASTENERS @ 12" OC W/ NEOPRENE WASHERS @ EXPOSED FASTENER HEADS.
- (013) METAL COUNTERFLASHING: TWO PIECE "SNAP-IN" METAL COUNTERFLASHING W/ RECEIVER WEDGED-IN-PLACE IN SAW CUT JOINT (¾" HIGH X 1½" DEEP). SECURE 1½" LONG MOUNTING FLANGE W/ LEAD WEDGES & SEAL W/ BACKER ROD & SEALANT.
- (R1) SINGLE PLY ROOFING SYSTEM: LOOSELY LAID AND BALLASTED EPDM MEMBRANE ON POLYISOCYANURATE RIGID INSULATION ON CONCRETE DECK.
- (R2) SINGLE PLY ROOFING SYSTEM: FULLY ADHERED EPDM MEMBRANE ON ½" COVER BOARD ON POLYISOCYANURATE RIGID INSULATION ON METAL DECK.

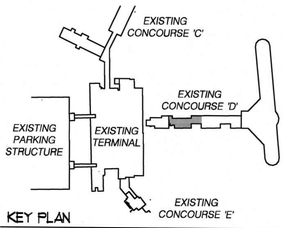
ROOF PLAN DEMOLITION NOTES

1. REMOVE EXISTING VENT STACK/ ROOF TOP UNIT/ EXHAUST OR INTAKE HOODS AND ASSOCIATED CURB (SEE HVAC). INFILL ROOF STRUCTURE (SEE STRUCT) & MATCH INSULATION THICKNESS. PATCH EXISTING ROOF MEMBRANE AS REQUIRED.
2. REMOVE LIGHT FIXTURE, POLE, AND BREAKAWAY BASE/ JUNCTION BOX. STRUCTURAL SUPPORT BASE TO REMAIN, CAP TOP TO ENSURE AGAINST WATER INTRUSION.
3. REMOVE FIXTURE, POLE, AND SUPPORT BASE DOWN TO STRUCTURE. INFILL ROOF STRUCTURE (SEE STRUCT) & MATCH INSULATION THICKNESS. PATCH ROOF MEMBRANE AS REQUIRED.
4. REMOVE EXISTING LIGHT FIXTURE, POLE TO REMAIN FOR REUSE.

ROOF PLAN NOTES

1. EXISTING BRICK PARAPET TO REMAIN- SEE DTL A1/A242 FOR PROCEDURE AT NEW CONSTRUCTION.
2. PROVIDE NEW LIGHT FIXTURE @ EXISTING POLE.
3. PROVIDE NEW ROOF MOUNTED SUPPORT BASE (SEE STRUCT). JUNCTION BOX/ BREAKAWAY BASE, POLE, AND NEW LIGHT FIXTURE (SEE ELEC).
4. TAPERED INSULATION SADDLE.
5. EXPANSION JOINT- SEE DETAIL A2/A242.
6. THRU WALL METAL SCUPPER (SEE DETAILS A4/A241 & B4/A241).
7. CONCRETE SPLASH BLOCK.
8. RELOCATED VENT THROUGH ROOF.
9. PAINLESS ROOF DRAIN- SEE DETAIL A4/A242.
10. ADJUST FASCIA HEIGHT AS REQUIRED TO COORDINATE WITH DEPTH OF ROOF INSULATION.
11. PREFINISHED METAL GUTTER & DOWNSPOUT.
12. NEW EXHAUST HOOD.
13. PROVIDE AGGREGATE PANEL COVER OVER EXISTING MASONRY. PROVIDE NEW COPING. PROVIDE BASE FLASHING AT BOTTOM OF NEW AGGREGATE PANELS. TUCK POINT EXISTING MASONRY JOINTS THAT HAVE BEEN SEALED AND ENSURE MASONRY VENEER IS SECURE TO BACKUP MASONRY. SEAL ALL PENETRATIONS AT AGGREGATE PANEL AND ALIGN EXPANSION JOINTS AT AGGREGATE PANELS WITH EXPANSION JOINTS AT EXISTING MASONRY.





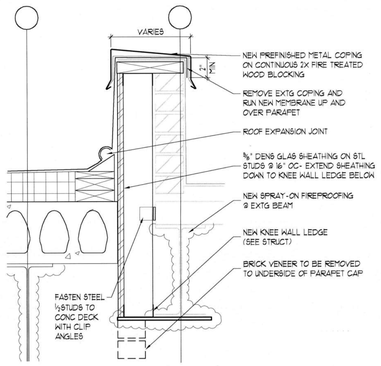
N WEST ROOF PLAN — 1/8" = 1'-0"

N KEY PLAN — N.T.S.

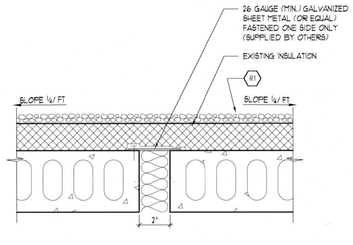
Plunkett Raysich Architects LLP
Milwaukee, WI • Madison, WI • Northbrook, IL
11000 West Park Place
Milwaukee, WI 53224
Tel 414 359-3060
Fax 414 359-3070
www.prarch.com
Intelligent Designs Inspired Results

RECORD DRAWINGS	NO.
REVISION:	DRAWN BY:
DATE: 8/2/07	MILWAUKEE COUNTY DEPARTMENT OF PARKS & PUBLIC INFRASTRUCTURE
GENERAL MITCHELL INTERNATIONAL AIRPORT 5300 SOUTH HOWELL MILWAUKEE, WISCONSIN 53207	

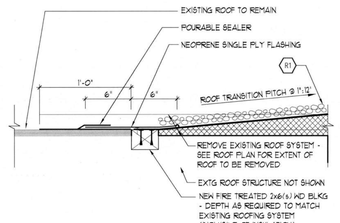
DESIGN FIRM: PLUNKETT RAYSICH ARCHITECTS LLP
DRAWN BY: GMF
CHECKED BY: PWS
SCALE: AS SHOWN
DATE: 4-04-05
PROJECT TITLE: GMIA CONCOURSE 'D' STEM IMPROVEMENTS
SHEET DESCRIPTION: ENLARGED ROOF PLAN - WEST
SITE NO: 290
BUILDING NO: 207
PROJECT NO. A048-03001
CONTRACT 2
SHEET NO. A241
FILE NO. -



A1/A242 EXTG PARAPET TO REMAIN DTL.
1½" = 1'-0"



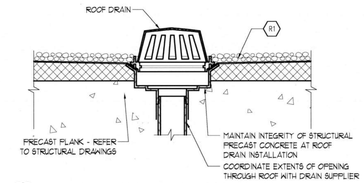
A2/A242 ROOF EXPANSION JT. @ PRECAST DECK
1½"=1'-0"



A3/A242 NEW TO EXISTING ROOF SYSTEM TIE-IN
1½"=1'-0"

CONSTRUCTION KEYNOTE LEGEND

- C2 METAL COPING SYSTEM: METAL COPING ON PRESSURE TREATED 2x WOOD BLOCKING
- C3 METAL GUTTER AND DOWNSPOUT. (REFER TO DTL C3/A6.00)
- C4 5"x8" PREFINISHED MTL SCUPPER
- C9 METAL COUNTERFLASHING: TWO PIECE "SNAP-IN" METAL COUNTERFLASHING W/ SURFACE MOUNTED RECEIVER W/ MECHANICAL FASTENERS @ 12" OC W/ NEOPRENE WASHERS @ EXPOSED FASTENER HEADS.
- C13 METAL COUNTERFLASHING: TWO PIECE "SNAP-IN" METAL COUNTERFLASHING W/ RECEIVER WEDGED-IN PLACE IN SAW CUT JOINT (¾" HIGH X 1½" DEEP). SECURE 1¼" LONG MOUNTING FLANGE W/ LEAD WEDGES & SEAL W/ BACKER ROD & SEALANT.
- R1 SINGLE PLY ROOFING SYSTEM: LOOSELY LAID AND BALLASTED EPDM MEMBRANE ON POLYISOCYANURATE RIGID INSULATION ON CONCRETE DECK.
- R2 SINGLE PLY ROOFING SYSTEM: FULLY ADHERED EPDM MEMBRANE ON ½" COVER BOARD ON POLYISOCYANURATE RIGID INSULATION ON METAL DECK.



A4/A242 ROOF DRAIN @ PRECAST DECK
1½" = 1'-0"

ROOF PLAN - SYMBOLS LEGEND

- DIRECTION OF STRUCTURAL SLOPE TO DRAIN
- SLOPE DIRECTION OF INSULATION TAPER SLOPE TO DRAIN. MINIMUM ALLOWABLE TAPER SLOPE SHALL BE ¼" PER FOOT UNLESS NOTED OTHERWISE
- TAPERED INSULATION VALLEY OR RIDGE
- +2" TAPERED INSULATION THICKNESS ABOVE DECK
- LOCATION OF 2'X2' CONCRETE PAVER WALKWAY
- 1 ROOF PLAN NOTE
- CONSTRUCTION LIMITS

ROOF PLAN - GENERAL NOTES

A. COORDINATE AND VERIFY ALL ROOF OPENINGS AND PENETRATIONS WITH STRUCTURAL, PLUMBING, HVAC, AND ELECTRICAL REQUIREMENTS. LOCATE ROOF DRAINS & PIPING SO AS TO MAINTAIN INTEGRITY OF STRUCTURAL COMPONENTS.

B. PROVIDE WATER TIGHT INTEGRITY AT ALL PENETRATIONS AND EQUIPMENT PER ROOFING MANUFACTURER'S STANDARD DETAILS AND REQUIREMENTS FOR WARRANTY AND CURRENT NRCA STANDARDS.

C. PROVIDE POSITIVE ROOF DRAINAGE INCLUDING TAPERED INSULATION LAYOUT. PROVIDE SADDLES AND CRICKETS AT ALL ROOF TOP EQUIPMENT AND PENETRATIONS TO ENSURE POSITIVE DRAINAGE.

D. AT AREAS OF NEW INSULATION, THE MINIMUM INSULATION THICKNESS SHALL BE 2" AND THE MINIMUM AGED R-VALUE SHALL BE R-10.

E. CONNECT ALL NEW DOWNSPOUTS & ROOF CONDUCTORS TO STORM DRAIN SYSTEM.

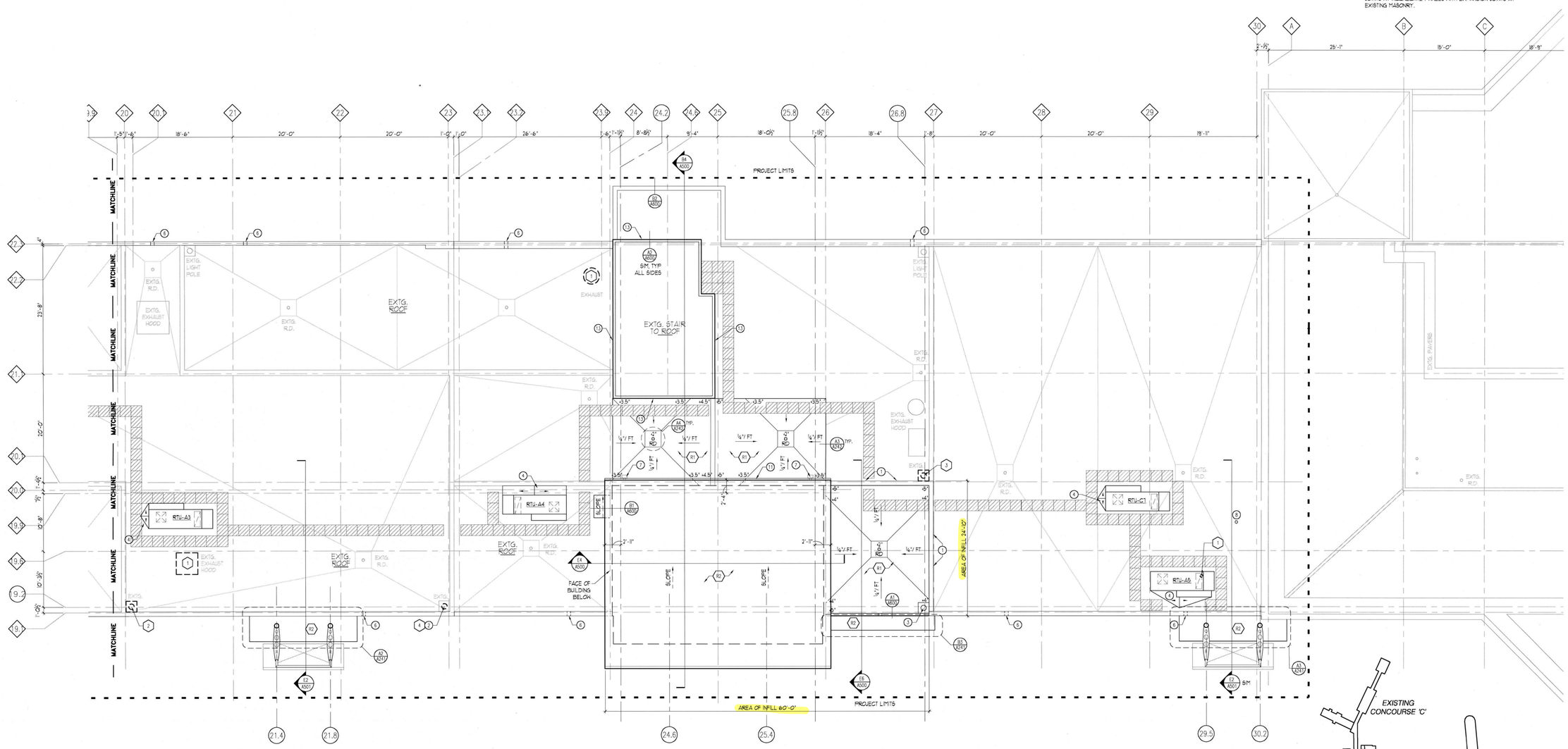
F. PAINT ALL NEW ROOF TOP MECHANICAL EQUIPMENT. VERIFY COLOR WITH ARCHITECT.

ROOF PLAN DEMOLITION NOTES

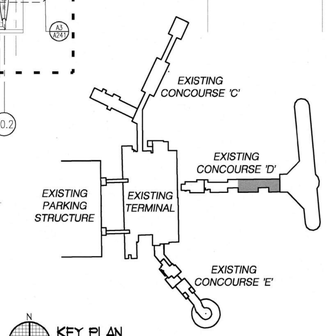
1. REMOVE EXISTING VENT STACK/ ROOF TOP UNIT/ EXHAUST OR INTAKE HOODS AND ASSOCIATED CURB (SEE HVAC). INFILL ROOF STRUCTURE (SEE STRUCT) & MATCH INSULATION THICKNESS. PATCH EXISTING ROOF MEMBRANE AS REQUIRED.
2. REMOVE LIGHT FIXTURE, POLE, AND BREAKAWAY BASE/ JUNCTION BOX. STRUCTURAL SUPPORT BASE TO REMAIN, CAP TOP TO ENSURE AGAINST WATER INTRUSION.
3. REMOVE FIXTURE, POLE, AND SUPPORT BASE DOWN TO STRUCTURE. INFILL ROOF STRUCTURE (SEE STRUCT) & MATCH INSULATION THICKNESS. PATCH ROOF MEMBRANE AS REQUIRED.
4. REMOVE EXISTING LIGHT FIXTURE, POLE TO REMAIN FOR REUSE.

ROOF PLAN NOTES

1. EXISTING BRICK PARAPET TO REMAIN- SEE DTL A1/A242 FOR PROCEDURE AT NEW CONSTRUCTION.
2. PROVIDE NEW LIGHT FIXTURE @ EXISTING POLE.
3. PROVIDE NEW ROOF MOUNTED SUPPORT BASE (SEE STRUCT), JUNCTION BOX/ BREAKAWAY BASE, POLE, AND NEW LIGHT FIXTURE (SEE ELEC).
4. TAPERED INSULATION SADDLE.
5. EXPANSION JOINT- SEE DETAIL A2/A242.
6. THRU WALL METAL SCUPPER (SEE DETAILS A4/A241 & B4/A241).
7. CONCRETE SPLASH BLOCK.
8. RELOCATED VENT THROUGH ROOF.
9. FANLESS ROOF DRAIN- SEE DETAIL A4/A242.
10. ADJUST FASCIA HEIGHT AS REQUIRED TO COORDINATE WITH DEPTH OF ROOF INSULATION.
11. PREFINISHED METAL GUTTER & DOWNSPOUT.
12. NEW EXHAUST HOOD.
13. PROVIDE AGGREGATE PANEL COVER OVER EXISTING MASONRY. PROVIDE NEW COPING. PROVIDE BASE FLASHING AT BOTTOM OF NEW AGGREGATE PANELS. TUCK POINT EXISTING MASONRY JOINTS THAT HAVE BEEN SEALED AND ENSURE MASONRY VENEER IS SECURE TO BACKUP MASONRY. SEAL ALL PENETRATIONS AT AGGREGATE PANEL AND ALIGN EXPANSION JOINTS AT AGGREGATE PANELS WITH EXPANSION JOINTS AT EXISTING MASONRY.



EAST ROOF PLAN
⅛" = 1'-0"



KEY PLAN
N.T.S.

Plunkett Raysich Architects LLP
Milwaukee, WI • Madison, WI • Northbrook, IL
11000 West Park Place
Milwaukee, WI 53224
Tel 414 359-3060
Fax 414 359-3070
www.prarch.com
Intelligent Designs Inspired Results

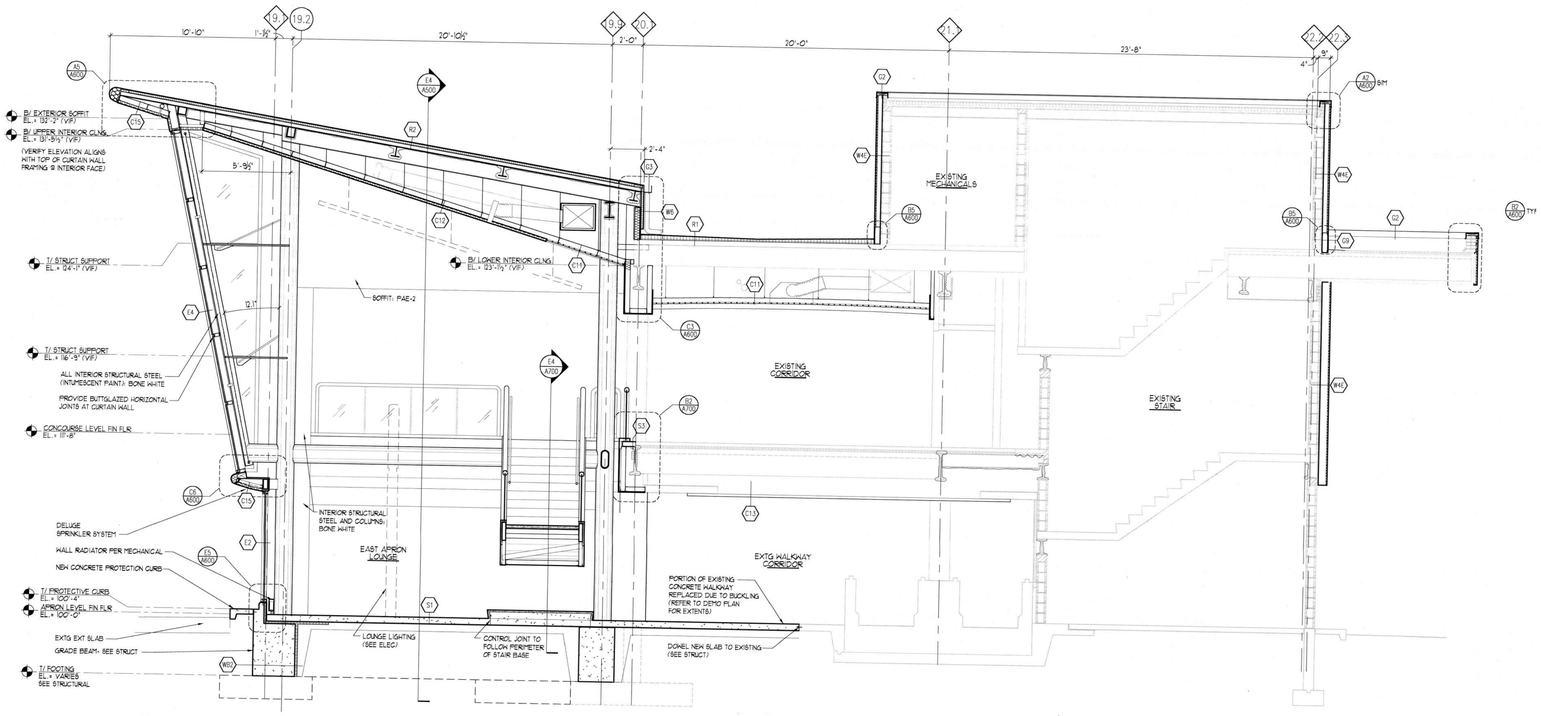
RECORD DRAWINGS	N.B.
REVISION:	DRAWN BY:
9/2/07	
DATE:	

MILWAUKEE COUNTY DEPARTMENT OF PARKS & PUBLIC INFRASTRUCTURE
GENERAL MITCHELL INTERNATIONAL AIRPORT 5300 SOUTH HOWELL MILWAUKEE, WISCONSIN 53207

DESIGN FIRM: PLUNKETT RAYSICH ARCHITECTS, LLP
DRAWN BY: GMF
CHECKED BY: PWS
SCALE: AS SHOWN
DATE: 4-04-05

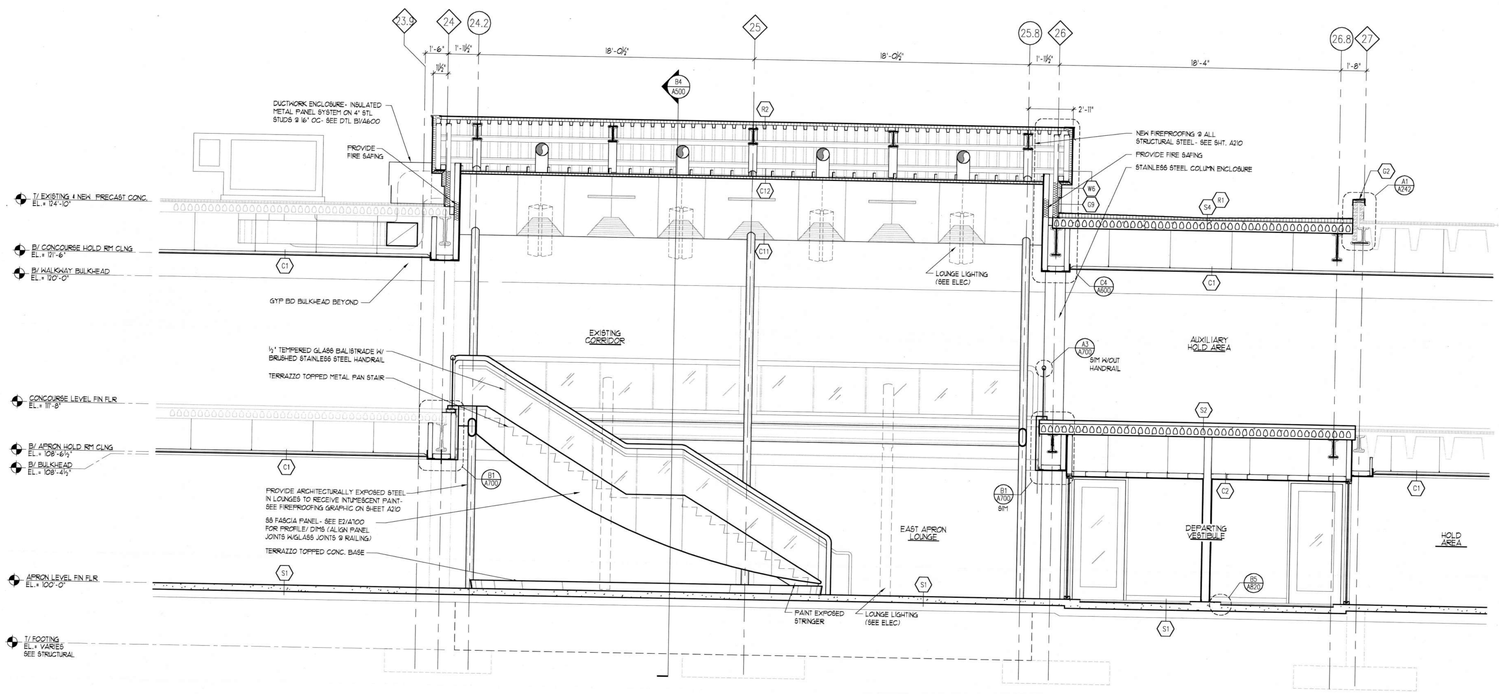
PROJECT TITLE: GMIA CONCOURSE 'D' STEM IMPROVEMENTS
SHEET DESCRIPTION: ENLARGED ROOF PLAN - EAST

SITE NO. 290
BUILDING NO. 207
PROJECT NO. A048-03001
CONTRACT 2
SHEET NO. A242
FILE NO. -



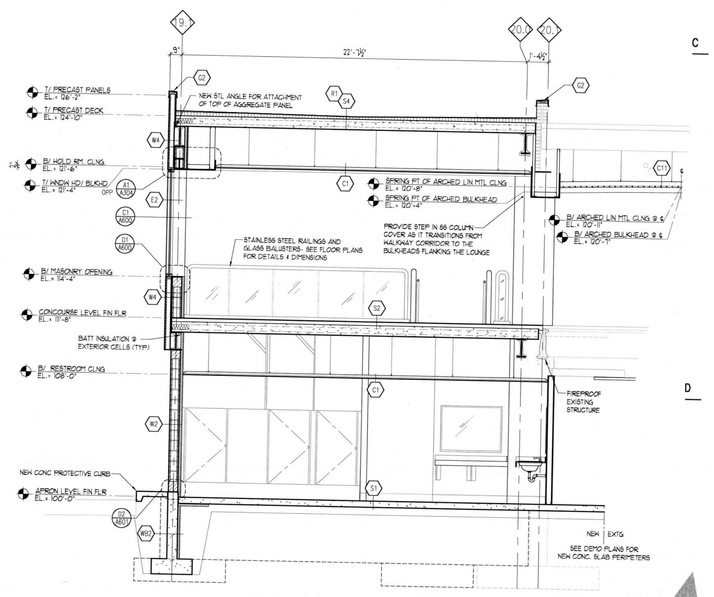
B4/A500 EAST APRON LOUNGE SECTION

¼"=1'-0"



E4/A500 EAST APRON LOUNGE SECTION

¼"=1'-0"



E6/A500 WALL SECTION @ SOUTH INFILL

¼"=1'-0"

CONSTRUCTION KEYNOTE LEGEND

- C1 LAY-IN CEILING PANELS IN GRID SYSTEM SUSPENDED FROM STRUCTURE ABOVE. REFER TO ROOM FINISH SCHEDULE FOR GRID TYPE.
- C2 ⅝" GYPSUM BOARD CEILING ON METAL SUSPENSION SYSTEM SUSPENDED FROM STRUCTURE ABOVE.
- C11 PERFORATED LINEAR METAL CEILING SYSTEM ON METAL SUSPENSION SYSTEM SUPPORTED FROM STRUCTURE ABOVE.
- C12 INSULATED METAL PANEL SYSTEM ON METAL SUSPENSION SYSTEM SUSPENDED FROM STUCTURE ABOVE.
- C13 EXISTING LINEAR METAL CEILING SYSTEM. SEE DEMOLITION PLANS & REFLECTED CEILING PLANS.
- C14 EXTERIOR SOFFIT: METAL SOFFIT PANEL SYSTEM (25% PERFORATED) ON LIGHT GAUGE RIGID FRAMING W/HORIZONTAL SUPPORTS @ METAL PANS @ 4'-0" O.C. MAXIMUM.
- C15 INSULATED METAL PANEL SYSTEM ON STRUCTURAL FRAMING.
- E2 ALUMINUM STOREFRONT SYSTEM WITH INSULATING GLASS.
- E3 ALUMINUM ENTRANCE SYSTEM WITH TEMPERED INSULATING GLASS.
- E4 ALUMINUM CURTAIN WALL SYSTEM WITH INSULATING GLASS. SEE BUILDING ELEVATIONS FOR GLASS TYPE.
- G2 METAL COPING SYSTEM: METAL COPING ON PRESSURE TREATED 2x WOOD BLOCKING
- G3 METAL GUTTER AND DOWNSPOUT. (REFER TO DTL C3/A600)
- G4 5"x8" PREFINISHED MTL SCUPPER
- G9 METAL COUNTERFLASHING: TWO PIECE "SNAP-IN" METAL COUNTERFLASHING W/ SURFACE MOUNTED RECEIVER W/ MECHANICAL FASTENERS @ 12" OC W/ NEOPRENE WASHERS @ EXPOSED FASTENER HEADS.
- G13 METAL COUNTERFLASHING: TWO PIECE "SNAP-IN" METAL COUNTERFLASHING W/ RECEIVER WEDGED-IN-PLACE IN SAW CUT JOINT (⅝" HIGH X 1½" DEEP). SECURE 1¼" LONG MOUNTING FLANGE W/ LEAD WEDGES & SEAL W/ BACKER ROD & SEALANT.
- R1 SINGLE PLY ROOFING SYSTEM: LOOSELY LAID AND BALLASTED EPDM MEMBRANE ON POLYISOCYANURATE RIGID INSULATION ON CONCRETE DECK.
- R2 SINGLE PLY ROOFING SYSTEM: FULLY ADHERED EPDM MEMBRANE ON ½" COVER BOARD ON POLYISOCYANURATE RIGID INSULATION ON METAL DECK.
- S1 5" REINFORCED CONCRETE SLAB ON VAPOR RETARDER ON 6" DRAINAGE FILL.
- S2 3" REINFORCED CONCRETE TOPPING ON 8" FIRE-RATED STRUCTURAL CONCRETE DECK.
- S3 3" CAST-IN-PLACE REINFORCED CONCRETE ON METAL DECK.
- S4 8" STRUCTURAL PRECAST CONCRETE DECK.

EXTERIOR WALL TYPE LEGEND

- W03 EXTERIOR WALL (BELOW GRADE): REINFORCED CAST-IN-PLACE CONCRETE FOUNDATION WALL. PROVIDE 2" RIGID FOUNDATION INSULATION, EXTEND 48" VERTICALLY ON WALL AND 24" HORIZONTALLY BELOW FLOOR SLAB.
- W2 EXTERIOR WALL: SINGLE WYTHE MASONRY WALL CONSISTING OF 8" CONCRETE MASONRY UNIT WITH 2" Z FURRING @ 16" OC W/ 2" RIGID INSULATION, VAPOR RETARDER & ONE LAYER ⅝" GYP BD AT INTERIOR FACE. PROVIDE HORIZONTAL MASONRY JOINT REINFORCING @ 16" OC. REFER TO STRUCTURAL DRAWINGS FOR REQUIRED VERTICAL REINFORCING! KEEP HOLES @ 16" OC. FLASHING, EXPANSION AND CONTROL JOINTS.
- W4 EXTERIOR WALL: COMPOSITE PANEL WALL SYSTEM CONSISTING OF EXPOSED AGGREGATE FINISH PANEL ON ⅝" CEMENT BD SHEATHING ON 4" GALVANIZED STEEL STUDS @ 16" OC ON 8" CONCRETE MASONRY UNIT BACK-UP. PROVIDE 2" Z FURRING @ 16" OC W/ 2" RIGID INSULATION, VAPOR RETARDER & ONE LAYER ⅝" GYP BD AT INTERIOR FACE. NOTE: USE 6" BLOCK ON NORTH WALL BETWEEN COLUMN LINES 11 AND 16.
- W4C EXTERIOR WALL: COMPOSITE PANEL WALL SYSTEM CONSISTING OF EXPOSED AGGREGATE FINISH PANEL ON ⅝" CEMENT BD SHEATHING ON 4" GALVANIZED STEEL STUDS @ 16" OC ON EXISTING MASONRY WALL CONSTRUCTION. PROVIDE 2" Z FURRING @ 16" OC W/ 2" RIGID INSULATION, VAPOR RETARDER & ONE LAYER ⅝" GYP BD AT INTERIOR FACE.
- W6C EXTERIOR WALL: COMPOSITE PANEL WALL SYSTEM CONSISTING OF EXPOSED AGGREGATE FINISH PANEL ON ⅝" CEMENT BD SHEATHING ON 4" GALVANIZED STEEL STUDS @ 16" OC ON EXISTING MASONRY WALL CONSTRUCTION. EXISTING FURRING AND GYP BD TO REMAIN.
- W6 EXTERIOR WALL: PANEL WALL SYSTEM CONSISTING OF 2" INSUL METAL PANELS, ON 16 GA. MIN GALVANIZED COLD FORMED MTL STUDS (REFER TO DTLS FOR SIZE) @ 16" O.C.
- W6C2 EXTERIOR WALL: COMPOSITE PANEL WALL SYSTEM CONSISTING OF EXPOSED AGGREGATE FINISH PANEL ON ⅝" CEMENT BD SHEATHING ON 4" GALVANIZED STEEL STUDS @ 16" OC ON EXISTING MASONRY WALL CONSTRUCTION. EXISTING FURRING AND GYP BD TO REMAIN. ALSO, ADD NEW LAYER OF ⅝" GYPSUM WALL BD OVER EXISTING GYPSUM WALL BD.

DATE	REVISION	DRAWN BY
3/2/07	RECORD DRAWINGS	NB

MILWAUKEE COUNTY DEPARTMENT OF PARKS & PUBLIC INFRASTRUCTURE
GENERAL MITCHELL INTERNATIONAL AIRPORT 6300 SOUTH HOWELL MILWAUKEE, WISCONSIN 53207

DESIGN FIRM: PLUNKETT RAYSICH ARCHITECTS, LLP
DRAWN BY: GMF
CHECKED BY: PWS

SCALE: AS SHOWN
DATE: 4-04-05

PROJECT TITLE: GMIA CONCOURSE 'D' STEM IMPROVEMENTS

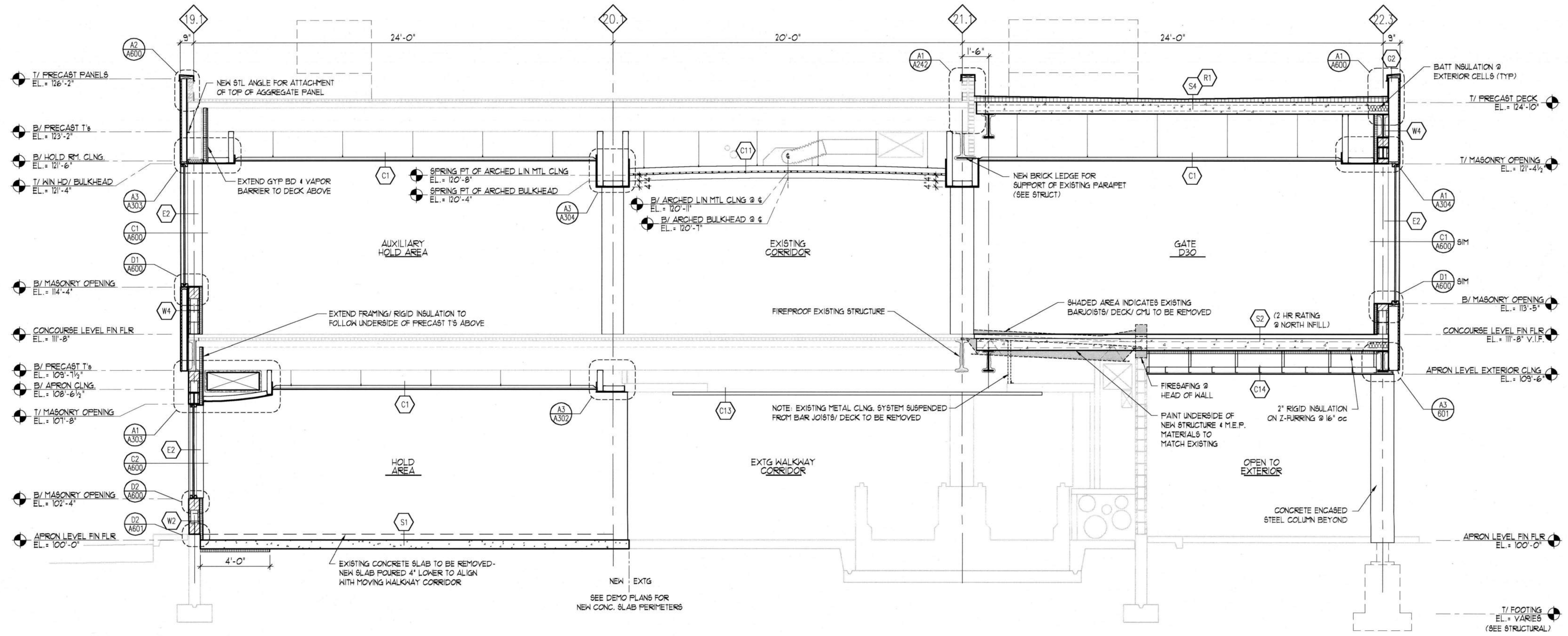
SITE NO.: 290
BUILDING NO.: 207
SHEET DESCRIPTION: BUILDING SECTIONS

PROJECT NO.: A048-03001
CONTRACT 2

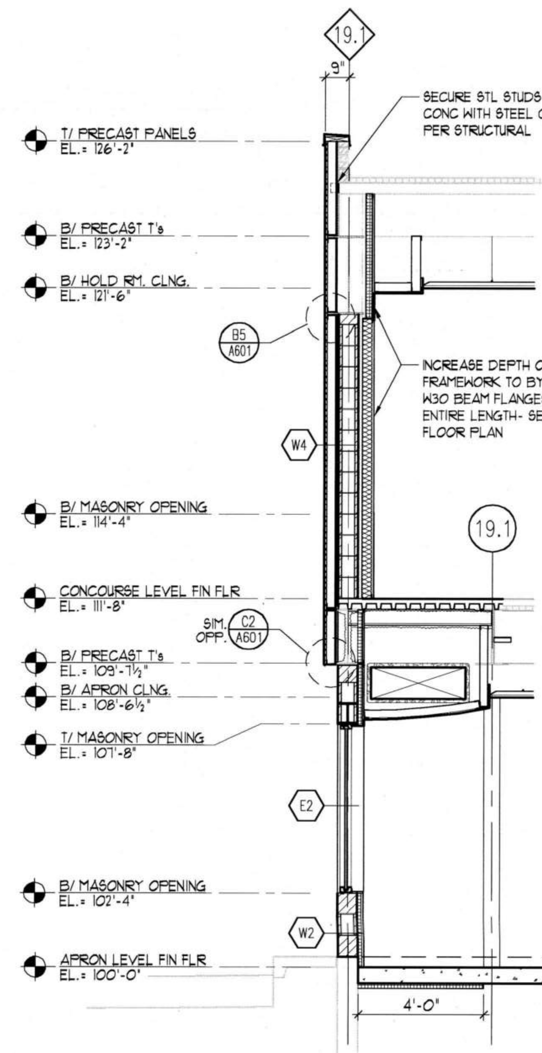
SHEET NO.: A500
SUB SHEET NO.: -

Plunkett Raysich Architects LLP
Milwaukee, WI • Madison, WI • Northbrook, IL
11000 West Park Place
Milwaukee, WI 53224
Tel 414 359-3060
Fax 414 359-3070
www.prarch.com

1 2 3 4 5 6



B3 / A501 TYPICAL BUILDING SECTION THRU NORTH INFILL
1/4" = 1'-0"



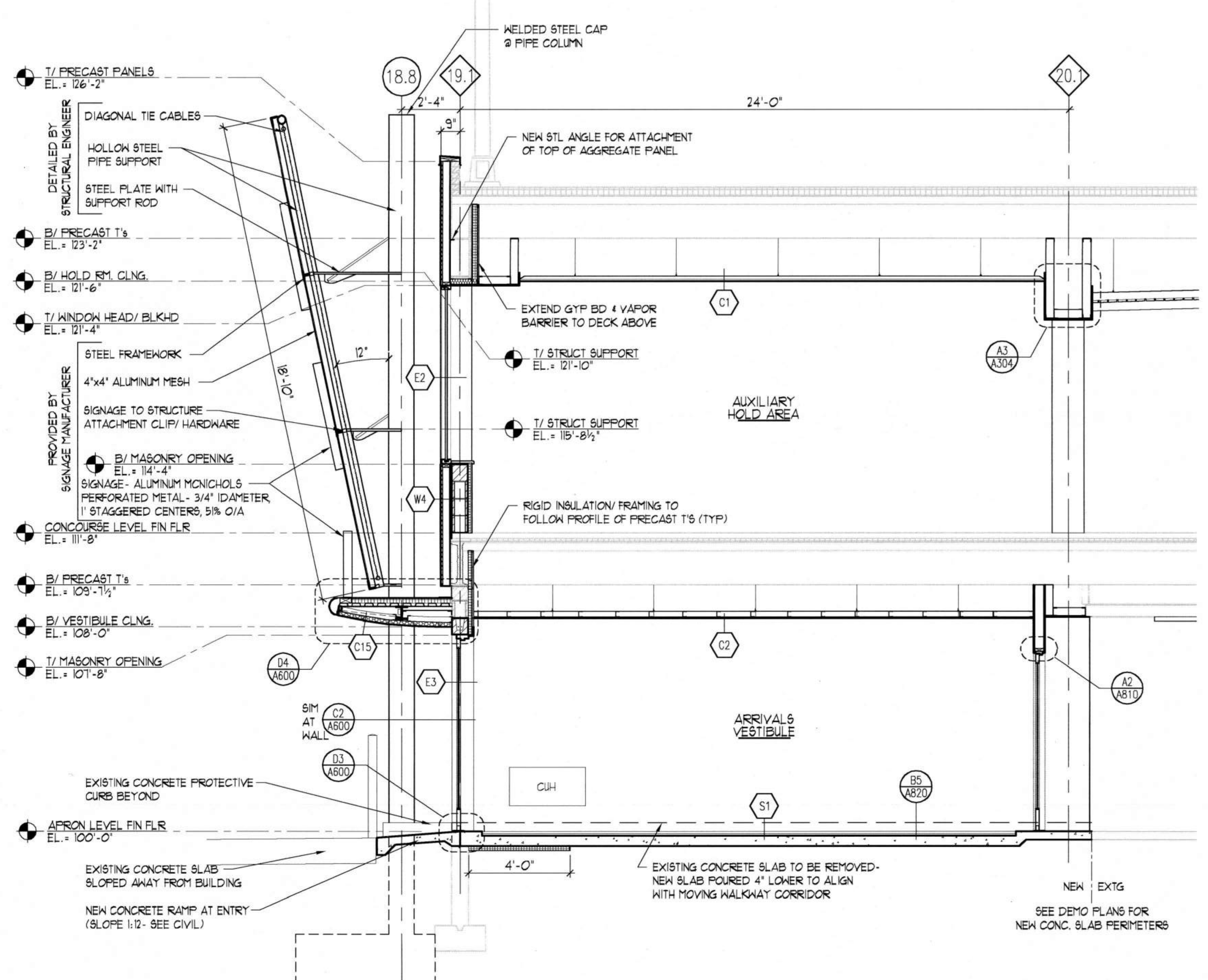
B5 / A501 SECTION THRU SOUTH WALL
BETWEEN COLS. 14 & 15
1/4" = 1'-0"

CONSTRUCTION KEYNOTE LEGEND

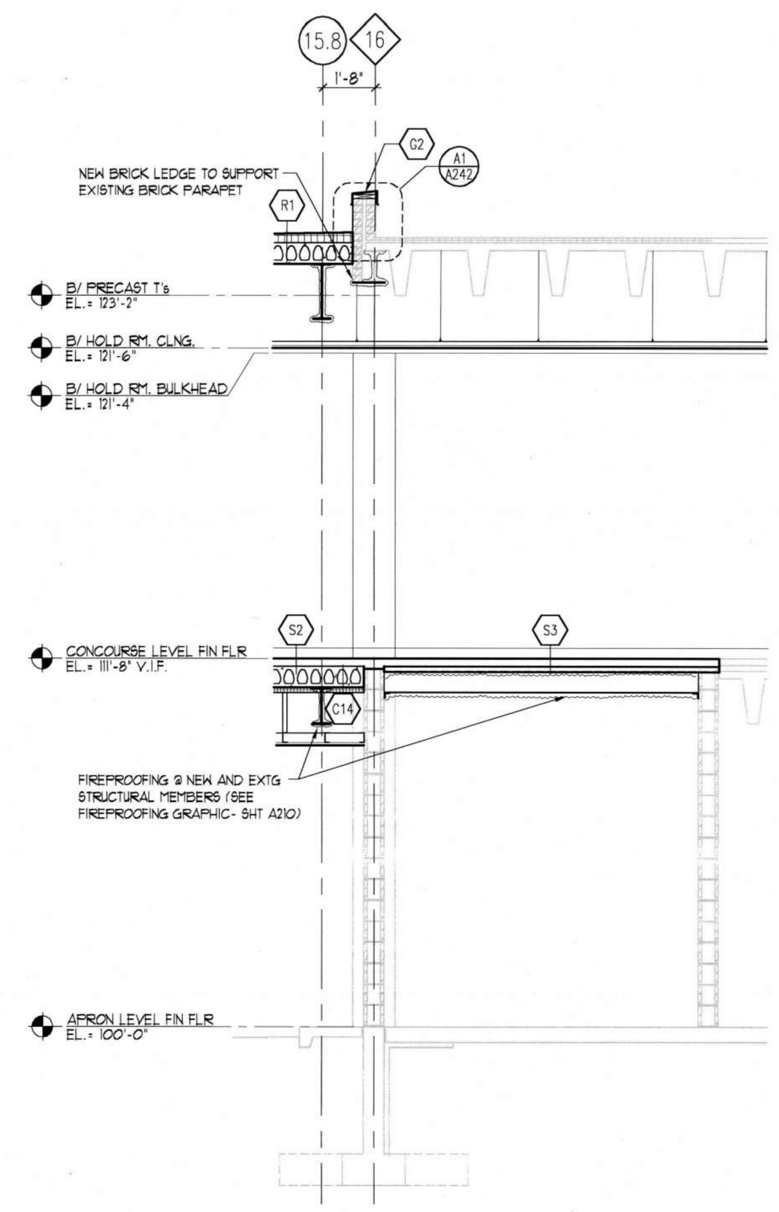
- C1 LAY-IN CEILING PANELS IN GRID SYSTEM SUSPENDED FROM STRUCTURE ABOVE. REFER TO ROOM FINISH SCHEDULE FOR GRID TYPE.
- C2 5/8" GYPSUM BOARD CEILING ON METAL SUSPENSION SYSTEM SUSPENDED FROM STRUCTURE ABOVE.
- C11 PERFORATED LINEAR METAL CEILING SYSTEM ON METAL SUSPENSION SYSTEM SUPPORTED FROM STRUCTURE ABOVE.
- C12 INSULATED METAL PANEL SYSTEM ON METAL SUSPENSION SYSTEM SUSPENDED FROM STUCTURE ABOVE.
- C13 EXISTING LINEAR METAL CEILING SYSTEM. SEE DEMOLITION PLANS & REFLECTED CEILING PLANS.
- C14 EXTERIOR SOFFIT: METAL SOFFIT PANEL SYSTEM (25% PERFORATED) ON LIGHT GAUGE RIGID FRAMING W/HORIZONTAL SUPPORTS @ METAL PANS @ 4'-0" O.C. MAXIMUM.
- C15 INSULATED METAL PANEL SYSTEM ON STRUCTURAL FRAMING.
- E2 ALUMINUM STOREFRONT SYSTEM WITH INSULATING GLASS.
- E3 ALUMINUM ENTRANCE SYSTEM WITH TEMPERED INSULATING GLASS.
- E4 ALUMINUM CURTAIN WALL SYSTEM WITH INSULATING GLASS. SEE BUILDING ELEVATIONS FOR GLASS TYPE.
- G2 METAL COPING SYSTEM: METAL COPING ON PRESSURE TREATED 2x WOOD BLOCKING
- G3 METAL GUTTER AND DOWNSPOUT. (REFER TO DTL C3/A600)
- G4 5"x8" PREFINISHED MTL SCUPPER
- G9 METAL COUNTERFLASHING: TWO PIECE "SNAP-IN" METAL COUNTERFLASHING W/ SURFACE MOUNTED RECEIVER W/ MECHANICAL FASTENERS @ 12" OC W/ NEOPRENE WASHERS @ EXPOSED FASTENER HEADS.
- G13 METAL COUNTERFLASHING: TWO PIECE "SNAP-IN" METAL COUNTERFLASHING W/ RECEIVER WEDGED-IN-PLACE IN SAW CUT JOINT (3/8" HIGH X 1 1/2" DEEP). SECURE 1 1/4" LONG MOUNTING FLANGE W/ LEAD WEDGES & SEAL W/ BACKER ROD & SEALANT.
- R1 SINGLE PLY ROOFING SYSTEM: LOOSELY LAID AND BALLASTED EPDM MEMBRANE ON POLYISOCYANURATE RIGID INSULATION ON CONCRETE DECK.
- R2 SINGLE PLY ROOFING SYSTEM: FULLY ADHERED EPDM MEMBRANE ON 1/2" COVER BOARD ON POLYISOCYANURATE RIGID INSULATION ON METAL DECK.
- S1 5" REINFORCED CONCRETE SLAB ON VAPOR RETARDER ON 6" DRAINAGE FILL.
- S2 3" REINFORCED CONCRETE TOPPING ON 8" FIRE-RATED STRUCTURAL CONCRETE DECK.
- S3 3" CAST-IN-PLACE REINFORCED CONCRETE ON METAL DECK.
- S4 8" STRUCTURAL PRECAST CONCRETE DECK.

EXTERIOR WALL TYPE LEGEND

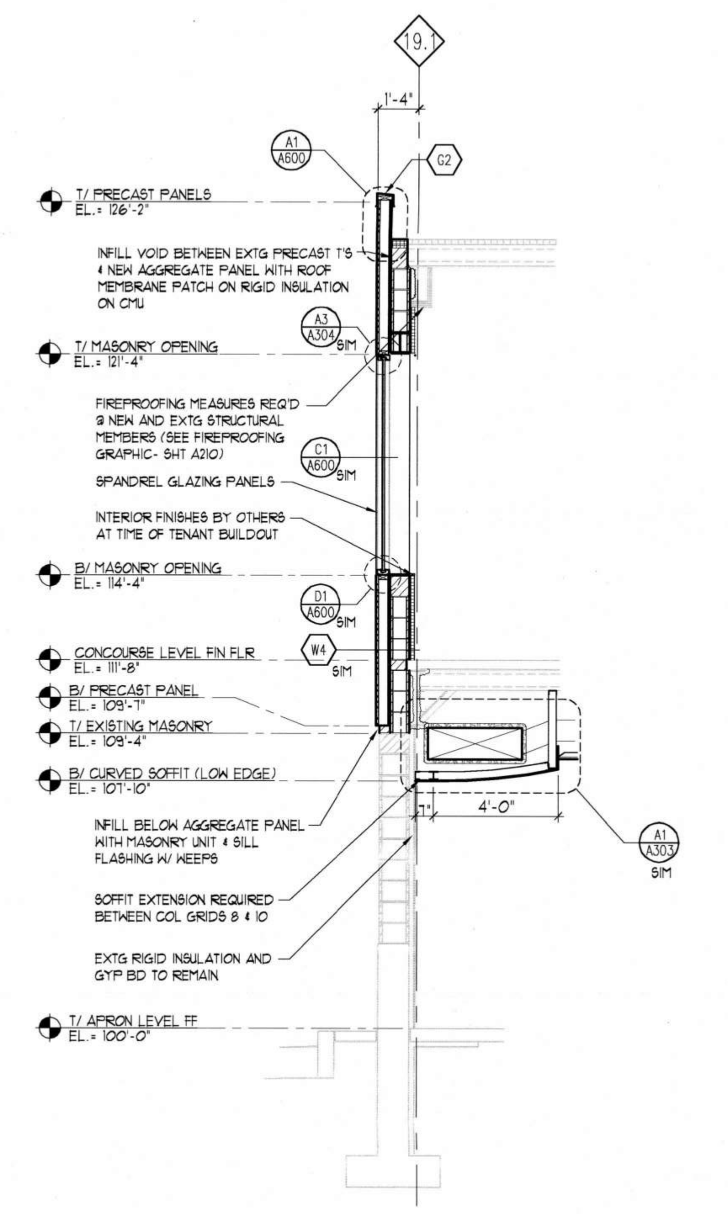
- WB2 EXTERIOR WALL (BELOW GRADE): REINFORCED CAST-IN-PLACE CONCRETE FOUNDATION WALL. PROVIDE 2" RIGID FOUNDATION INSULATION, EXTEND 48" VERTICALLY ON WALL AND 24" HORIZONTALLY BELOW FLOOR SLAB.
- W2 EXTERIOR WALL: SINGLE WYTHE MASONRY WALL CONSISTING OF 8" CONCRETE MASONRY UNIT WITH 2" Z FURRING @ 16" OC W/ 2" RIGID INSULATION, VAPOR RETARDER & ONE LAYER 5/8" GYP BD AT INTERIOR FACE. PROVIDE HORIZONTAL MASONRY JOINT REINFORCING @ 16" OC (REFER TO STRUCTURAL DRAWINGS FOR REQUIRED VERTICAL REINFORCING), WEEP HOLES @ 16" OC, FLASHING, EXPANSION AND CONTROL JOINTS.
- W4 EXTERIOR WALL: COMPOSITE PANEL WALL SYSTEM CONSISTING OF EXPOSED AGGREGATE FINISH PANEL ON 5/8" CEMENT BD SHEATHING ON 4" GALVANIZED STEEL STUDS @ 16" OC ON 8" CONCRETE MASONRY UNIT BACK-UP. PROVIDE 2" Z FURRING @ 16" OC W/ 2" RIGID INSULATION, VAPOR RETARDER & ONE LAYER 5/8" GYP BD AT INTERIOR FACE. NOTE: USE 6" BLOCK ON NORTH WALL BETWEEN COLUMN LINES 11 AND 16.
- W4E EXTERIOR WALL: COMPOSITE PANEL WALL SYSTEM CONSISTING OF EXPOSED AGGREGATE FINISH PANEL ON 5/8" CEMENT BD SHEATHING ON 4" GALVANIZED STEEL STUDS @ 16" OC ON EXISTING MASONRY WALL CONSTRUCTION. PROVIDE 2" Z FURRING @ 16" OC W/ 2" RIGID INSULATION, VAPOR RETARDER & ONE LAYER 5/8" GYP BD AT INTERIOR FACE.
- W4E.1 EXTERIOR WALL: COMPOSITE PANEL WALL SYSTEM CONSISTING OF EXPOSED AGGREGATE FINISH PANEL ON 5/8" CEMENT BD SHEATHING ON 4" GALVANIZED STEEL STUDS @ 16" OC ON EXISTING MASONRY WALL CONSTRUCTION. EXISTING FURRING AND GYP BD TO REMAIN.
- W6 EXTERIOR WALL: PANEL WALL SYSTEM CONSISTING OF 2" INSUL METAL PANELS, ON 16 GA. MIN GALVANIZED COLD FORMED MTL STUDS (REFER TO DTLS FOR SIZE) @ 16" O.C.
- W4E.2 EXTERIOR WALL: COMPOSITE PANEL WALL SYSTEM CONSISTING OF EXPOSED AGGREGATE FINISH PANEL ON 5/8" CEMENT BD SHEATHING ON 4" GALVANIZED STEEL STUDS @ 16" OC ON EXISTING MASONRY WALL CONSTRUCTION. EXISTING FURRING AND GYP BD TO REMAIN. ALSO, ADD NEW LAYER OF 5/8" GYPSUM WALL BD OVER EXISTING GYPSUM WALL BD.



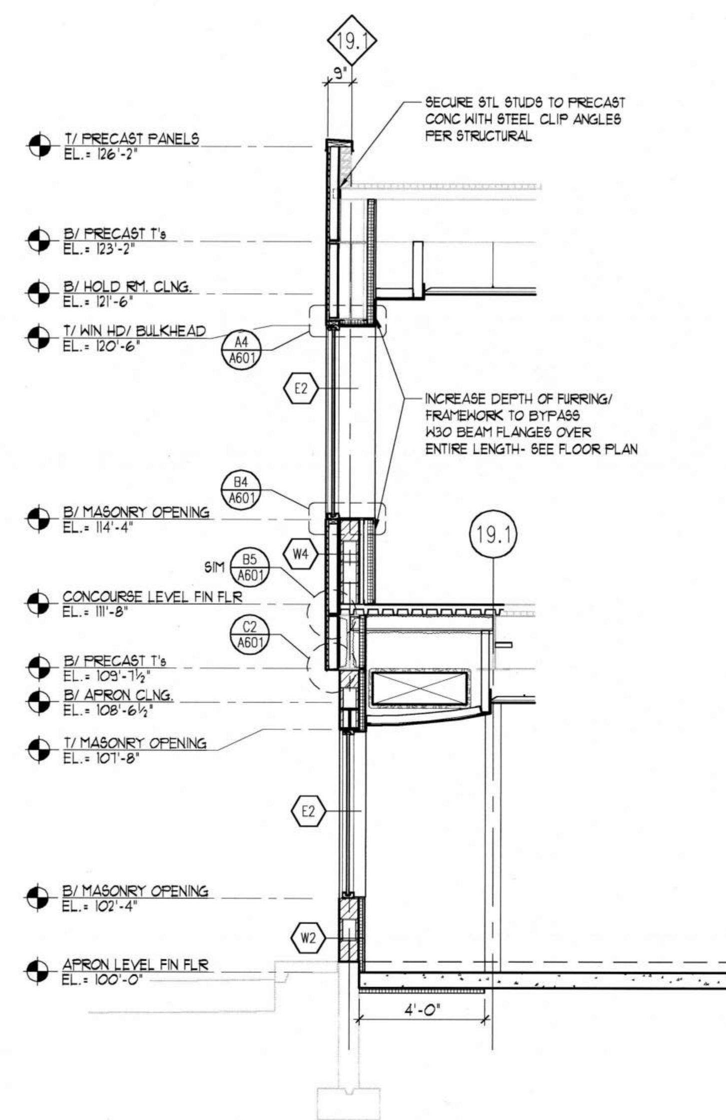
E2 / A501 SECTION THRU VESTIBULE/ SIGNAGE SCREEN
1/4" = 1'-0"



E4 / A501 CROSS-SECTION THRU NORTH INFILL
1/4" = 1'-0"



E5 / A501 SECTION THRU SOUTH WALL
BETWEEN COLS. 8 & 10
1/4" = 1'-0"



E6 / A501 SECTION THRU SOUTH WALL
BETWEEN COLS. 22 & 23
1/4" = 1'-0"

A B C D

RECORD DRAWINGS
3/2/07
DATE: REVISION: DRAWN BY: NB

MILWAUKEE COUNTY DEPARTMENT OF PARKS & PUBLIC INFRASTRUCTURE
GENERAL MITCHELL INTERNATIONAL AIRPORT 5300 SOUTH HOWELL MILWAUKEE, WISCONSIN 53207

DESIGN FIRM: PLUNKETT RAYSICH ARCHITECTS, LLP
DRAWN BY: GMF
CHECKED BY: PWS

SCALE: AS SHOWN
DATE: 4-04-05
DRAWN BY: GMF
CHECKED BY: PWS

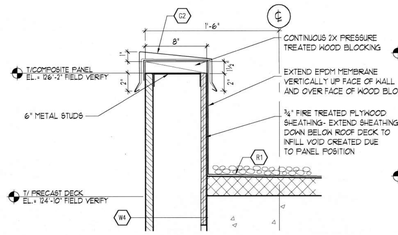
PROJECT TITLE: GMIA CONCOURSE 'D' STEM IMPROVEMENTS
SHEET DESCRIPTION: BUILDING SECTIONS

SITE NO: 290
BUILDING NO: 207

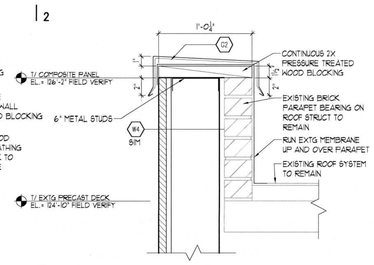
PROJECT NO. A048-03001
CONTRACT 2

SHEET NO. A501
FILE NO. -

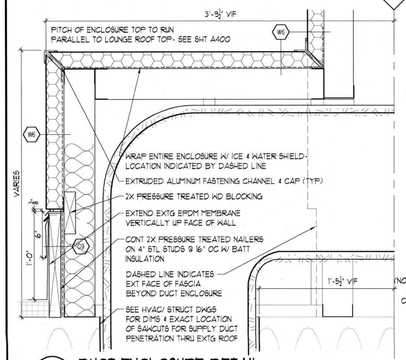
Plunkett Raysich Architects LLP
Milwaukee, WI • Madison, WI • Northbrook, IL
11000 West Park Place
Milwaukee, WI 53224
Tel 414 359-3060
Fax 414 359-3070
www.prarch.com
Intelligent Designs Inspired Results



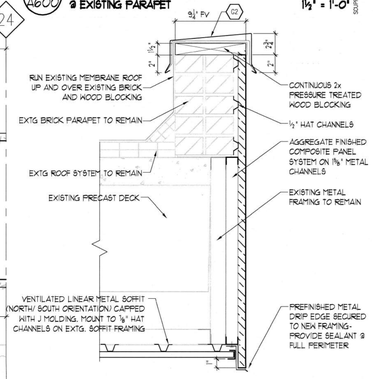
A1/A600 PARAPET DETAIL
1½" = 1'-0"



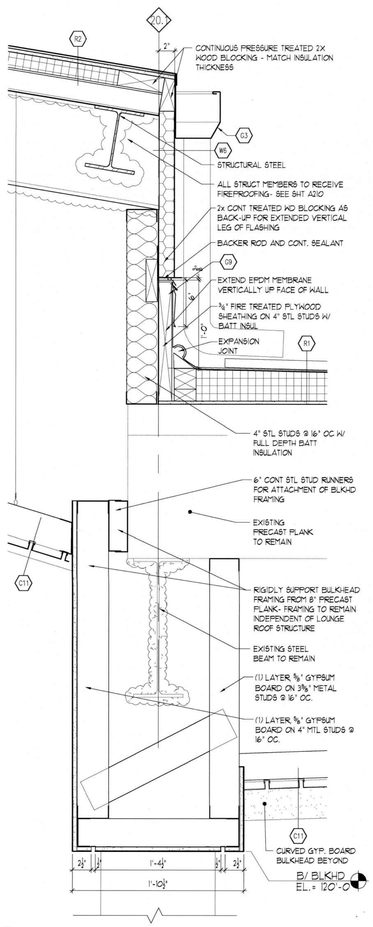
A2/A600 PARAPET DETAIL @ EXISTING PARAPET
1½" = 1'-0"

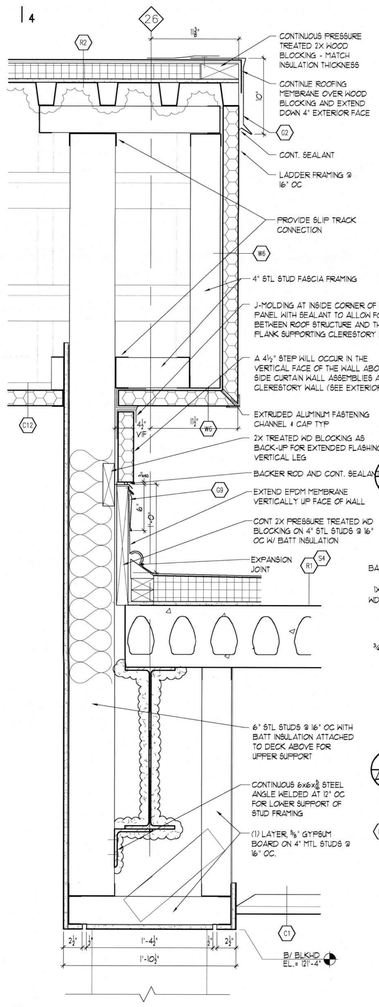


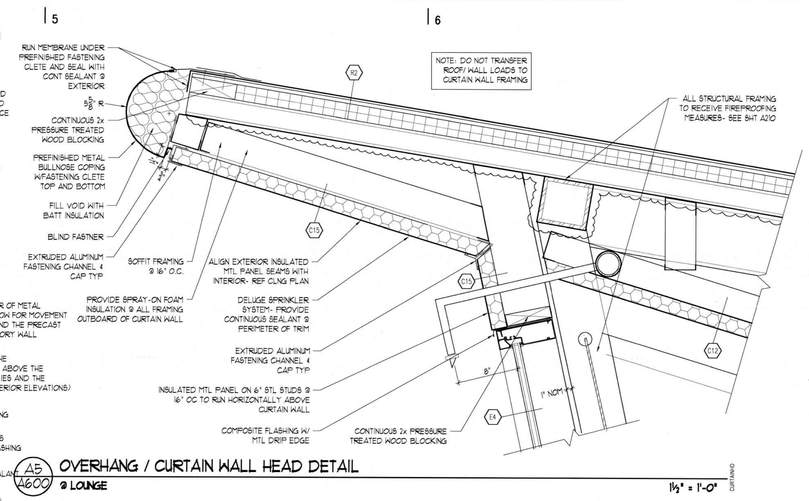
B1/A600 DUCT ENCLOSURE DETAIL @ LOUNGE
1½" = 1'-0"



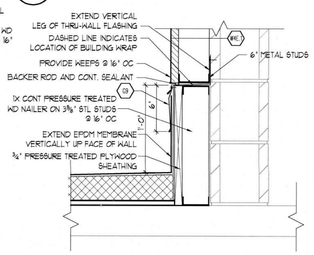
B2/A600 PARAPET REFACING/ SOFFIT DETAIL @ EXISTING OVERHANG
1½" = 1'-0"

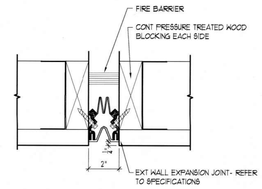




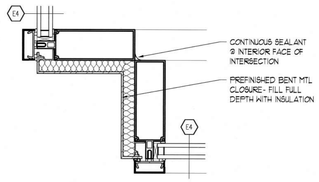


A5/A600 OVERHANG / CURTAIN WALL HEAD DETAIL @ LOUNGE
1½" = 1'-0"

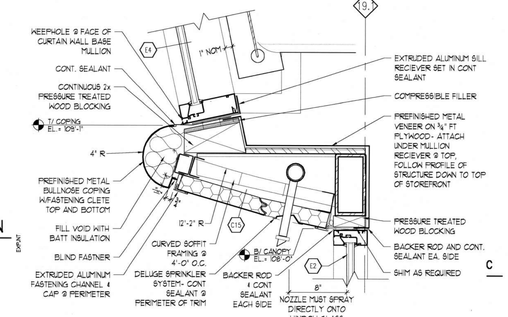


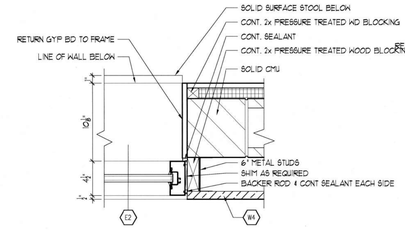


B5/A600 COUNTERFLASHING DETAIL
1½" = 1'-0"

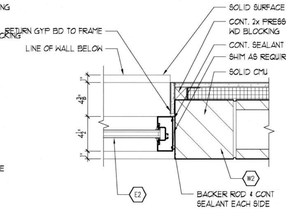


B6/A600 EXPANSION JOINT DETAIL @ AGGREGATE WALL PANELS
3" = 1'-0"





C1/A600 WINDOW JAMB DETAIL @ CONCOURSE LEVEL
1½" = 1'-0"



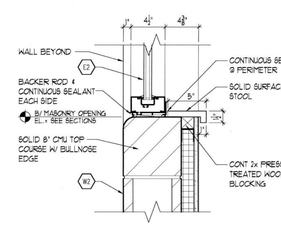
C2/A600 EXTERIOR WINDOW JAMB AT APRON LEVEL
1½" = 1'-0"

C3/A600 ROOF TRANSITION / EDGE DETAIL @ LOUNGE
1½" = 1'-0"

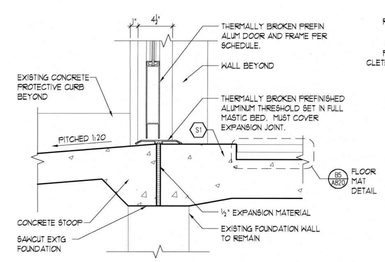
C4/A600 ROOF TRANSITION / EDGE DETAIL @ LOUNGE
1½" = 1'-0"

C5/A600 CURTAIN WALL MULLION INTERSECTION PLAN DTL
3" = 1'-0"

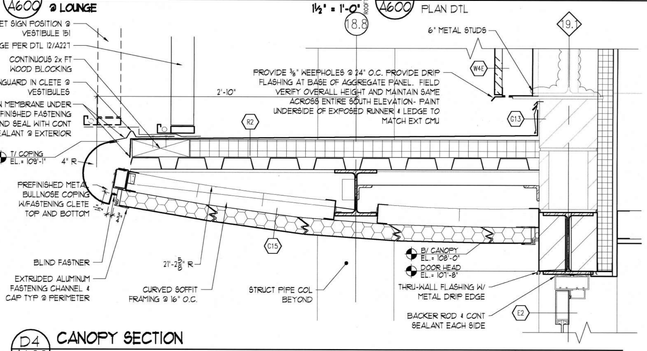
D1/A600 WINDOW SILL DETAIL @ CONCOURSE LEVEL
1½" = 1'-0"



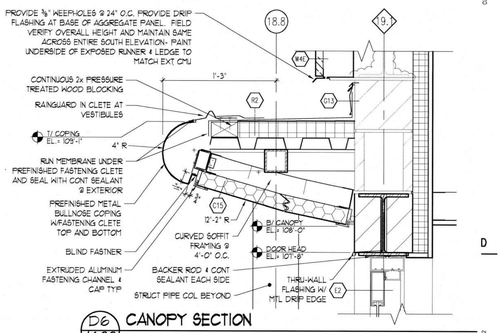
D2/A600 EXTERIOR WINDOW SILL @ APRON LEVEL
1½" = 1'-0"



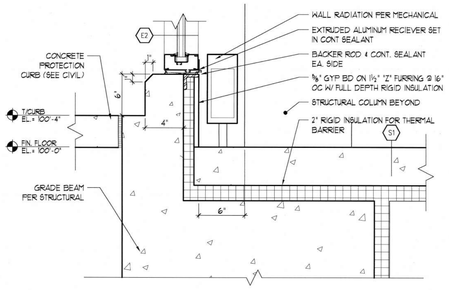
D3/A600 ALUMINUM STOREFRONT TRESHOLD AT APRON LEVEL
1½" = 1'-0"



D4/A600 CANOPY SECTION @ ARRIVALS VESTIBULE
1½" = 1'-0"



D6/A600 CANOPY SECTION @ DEPARTURE VESTIBULE
1½" = 1'-0"



E5/A600 STOREFRONT SILL DETAIL @ LOUNGE
1½" = 1'-0"

CONSTRUCTION KEYNOTE LEGEND

- C1 LAY-IN CEILING PANELS IN GRID SYSTEM SUSPENDED FROM STRUCTURE ABOVE. REFER TO ROOM FINISH SCHEDULE FOR GRID TYPE.
- C2 ⅝" GYPSUM BOARD CEILING ON METAL SUSPENSION SYSTEM SUSPENDED FROM STRUCTURE ABOVE.
- C11 PERFORATED LINEAR METAL CEILING SYSTEM ON METAL SUSPENSION SYSTEM SUPPORTED FROM STRUCTURE ABOVE.
- C12 INSULATED METAL PANEL SYSTEM ON METAL SUSPENSION SYSTEM SUSPENDED FROM STUCTURE ABOVE.
- C13 EXISTING LINEAR METAL CEILING SYSTEM. SEE DEMOLITION PLANS & REFLECTED CEILING PLANS.
- C14 EXTERIOR SOFFIT: METAL SOFFIT PANEL SYSTEM (25% PERFORATED) ON LIGHT GAUGE RIGID FRAMING W/HORIZONTAL SUPPORTS @ METAL PANS @ 4'-0" O.C. MAXIMUM.
- C15 INSULATED METAL PANEL SYSTEM ON STRUCTURAL FRAMING.
- E2 ALUMINUM STOREFRONT SYSTEM WITH INSULATING GLASS.
- E3 ALUMINUM ENTRANCE SYSTEM WITH TEMPERED INSULATING GLASS.
- E4 ALUMINUM CURTAIN WALL SYSTEM WITH INSULATING GLASS. SEE BUILDING ELEVATIONS FOR GLASS TYPE.
- G2 METAL COPING SYSTEM: METAL COPING ON PRESSURE TREATED 2x WOOD BLOCKING
- G3 METAL GUTTER AND DOWNSPOUT. (REFER TO DTL C3/A600)
- G4 5"x8" PREFINISHED MTL SCUPPER
- G9 METAL COUNTERFLASHING: TWO PIECE "SNAP-IN" METAL COUNTERFLASHING W/ SURFACE MOUNTED RECEIVER W/ MECHANICAL FASTENERS @ 12" OC W/ NEOPRENE WASHERS @ EXPOSED FASTENER HEADS.
- G13 METAL COUNTERFLASHING: TWO PIECE "SNAP-IN" METAL COUNTERFLASHING W/ RECEIVER WEDGED-IN-PLACE IN SAW CUT JOINT (⅜" HIGH X 1½" DEEP). SECURE 1¼" LONG MOUNTING FLANGE W/ LEAD WEDGES & SEAL W/ BACKER ROD & SEALANT.
- R1 SINGLE PLY ROOFING SYSTEM: LOOSELY LAID AND BALLASTED EPDM MEMBRANE ON POLYISOCYANURATE RIGID INSULATION ON CONCRETE DECK.
- R2 SINGLE PLY ROOFING SYSTEM: FULLY ADHERED EPDM MEMBRANE ON ½" COVER BOARD ON POLYISOCYANURATE RIGID INSULATION ON METAL DECK.
- S1 5" REINFORCED CONCRETE SLAB ON VAPOR RETARDER ON 6" DRAINAGE FILL.
- S2 3" REINFORCED CONCRETE TOPPING ON 8" FIRE-RATED STRUCTURAL CONCRETE DECK.
- S3 3" CAST-IN-PLACE REINFORCED CONCRETE ON METAL DECK.
- S4 8" STRUCTURAL PRECAST CONCRETE DECK.

EXTERIOR WALL TYPE LEGEND

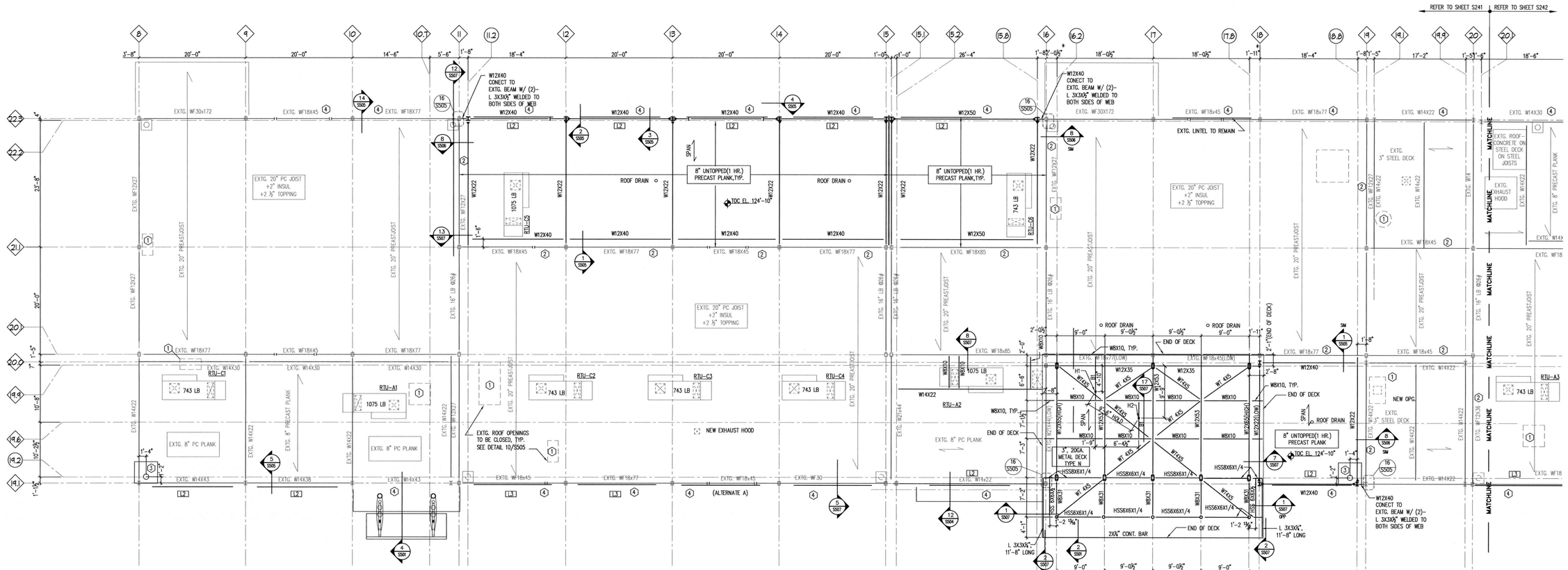
- WB1 EXTERIOR WALL (BELOW GRADE): REINFORCED CAST-IN-PLACE CONCRETE FOUNDATION WALL. PROVIDE 2" RIGID FOUNDATION INSULATION, EXTEND 48" VERTICALLY ON WALL AND 24" HORIZONTALLY BELOW FLOOR SLAB.
- W2 EXTERIOR WALL: SINGLE WYTHE MASONRY WALL CONSISTING OF 8" CONCRETE MASONRY UNIT WITH 2" Z FURRING @ 16" OC W/ 2" RIGID INSULATION, VAPOR RETARDER & ONE LAYER ⅝" GYP BD AT INTERIOR FACE. PROVIDE HORIZONTAL MASONRY JOINT REINFORCING @ 16" OC (REFER TO STRUCTURAL DRAWINGS FOR REQUIRED VERTICAL REINFORCING) (KEEP HOLES @ 16" OC, FLASHING EXPANSION AND CONTROL JOINTS.
- W4 EXTERIOR WALL: COMPOSITE PANEL WALL SYSTEM CONSISTING OF EXPOSED AGGREGATE FINISH PANEL ON ⅝" CEMENT BD SHEATHING ON 4" GALVANIZED STEEL STUDS @ 16" OC ON 8" CONCRETE MASONRY UNIT BACK-UP. PROVIDE 2" Z FURRING @ 16" OC W/ 2" RIGID INSULATION, VAPOR RETARDER & ONE LAYER ⅝" GYP BD AT INTERIOR FACE. NOTE: USE 6" BLOCK ON NORTH WALL BETWEEN COLUMN LINES 11 AND 16.
- W4C EXTERIOR WALL: COMPOSITE PANEL WALL SYSTEM CONSISTING OF EXPOSED AGGREGATE FINISH PANEL ON ⅝" CEMENT BD SHEATHING ON 4" GALVANIZED STEEL STUDS @ 16" OC ON EXISTING MASONRY WALL CONSTRUCTION. PROVIDE 2" Z FURRING @ 16" OC W/ 2" RIGID INSULATION, VAPOR RETARDER & ONE LAYER ⅝" GYP BD AT INTERIOR FACE.
- W4E EXTERIOR WALL: COMPOSITE PANEL WALL SYSTEM CONSISTING OF EXPOSED AGGREGATE FINISH PANEL ON ⅝" CEMENT BD SHEATHING ON 4" GALVANIZED STEEL STUDS @ 16" OC ON EXISTING MASONRY WALL CONSTRUCTION. EXISTING FURRING AND GYP BD TO REMAIN.
- W6 EXTERIOR WALL: PANEL WALL SYSTEM CONSISTING OF 2" INSUL METAL PANELS, ON 16 GA. MIN GALVANIZED COLD FORMED MTL STUDS (REFER TO DTLS FOR SIZE) @ 16" O.C.
- W4E.2 EXTERIOR WALL: COMPOSITE PANEL WALL SYSTEM CONSISTING OF EXPOSED AGGREGATE FINISH PANEL ON ⅝" CEMENT BD SHEATHING ON 4" GALVANIZED STEEL STUDS @ 16" OC ON EXISTING MASONRY WALL CONSTRUCTION. EXISTING FURRING AND GYP BD TO REMAIN. ALSO, ADD NEW LAYER OF ⅝" GYPSUM WALL BD OVER EXISTING GYPSUM WALL BD.

Plunkett Raysich Architects LLP
Milwaukee, WI • Madison, WI • Northbrook, IL
11000 West Park Place
Milwaukee, WI 53224
Tel 414 359-3060
Fax 414 359-3070
www.prarch.com
Intelligent Designs Inspired Results

SHEET NO.	A600
FILE NO.	-
PROJECT NO.	A048-03001
CONTRACT 2	
SITE NO.	290
BUILDING NO.	207
PROJECT TITLE	GMIA CONCOURSE 'D' STEM RENOVATION
SHEET DESCRIPTION:	XXXX
SCALE	AS SHOWN
DATE	4-04-05
DRAWN BY:	GMF
CHECKED BY:	PWS
DESIGN FIRM: PLUNKETT RAYSICH ARCHITECTS, LLP	
DRAWN BY:	GMF
CHECKED BY:	PWS

DATE	REVISION	DRAWN BY
9/2/07	RECORD DRAWINGS	N.B.

MILWAUKEE COUNTY DEPARTMENT OF PUBLIC WORKS
ARCHITECTURE, ENGINEERING AND ENVIRONMENTAL SERVICES
CITY CAMPUS COMPLEX 2711 WEST WELLS STREET MILWAUKEE, WISCONSIN 53233



ENLARGED ROOF FRAMING PLAN- WEST

1/8" = 1'-0"

* THIS DIMENSION IS 1'-11 ½" PER EXTG. PLANS AND HAS BEEN MODIFIED AS SHOWN BASED ON FIELD MEASUREMENT. CONTRACTOR SHALL FIELD VERIFY THIS DIMENSION AND REPORT TO ARCHITECT IF THE DIMENSION IS FOUND DIFFERENT FROM WHAT IS SHOWN ON THE PLANS.

B1- HSS 3X3X⅜"

KEYED NOTES

1. INFILL EXTG. ROOF OPENING PER DETAIL 10/S505
2. PROVIDE NEW BRICK LEDGE TO EXTG. BEAM PER DETAIL 8/S506
3. PROVIDE NEW LIGHT POLE SUPPORT BASE PER DETAIL 6/S505
4. PROVIDE CONT. L ATTACHED TO EXTERIOR BEAM PER DETAIL 13/S505 OR 14/S505 AS APPLICABLE. CUT L @ BEAM STIFFENER LOCATIONS

NOTES

LOCATE ALL NEW OPENINGS BETWEEN THE WEBS OF EXTG. PRECAST JOISTS WITH A MAXIMUM OPG. DIMENSION OF 2'-0".

SEE MECH. PLANS FOR ACTUAL SIZE OF ROOF OPENINGS

PROVIDE FRAMING AROUND ALL NEW OPENINGS LARGER THAN 8"X8" IN EXTG. PC PLANK PER 9/S506.

PROVIDE 3-INCH GALVANIZED STEEL DECK:

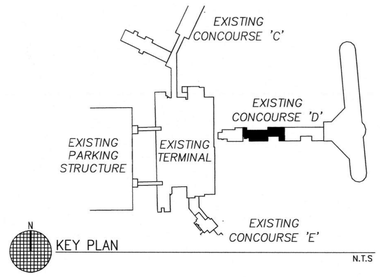
PROVIDE 3-INCH GALVANIZED STEEL DECK FOR LOUNGE ROOF:

t= 0.0358in
I= 0.964 in^4/ft.
Sp= 0.501 in^3/ft.
Sn= 0.552 in^3/ft.
Fy= 33 ksi

LEGEND

WF21X55 DENOTES 21"W⁄ @ 55#

► DENOTES MOMENT CONNECTION



Plunkett Raysich Architects LLP
Milwaukee, WI Madison, WI
Northbrook, IL
Phoenix, AZ Cincinnati, OH
Two Park Plaza Suite 300
10850 West Park Place
Milwaukee, WI 53224
Tel 414 359-3060
Fax 414 359-3070

BLOOM CONSULTANTS, LLC
ENGINEERS PLANNERS SCIENTISTS
10001 Innovation Drive - Suite 200 • Milwaukee, WI 53226
Phone: (414) 771-3390 Fax: (414) 771-4490

3/2/07	RECORD DOCUMENTS
DATE:	REVISION:

BLOOM
DRAWN BY:

MILWAUKEE COUNTY DEPARTMENT OF PARKS & PUBLIC INFRASTRUCTURE
GENERAL MITCHELL INTERNATIONAL AIRPORT 5300 SOUTH HOWELL MILWAUKEE, WISCONSIN 53207

DESIGN FIRM: PLUNKETT RAYSICH ARCHITECTS, LLP
DRAWN BY:
CHECKED BY:

DRAWN BY: BT
CHECKED BY:

SCALE: AS SHOWN
DATE: 04-04-05

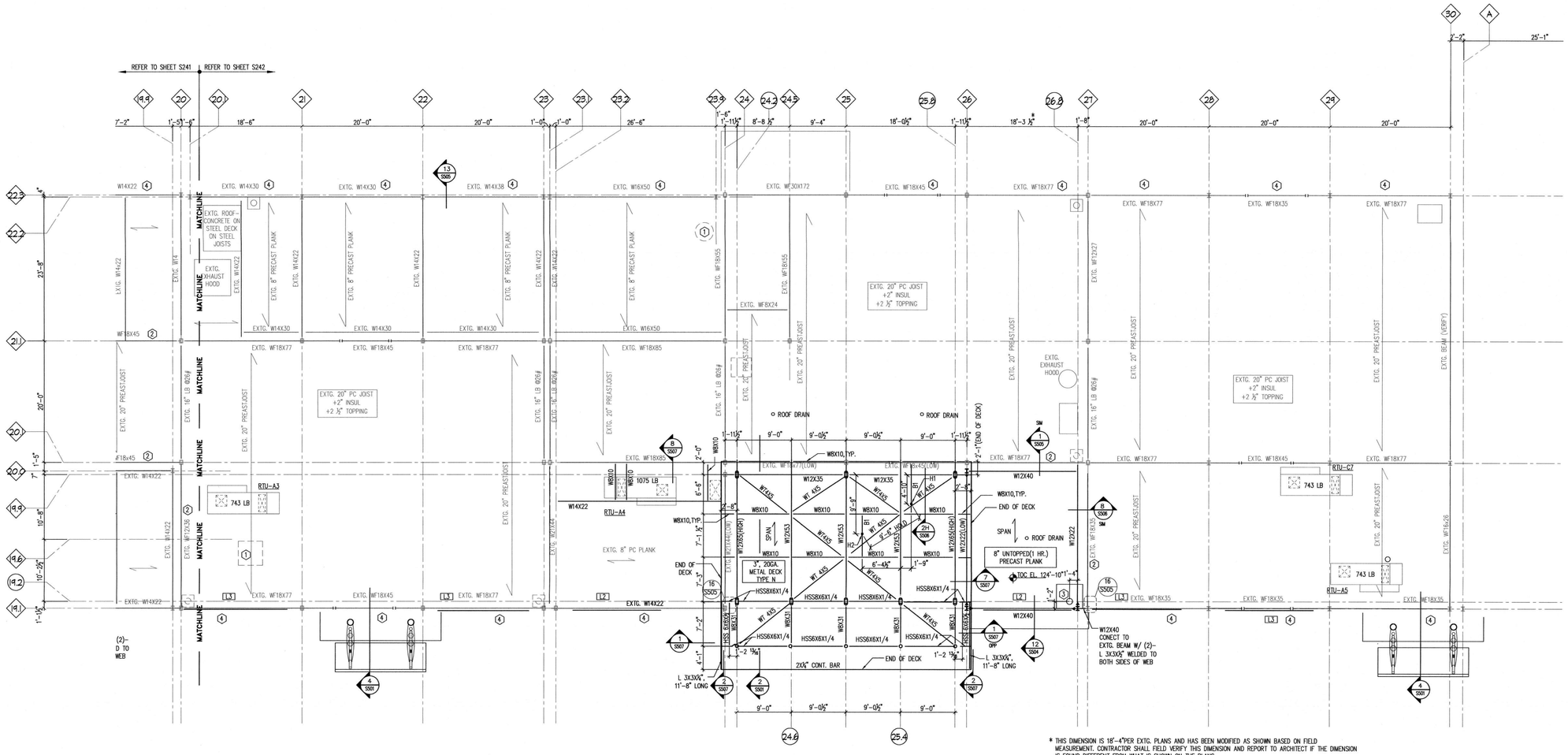
PROJECT TITLE: GMIA CONCOURSE 'D' STEM IMPROVEMENTS

SHEET DESCRIPTION: ENLARGED ROOF FRAMING PLAN-WEST

SITE NO: 290
BUILDING NO: 207

PROJECT NO. A048-03001
CONTRACT-2

SHEET NO. S241
FILE NO. -



ENLARGED ROOF FRAMING PLAN- EAST

1/8" = 1'-0"

KEYED NOTES

1. INFILL EXTG. ROOF OPENING PER DETAIL 10/S505
2. PROVIDE NEW BRICK LEDGE TO EXTG. BEAM PER DETAIL 8/S506
3. PROVIDE NEW LIGHT POLE SUPPORT BASE PER DETAIL 6/S505
4. PROVIDE CONT. L ATTACHED TO EXTERIOR BEAM PER DETAIL 13/S505 OR 14/S505 AS APPLICABLE. CUT L @ BEAM STIFFENER LOCATIONS

NOTES

LOCATE ALL NEW OPENINGS BETWEEN THE WEBS OF EXTG. PRECAST JOISTS WITH A MAXIMUM OPG. DIMENSION OF 2'-0".

SEE MECH. PLANS FOR ACTUAL SIZE OF ROOF OPENINGS

PROVIDE FRAMING AROUND ALL NEW OPENINGS LARGER THAN 8"X8" IN EXTG. PC PLANK PER 9/S506.

PROVIDE 3-INCH GALVANIZED STEEL DECK:

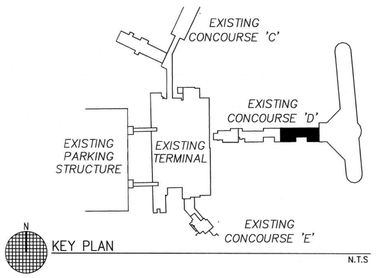
PROVIDE 3-INCH GALVANIZED STEEL DECK FOR LOUNGE ROOF:

t= 0.0358in
I= 0.964 in^4/ft.
Sp= 0.501 in^3/ft.
Sn= 0.552 in^3/ft.
Fy= 33 ksi

LEGEND

WF21X55 DENOTES 21"W WF @ 55#

▸ DENOTES MOMENT CONNECTION



Plunkett Raysich Architects LLP
Milwaukee, WI Madison, WI Northbrook, IL Phoenix, AZ Cincinnati, OH
Two Park Plaza Suite 300
10850 West Park Place
Milwaukee, WI 53224
Tel 414 359-3060
Fax 414 359-3070

BLOOM CONSULTANTS, LLC
ENGINEERS PLANNERS SCIENTISTS
10001 Innovation Drive - Suite 200 • Milwaukee, WI 53226
Phone: (414) 771-3390 Fax: (414) 771-4490

3/2/07	RECORD DOCUMENTS
DATE:	REVISION:

BLOOM
DRAWN BY:

MILWAUKEE COUNTY DEPARTMENT OF PARKS & PUBLIC INFRASTRUCTURE
GENERAL MITCHELL INTERNATIONAL AIRPORT 5300 SOUTH HOWELL MILWAUKEE, WISCONSIN 53207

DESIGN FIRM PLUNKETT RAYSICH ARCHITECTS, LLP
DRAWN BY: BT
CHECKED BY:

SCALE: AS SHOWN
DATE: 04-04-05

PROJECT TITLE: GMIA CONCOURSE 'D' STEM IMPROVEMENTS

SHEET DESCRIPTION: ENLARGED ROOF FRAMING PLAN-EAST

SITE NO: 290
BUILDING NO: 207

PROJECT NO. A048-03001
CONTRACT-2

SHEET NO. S242
FILE NO. -