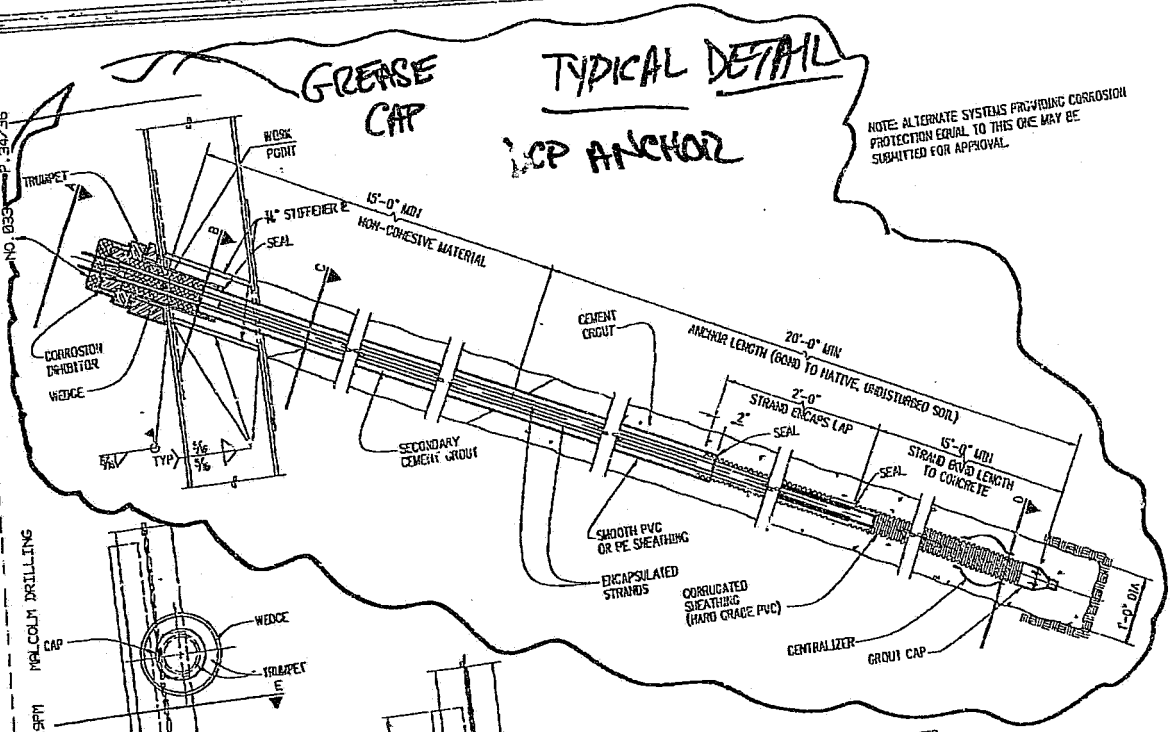
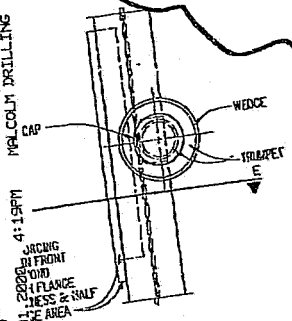
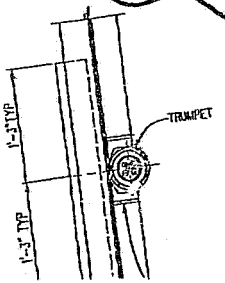
08/01/2000 08:04 FAX 2235106 BIDS NO. 033 P. 34/36 035

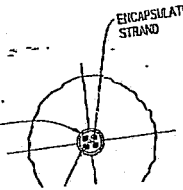
GREASE CAP TYPICAL DETAIL

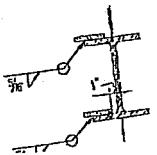
LCP ANCHOR







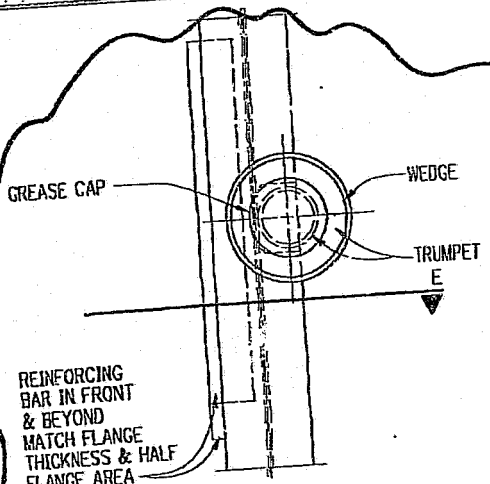




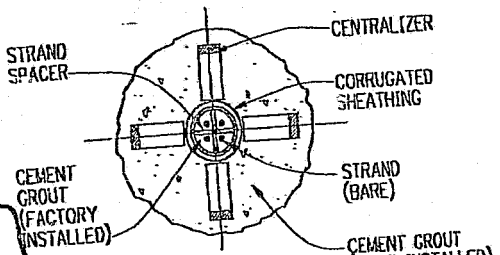
MALCOLM DRILLING
JUL. 31. 2000 4:19PM

08/01/2000 08:04 FAX 2235100 BIDS 037
JUL.31.2000 4:28PM MALCOLM DRILLING NO.033 P.36/36

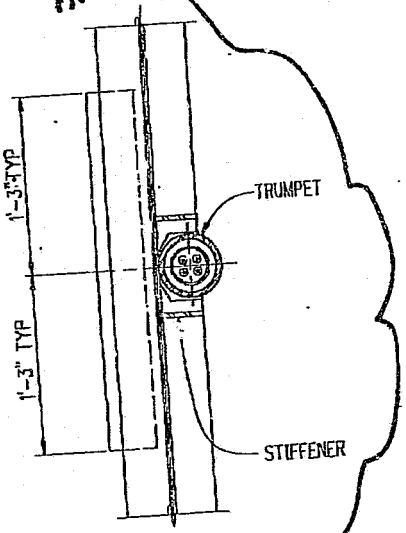
TYPICAL SECTIONS for DCP ANCHOR



SECTION A



SECTION D



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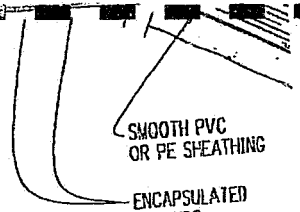
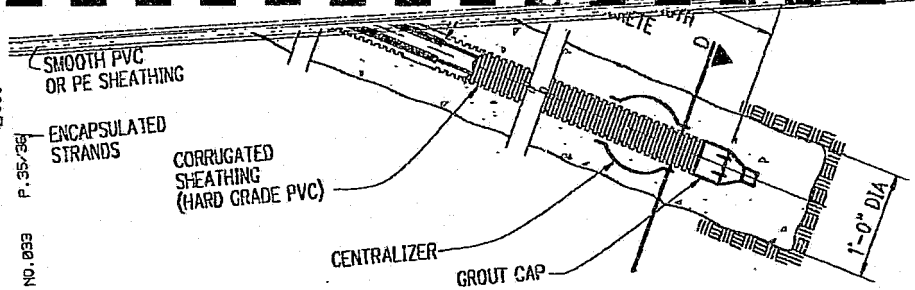


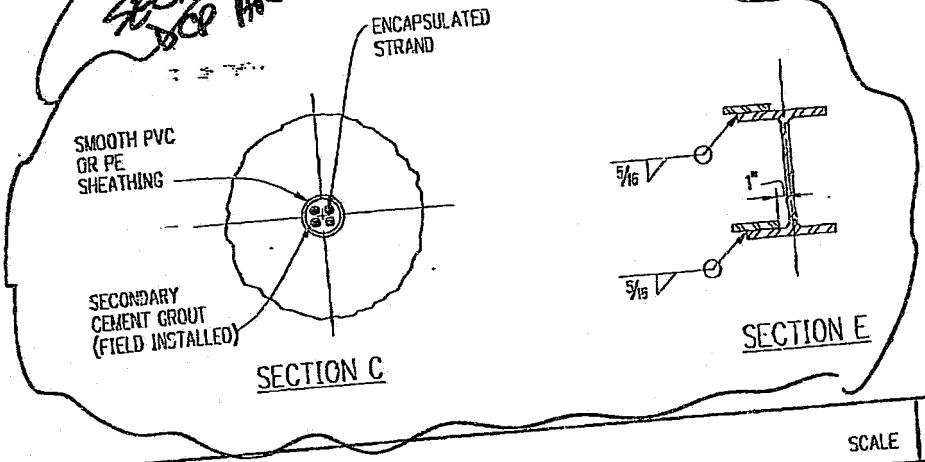
CORRU SHEAT (HARD

SMOOTH PVC OR PE SHEATHING

SECONDARY CEMENT GRO (FIELD INST



TYPICAL SECTIONS for DCP ANCHOR



REVISIONS

NO	DATE	BY
	5/3/00	
	6/9/00	

TITLE

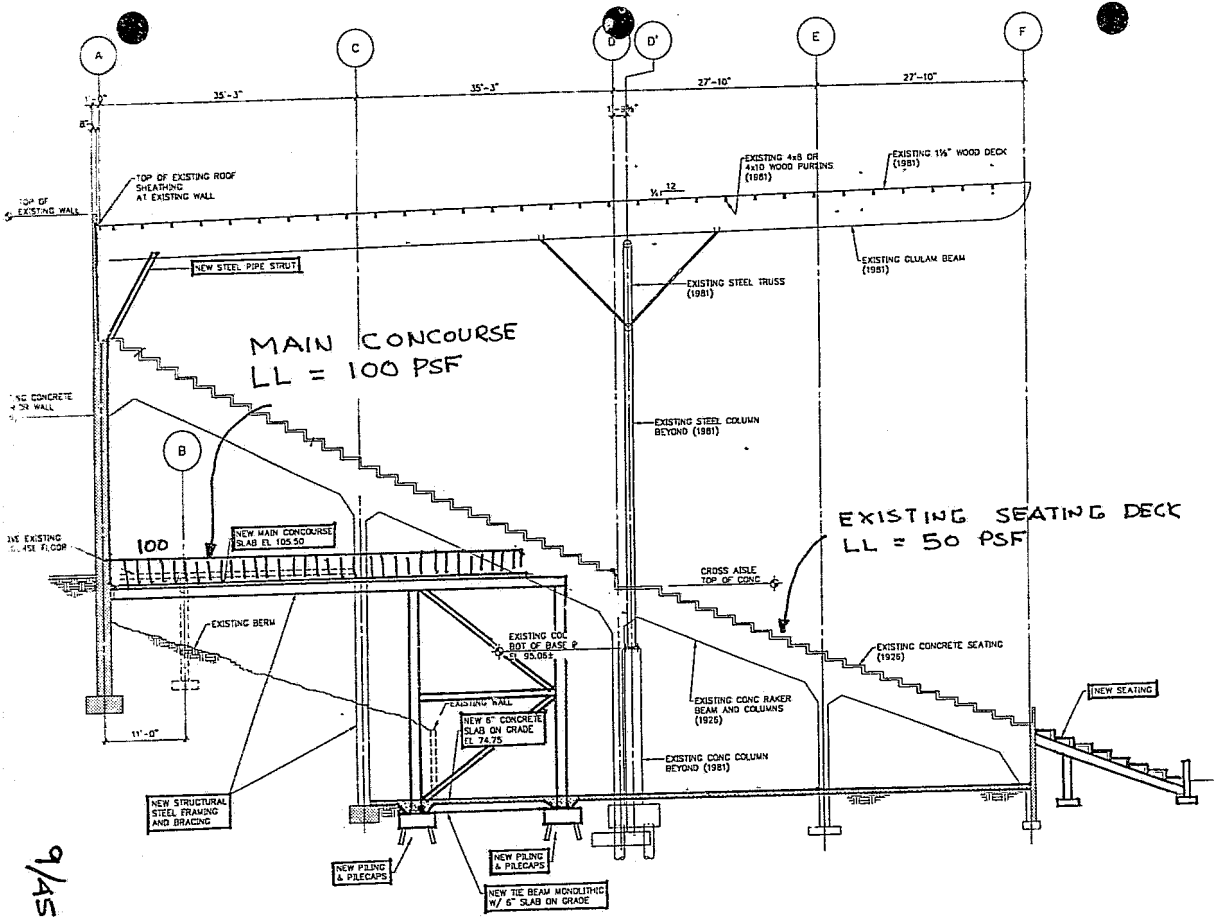
SHORING SECTION DETAILS

DESIGNED
DRAWN
CHECKED
DATE
CADD FILE
JOB NUMBER

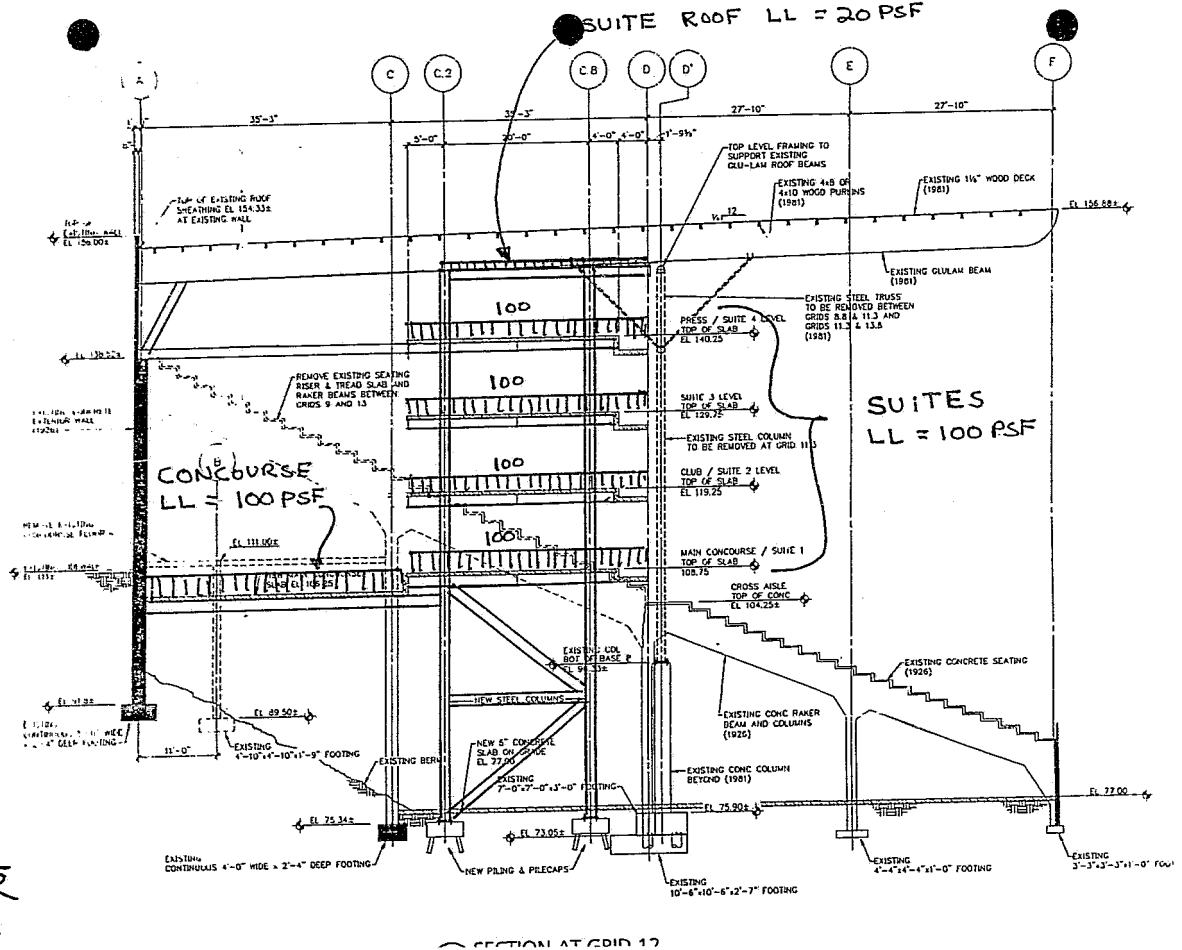
SCALE R

S

08/01/2000 08:04 FAX 2235106 BIDS 004/041
JUL.31.2000 4:15PM MALCOLM DRILLING NO.033 P.35/36 036


A
C
D
D'
E
F
35'-3"
35'-3"
27'-10"
27'-10"
TOP OF EXISTING ROOF SHEATHING AT EXISTING WALL
TOP OF EXISTING WALL
EXISTING 4x8 OR 4x10 WOOD PURLINS (1981)
EXISTING 1½" WOOD DECK (1981)
NEW STEEL PIPE STRUT
EXISTING STEEL TRUSS (1981)
EXISTING GLULAM BEAM (1981)
MAIN CONCOURSE
LL = 100 PSF
EXISTING STEEL COLUMN BEYOND (1981)
B
100
NEW MAIN CONCOURSE SLAB EL 105.50
EXISTING SEATING DECK
LL = 50 PSF
CROSS AISLE TOP OF CONC
EXISTING BERM
EXISTING CONC BOT OF BASE @ EL 95.05±
EXISTING CONCRETE SEATING (1926)
NEW SEATING
EXISTING WALL
NEW 6" CONCRETE SLAB ON GRADE EL 74.75
EXISTING CONC RAKER BEAM AND COLUMNS (1926)
EXISTING CONC COLUMN BEYOND (1981)
11'-0"
NEW STRUCTURAL STEEL FRAMING AND BRACING
NEW PILING & PILECAPS
NEW PILING & PILECAPS
NEW TIE BEAM MONOLITHIC W/ 6" SLAB ON GRADE

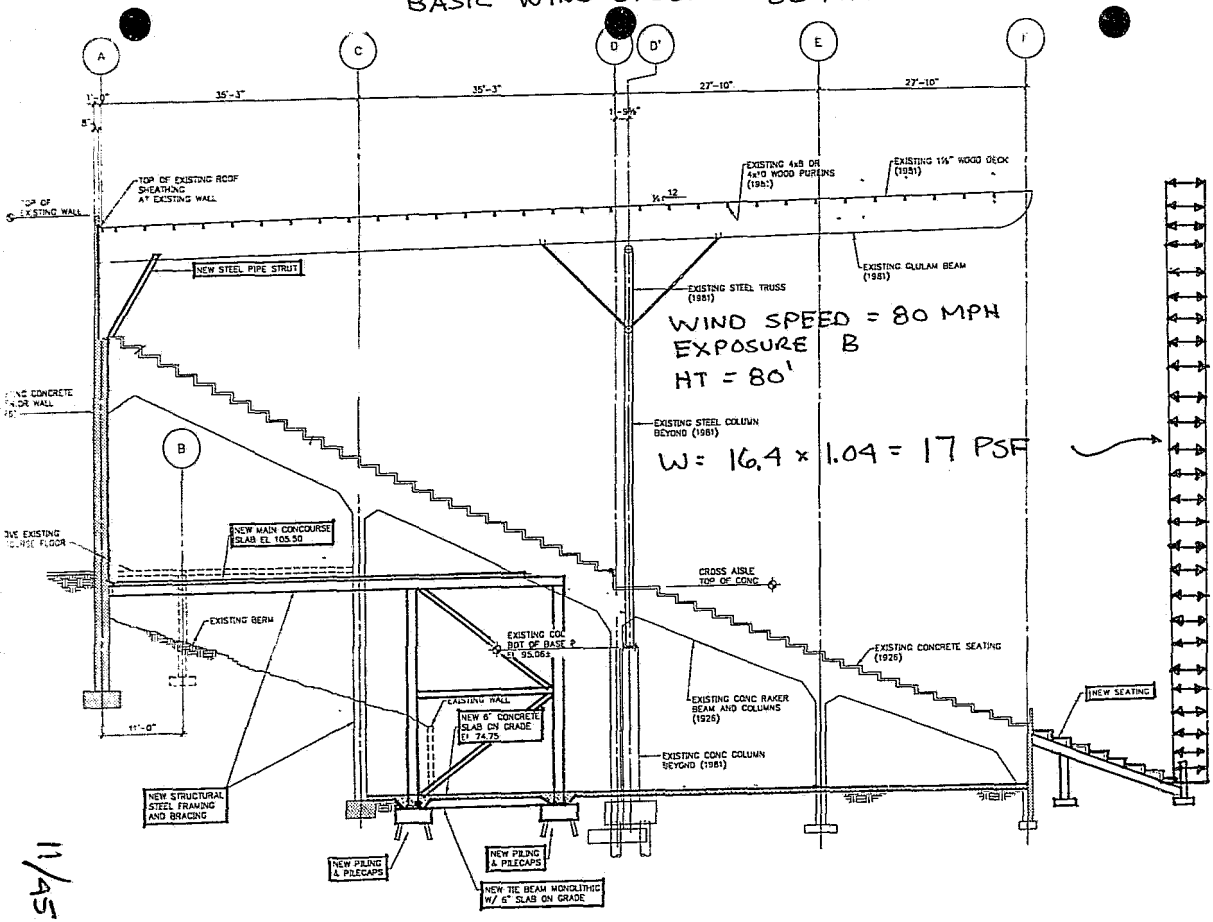
9/45



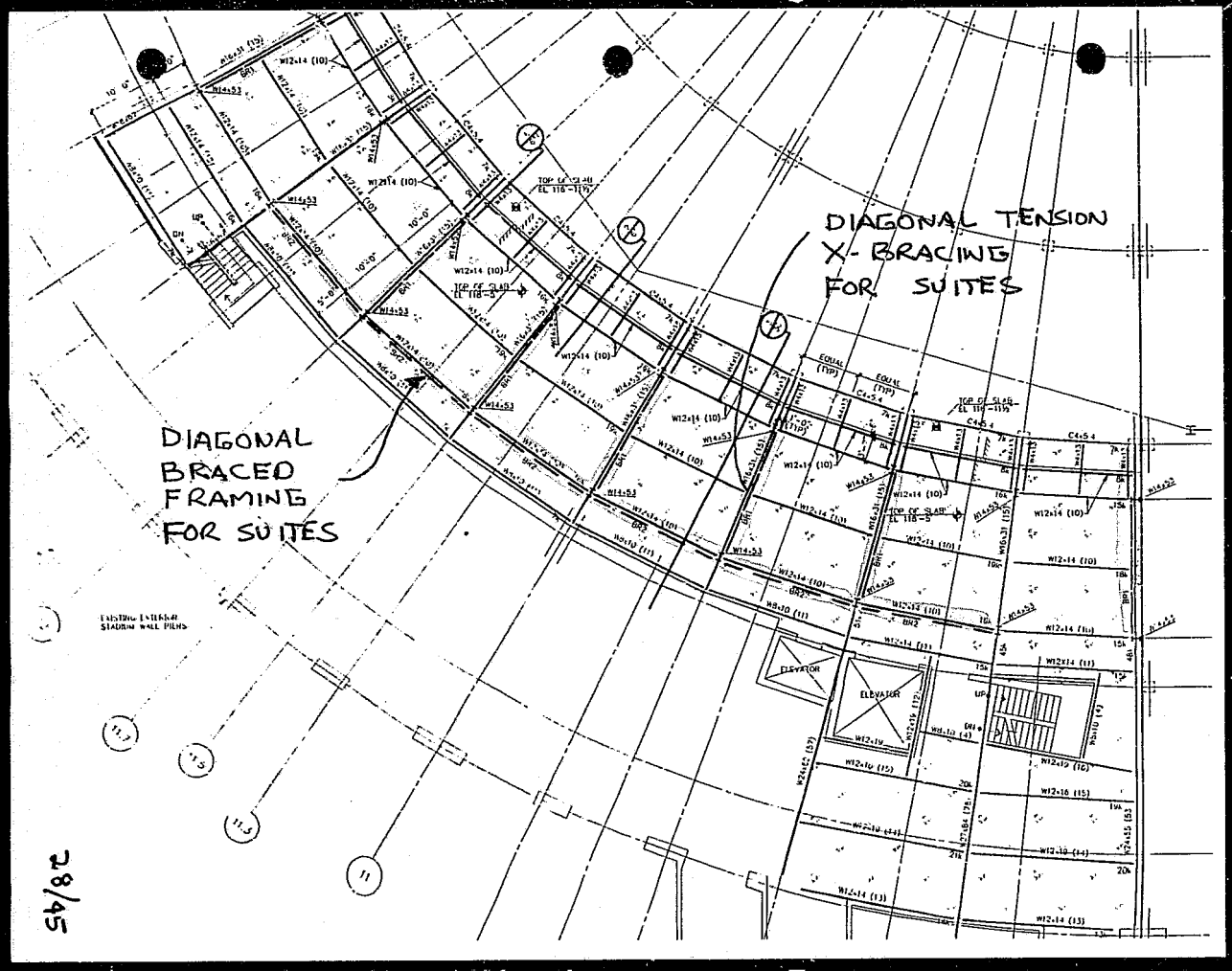
10/45

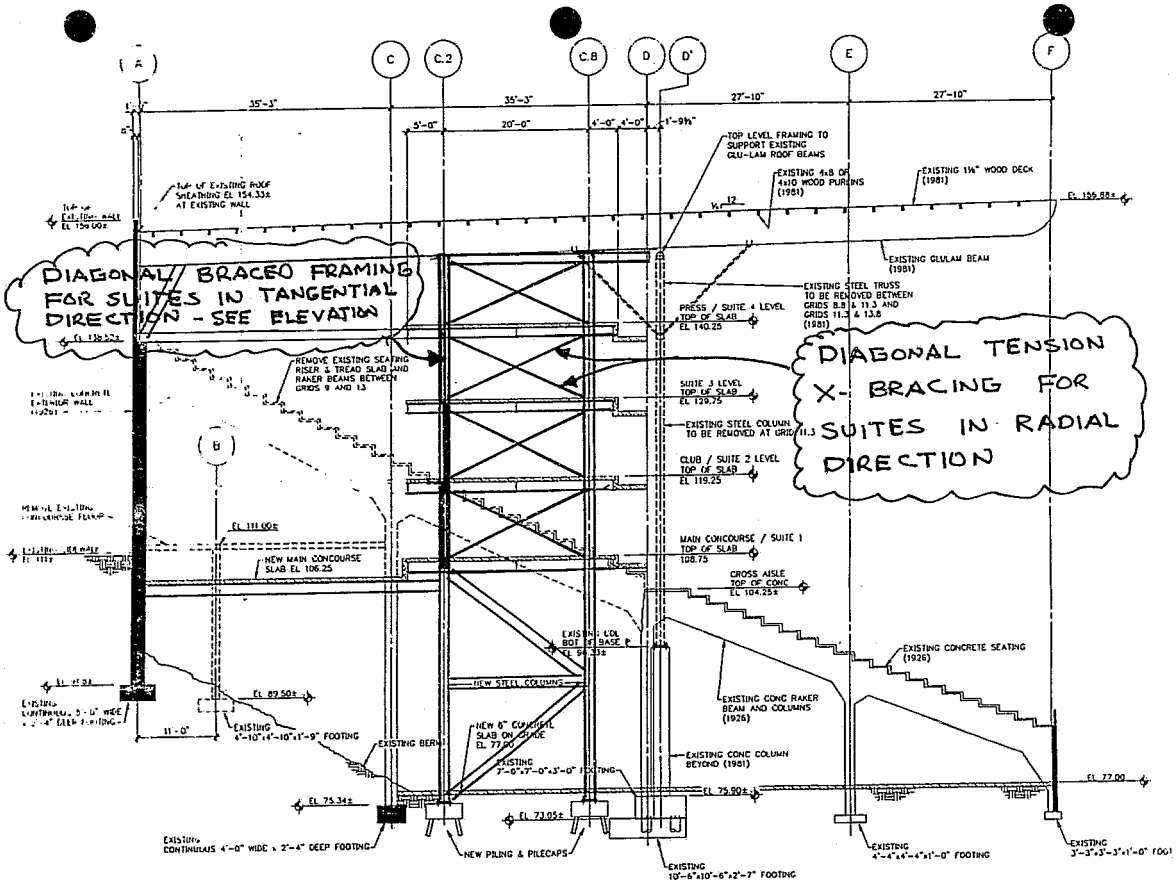
SECTION AT GRID 12

BASIC WIND SPEED = 80 MPH

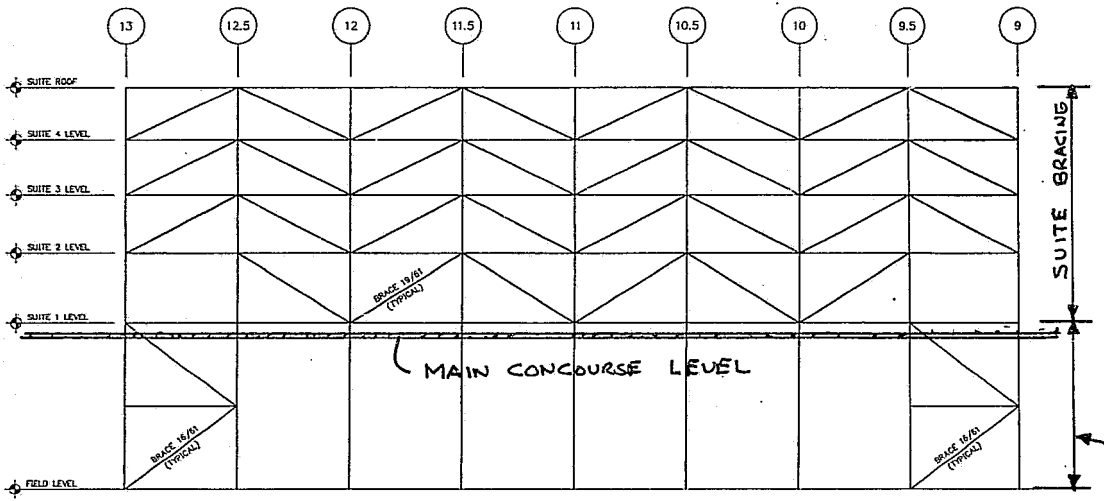


11/95


DIAGONAL TENSION X-BRACING FOR SUITES
DIAGONAL BRACED FRAMING FOR SUITES
ELEVATOR
ELEVATOR



3 SECTION AT GRID 12

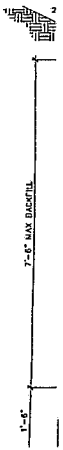


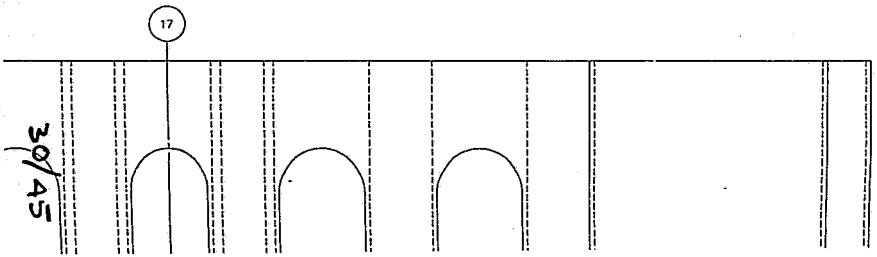
BRACED FRAMING FOR SUITES IN TANGENTIAL DIRECTION

14/51 ELEVATION - BRACING ALONG GRID C.2 - SUITES

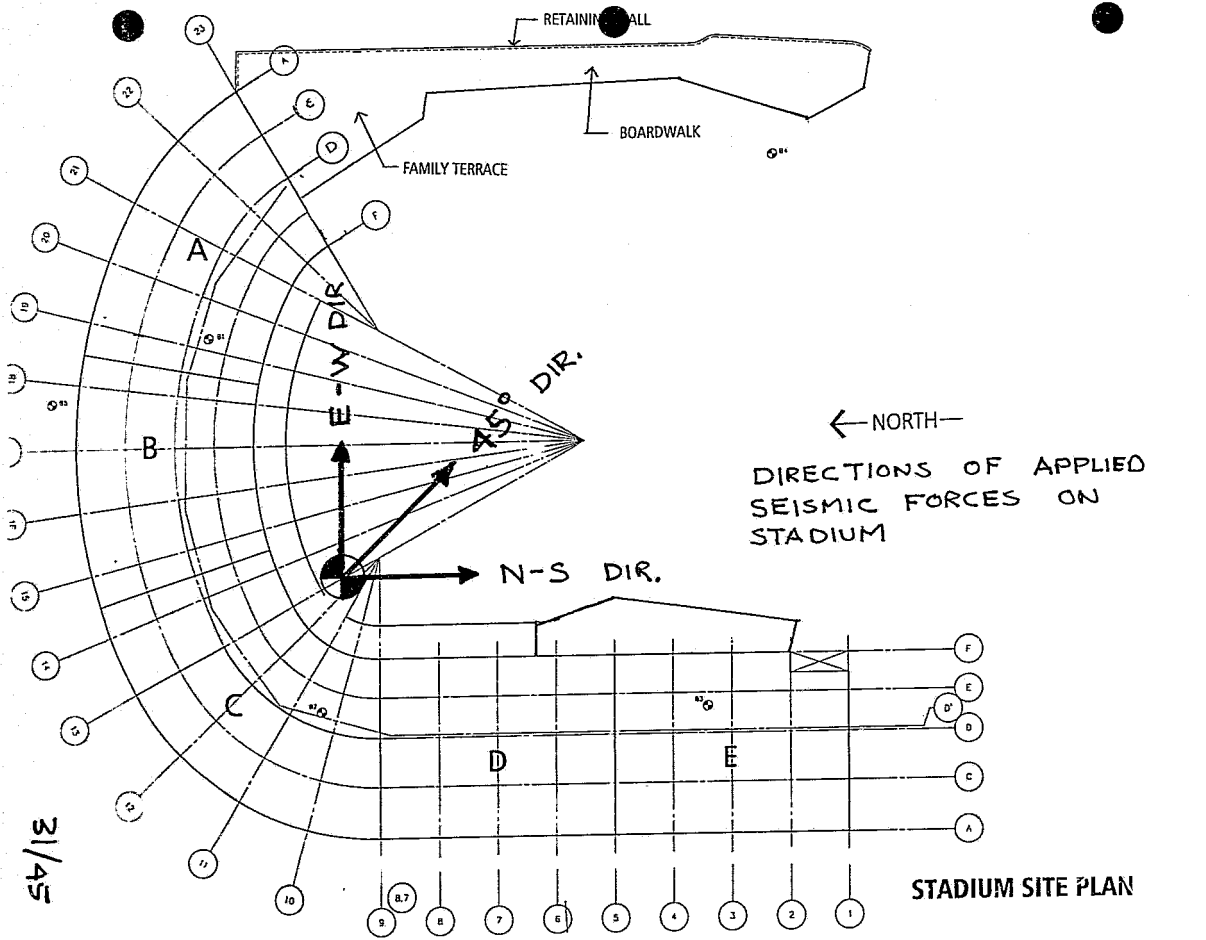
FIELD LEVEL TO MAIN CONCOURSE LEVEL BRACING FOR TOTAL STADIUM STRUCTURE

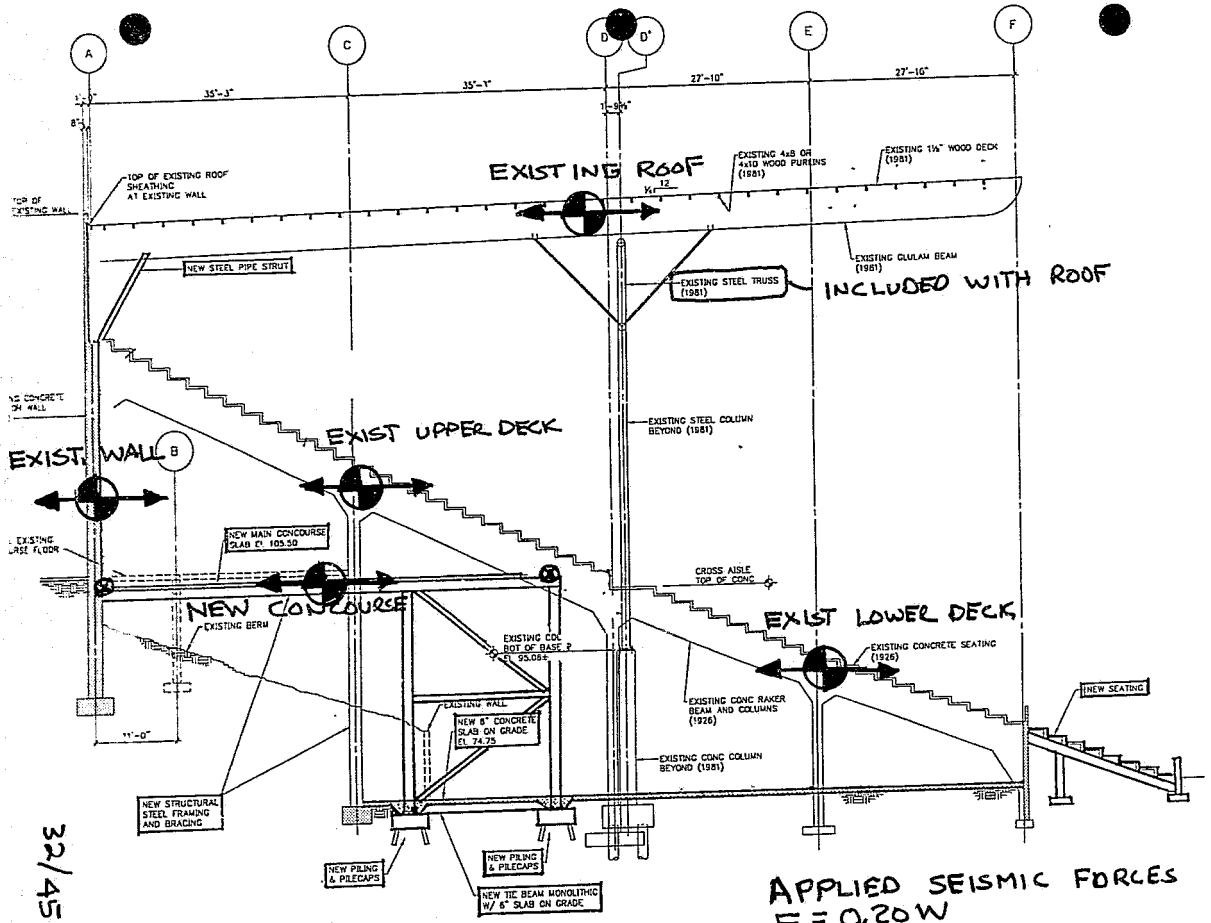
EXISTING COMMISS STRUCTURE DEMOL





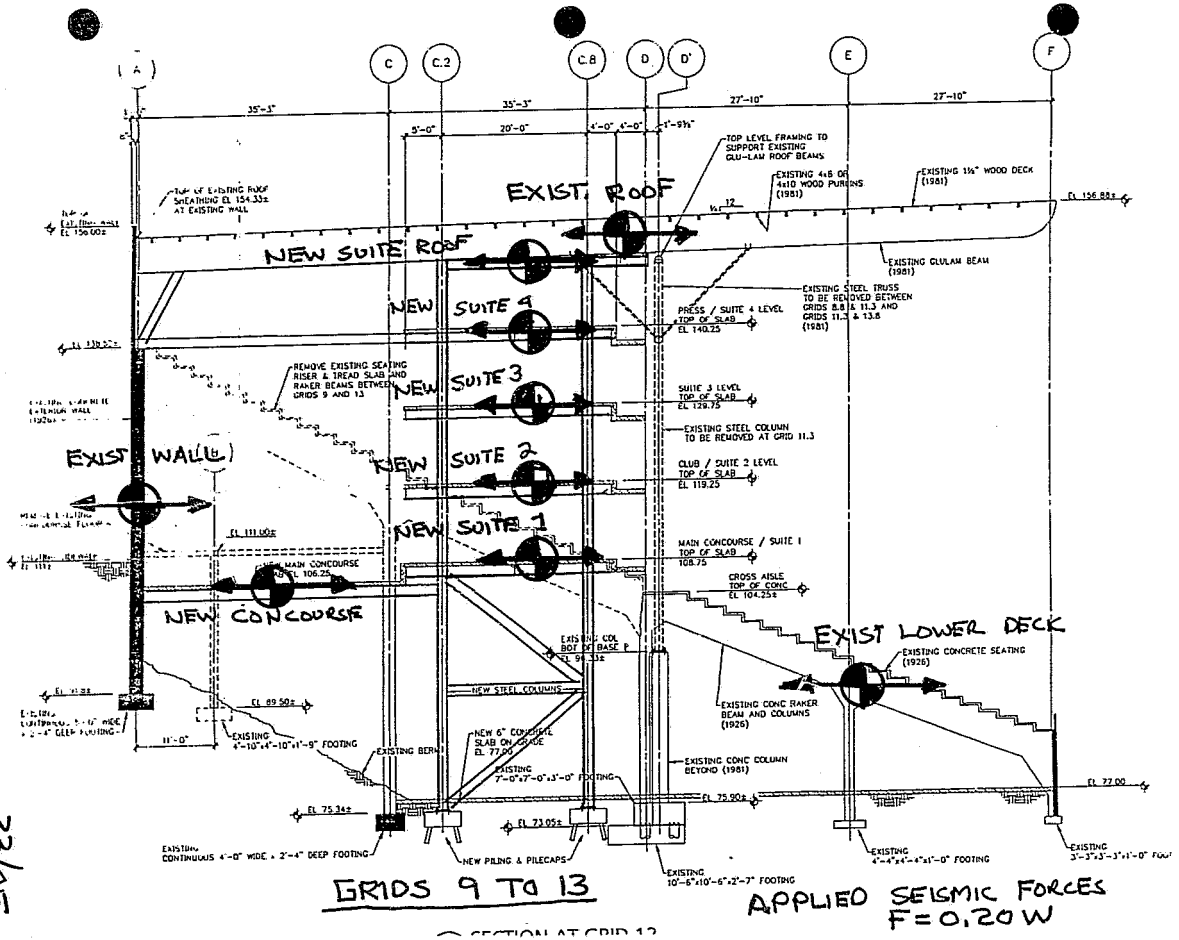
30/45


RETAINING WALL
BOARDWALK
FAMILY TERRACE
A
B
C
D
E
E-W DIR.
45° DIR.
N-S DIR.
← NORTH —
DIRECTIONS OF APPLIED SEISMIC FORCES ON STADIUM
STADIUM SITE PLAN
31/45



32/45

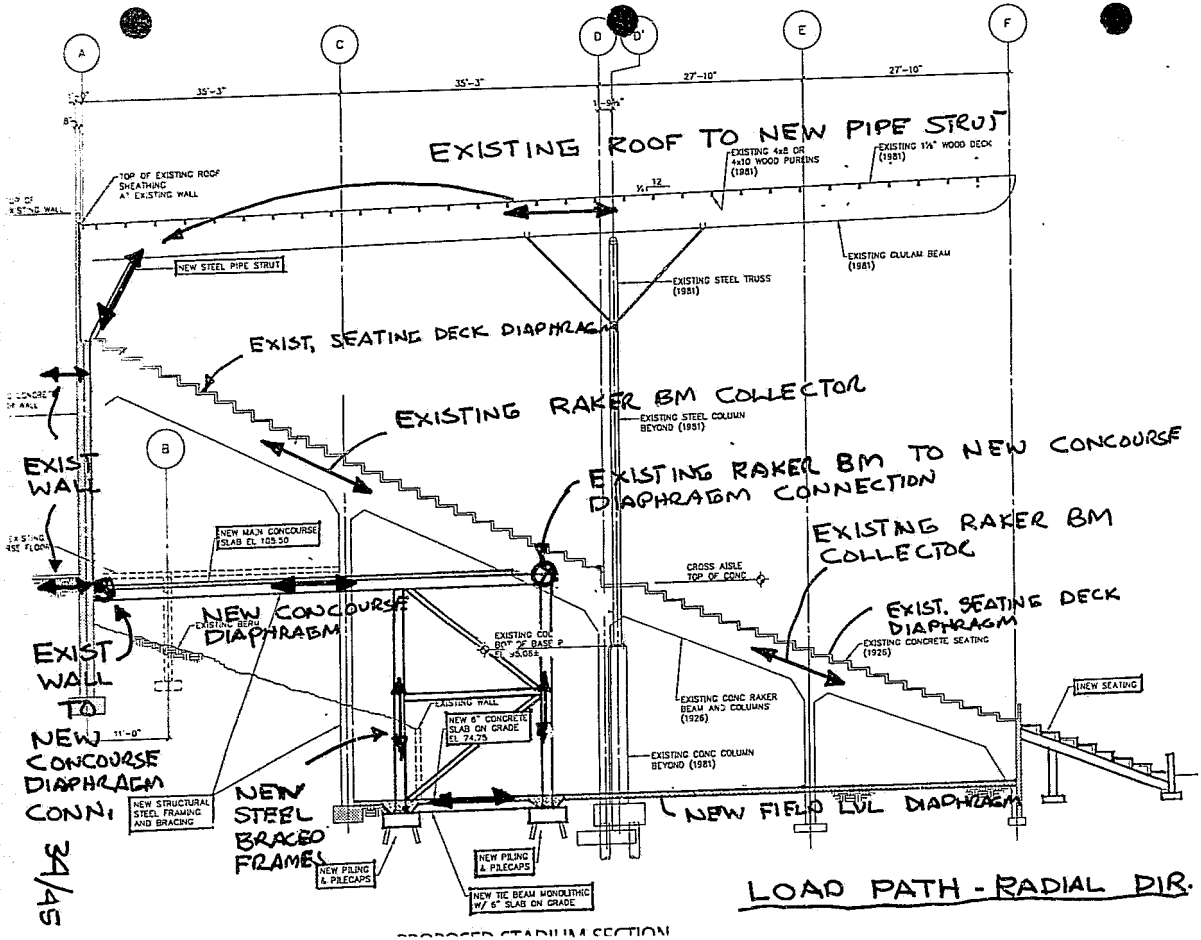
PROPOSED STADIUM SECTION



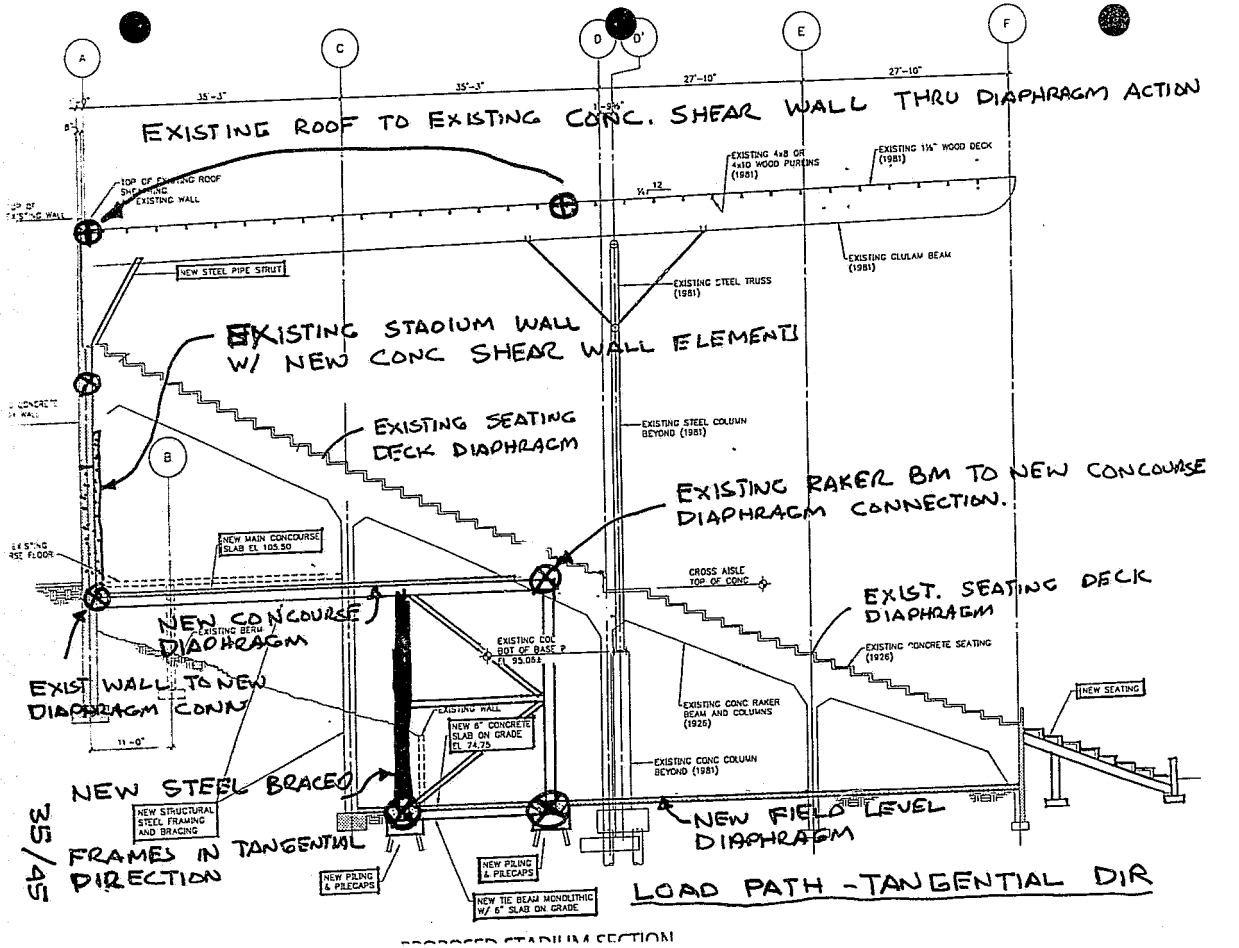
GRIDS 9 TO 13

APPLIED SEISMIC FORCES
F = 0.20 W

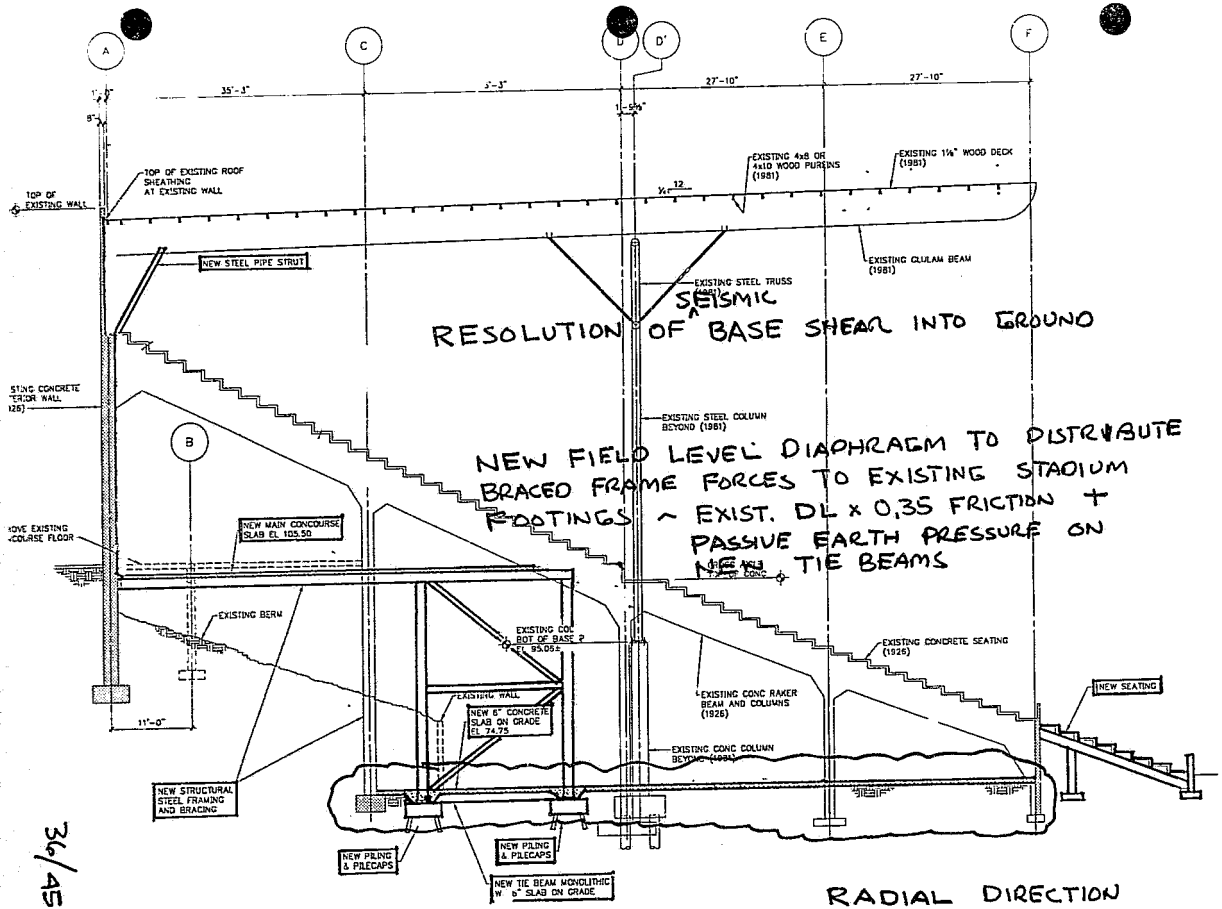
SECTION AT GRID 12


A
C
D
D'
E
F
35'-3"
35'-3"
27'-10"
27'-10"
EXISTING ROOF TO NEW PIPE STRUT
TOP OF EXISTING ROOF SHEATHING AT EXISTING WALL
EXISTING 4x8 OR 4x10 WOOD PURLINS (1981)
EXISTING 1½" WOOD DECK (1981)
NEW STEEL PIPE STRUT
EXISTING STEEL TRUSS (1981)
EXISTING GLULAM BEAM (1981)
EXIST. SEATING DECK DIAPHRAGM
EXISTING RAKER BM COLLECTOR
EXISTING STEEL COLUMN BEYOND (1981)
EXIST WALL
EXISTING RAKER BM TO NEW CONCOURSE DIAPHRAGM CONNECTION
EXISTING RAKER BM COLLECTOR
NEW MAIN CONCOURSE SLAB EL 105.50
CROSS AISLE TOP OF CONC
EXIST. SEATING DECK DIAPHRAGM
NEW CONCOURSE DIAPHRAGM
EXISTING BEAM
EXISTING CONC 30" ø BASE P EL 95.083
EXISTING CONCRETE SEATING (1926)
EXIST WALL TO NEW CONCOURSE DIAPHRAGM CONN.
EXISTING WALL
NEW 6" CONCRETE SLAB ON GRADE EL 74.25
NEW SEATING
EXISTING CONC RAKER BEAM AND COLUMNS (1926)
EXISTING CONC COLUMN BEYOND (1981)
11'-0"
NEW STRUCTURAL STEEL FRAMING AND BRACING
NEW STEEL BRACED FRAMES
NEW FIELD LVL DIAPHRAGM
NEW PILING & PILECAPS
NEW PILING & PILECAPS
NEW TIE BEAM MONOLITHIC W/ 6" SLAB ON GRADE
LOAD PATH - RADIAL DIR.
PROPOSED STADIUM SECTION

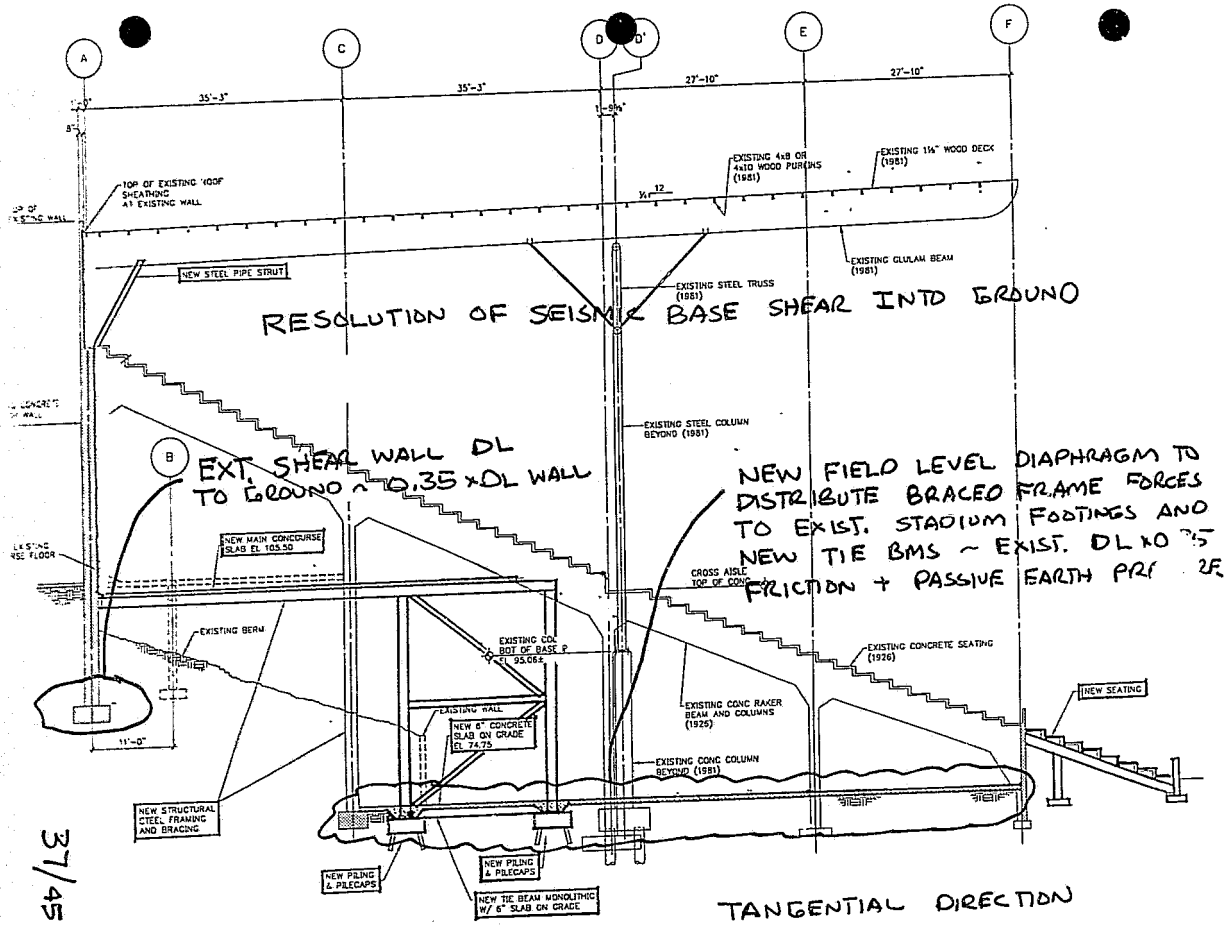
34/45



PROPOSED STADIUM SECTION

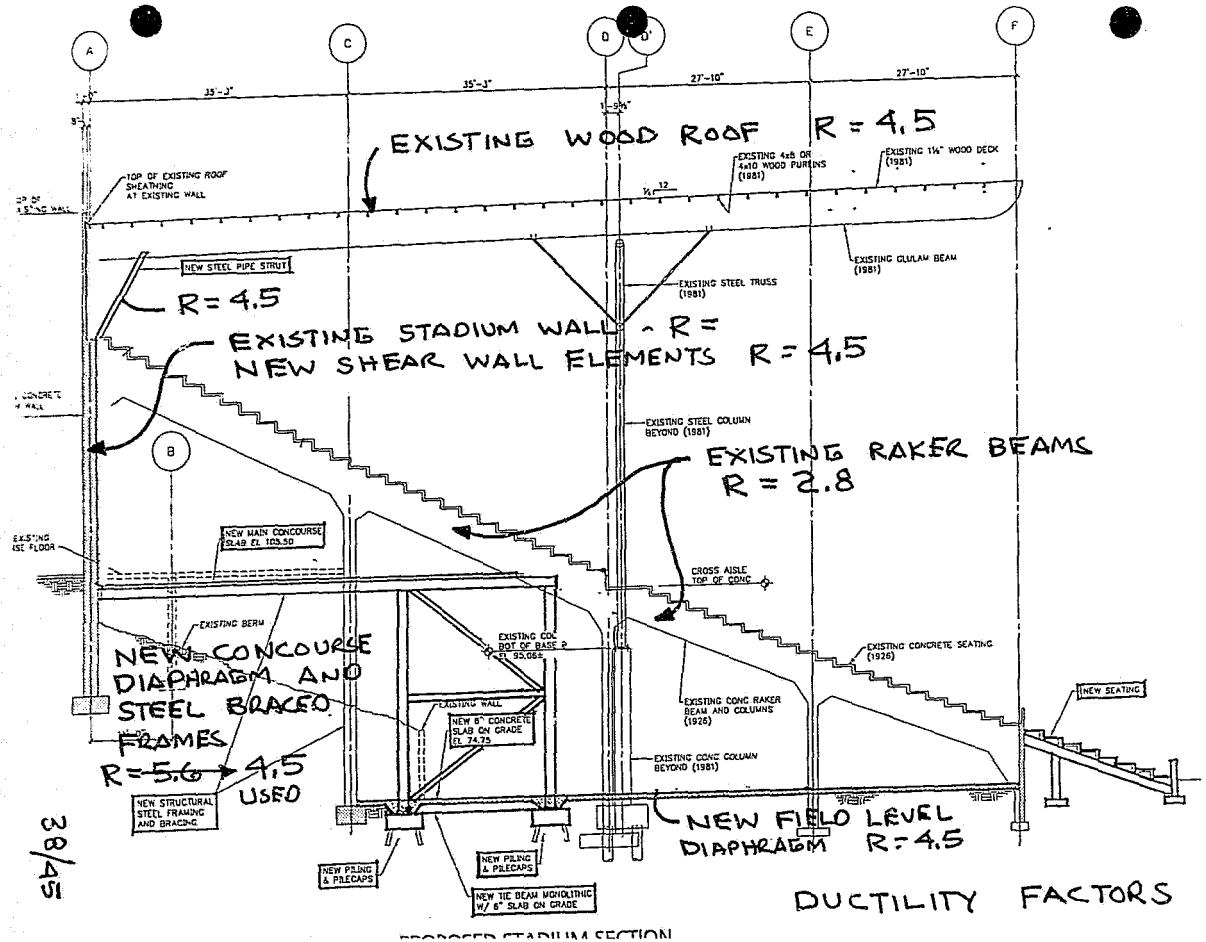

A
C
D
D'
E
F
35'-3"
5'-3"
27'-10"
27'-10"
TOP OF EXISTING WALL
TOP OF EXISTING ROOF SHEATHING AT EXISTING WALL
EXISTING 4x8 OR 4x10 WOOD PURLINS (1981)
EXISTING 1⅛" WOOD DECK (1981)
NEW STEEL PIPE STRUT
EXISTING GLULAM BEAM (1981)
EXISTING STEEL TRUSS
SEISMIC
RESOLUTION OF BASE SHEAR INTO GROUND
EXISTING STEEL COLUMN BEYOND (1981)
NEW FIELD LEVEL DIAPHRAGM TO DISTRIBUTE BRACED FRAME FORCES TO EXISTING STADIUM FOOTINGS ~ EXIST. DL x 0,35 FRICTION + PASSIVE EARTH PRESSURE ON TIE BEAMS
B
NEW MAIN CONCOURSE SLAB EL 105.50
EXISTING BERM
EXISTING CONC BOT OF BASE ? EL 95.05±
EXISTING CONCRETE SEATING (1926)
EXISTING WALL
NEW 6" CONCRETE SLAB ON GRADE EL 74.75
EXISTING CONC RAKER BEAM AND COLUMNS (1926)
NEW SEATING
EXISTING CONC COLUMN BEYOND (1981)
11'-0"
NEW STRUCTURAL STEEL FRAMING AND BRACING
NEW PILING & PILECAPS
NEW PILING & PILECAPS
NEW TIE BEAM MONOLITHIC W 6" SLAB ON GRADE
RADIAL DIRECTION

36/45



PROPOSED STADIUM SECTION

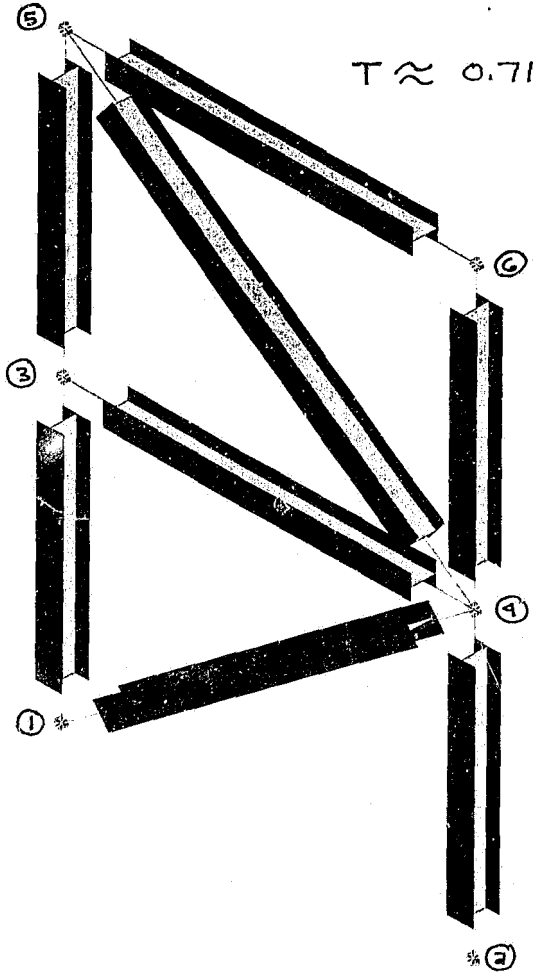
37/45

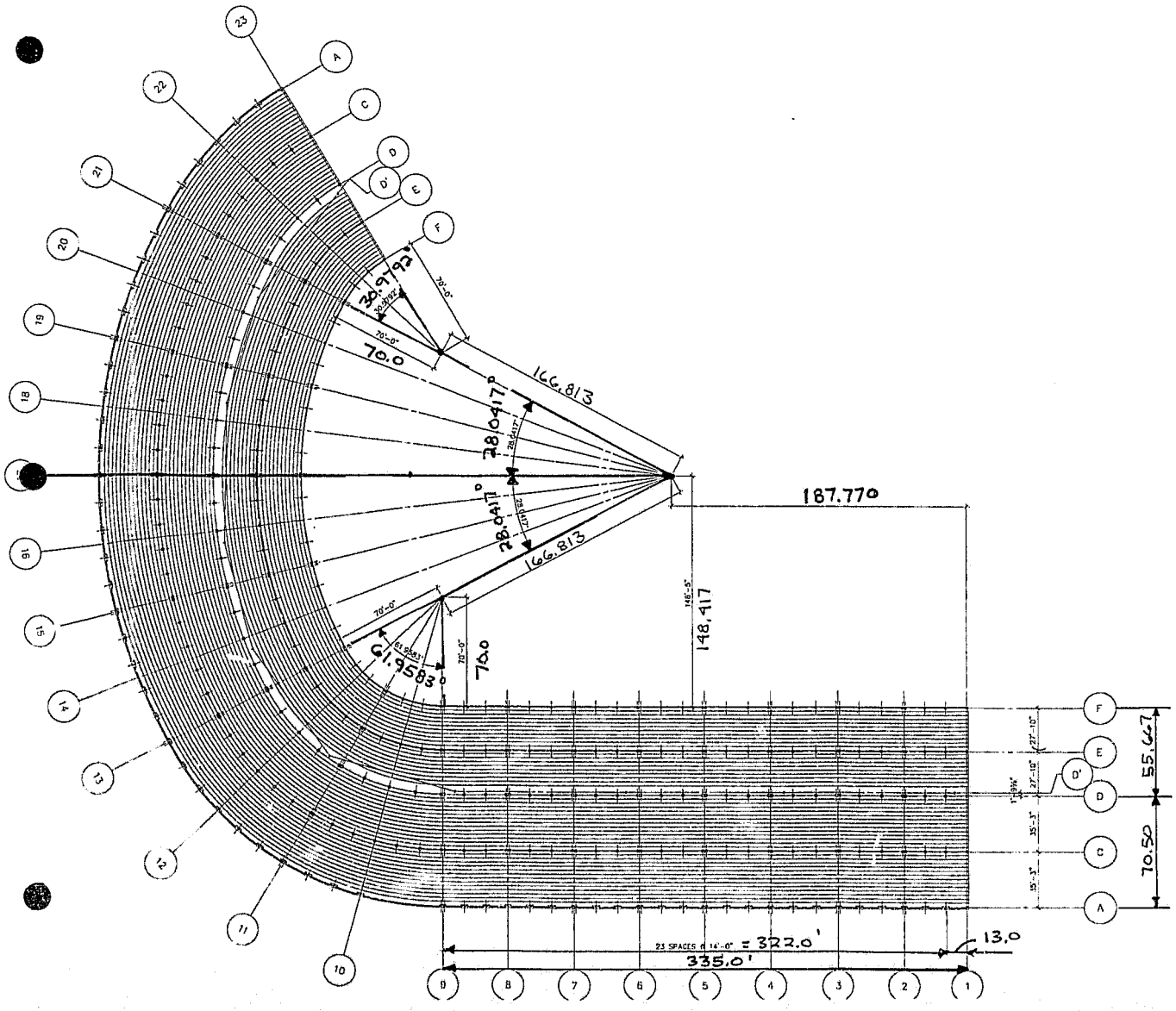


28/45

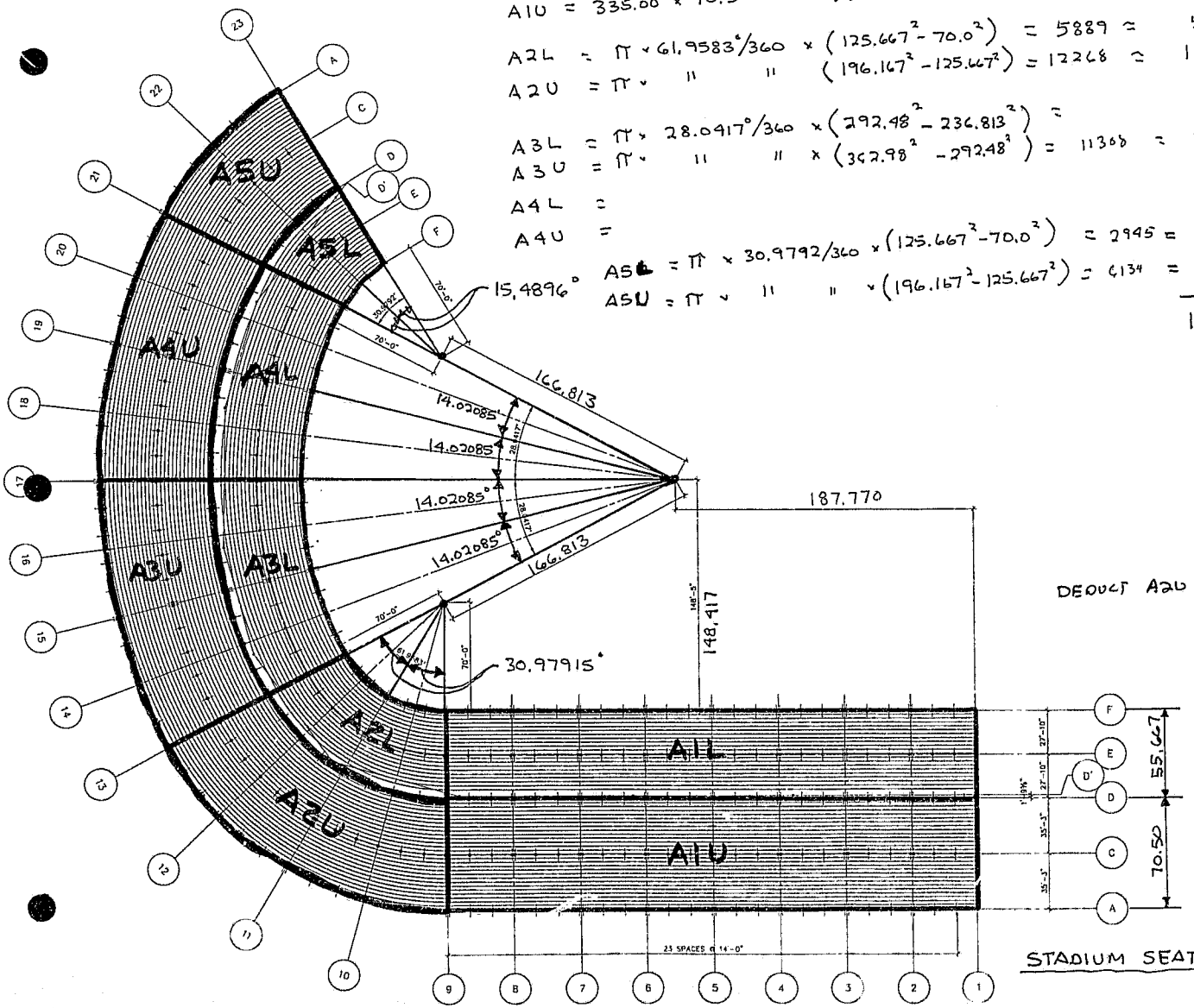
PROPOSED STADIUM SECTION

TYPICAL BRACE NATURAL PERIOD.





STADIUM GEOMETRY



$A1L = 335.00 \times 55.667 = 18648 \approx 18650$ SF — 18650

$A1U = 335.00 \times 70.50 = 23618 \approx 23620$ SF — 23620

$A2L = \pi \times 61.9583°/360 \times (125.667^2 - 70.0^2) = 5889 \approx$ — 5890

$A2U = \pi \times$ " " $(196.167^2 - 125.667^2) = 12268 \approx$ — 12270

$A3L = \pi \times 28.0417°/360 \times (292.48^2 - 236.813^2) =$ — 7210

$A3U = \pi \times$ " " $\times (362.98^2 - 292.48^2) = 11308 \approx$ — 11310

A4L = — 7210

A4U = — 11310

$A5L = \pi \times 30.9792/360 \times (125.667^2 - 70.0^2) = 2945 \approx$ — 2950

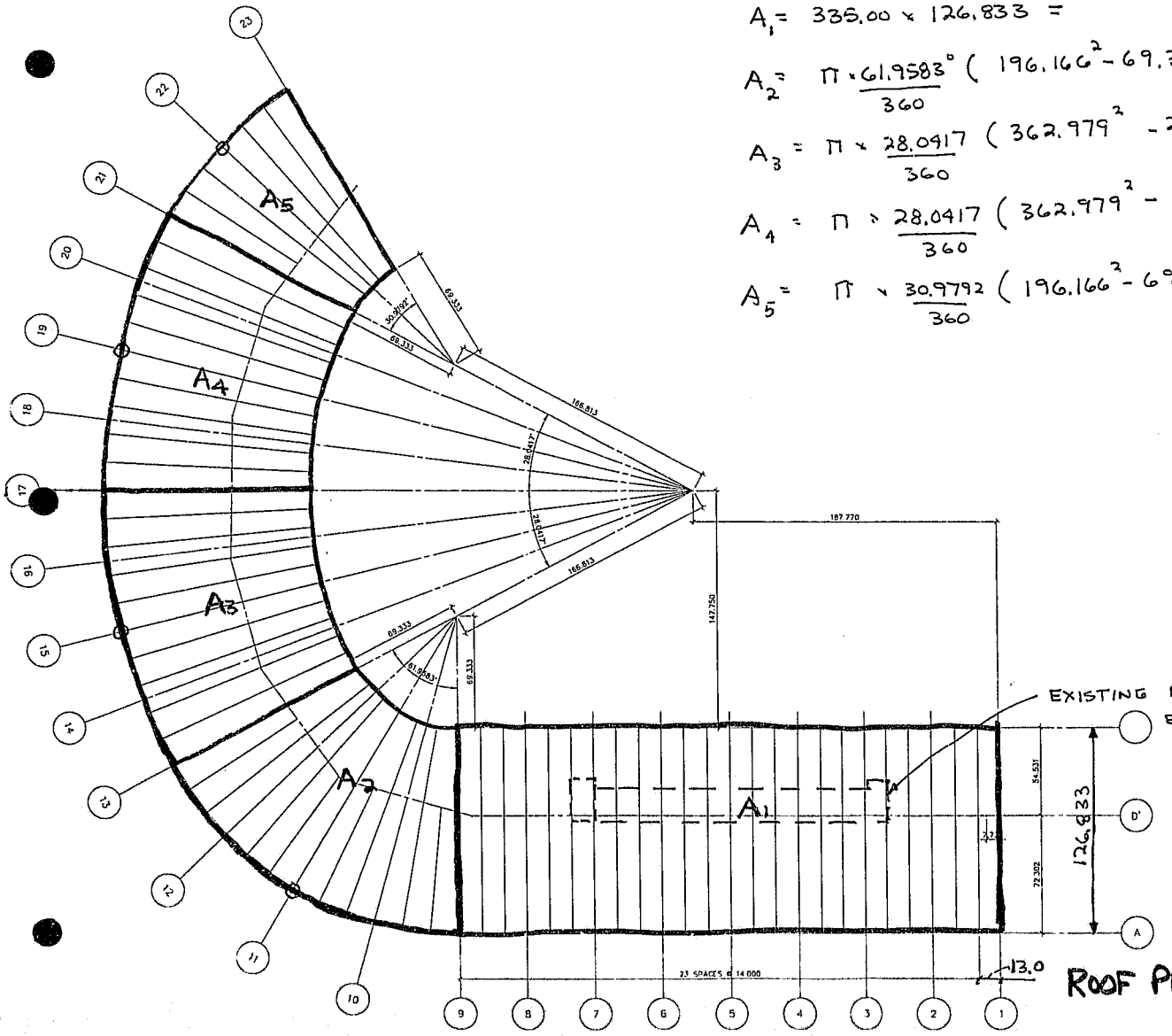
$A5U = \pi \times$ " " $\times (196.167^2 - 125.667^2) = 6134 \approx$ — 6130

106550 SF TOTAL

UPPER DECK	LOWER DECK
23618	18648
12268	5889
11308	7210
11308	7210
6134	2950
69636	41907
DEDUCT A2U −12268	
52368	

STADIUM SEATING AREAS — EXISTING

2/45



$A_1 = 335.00 \times 126.833 =$ 42 489 ≈ 42490

$A_2 = \pi \times \frac{61.9583^\circ}{360} \left(196.166^2 - 69.333^2 \right) =$ 18 207 ≈ 18 210

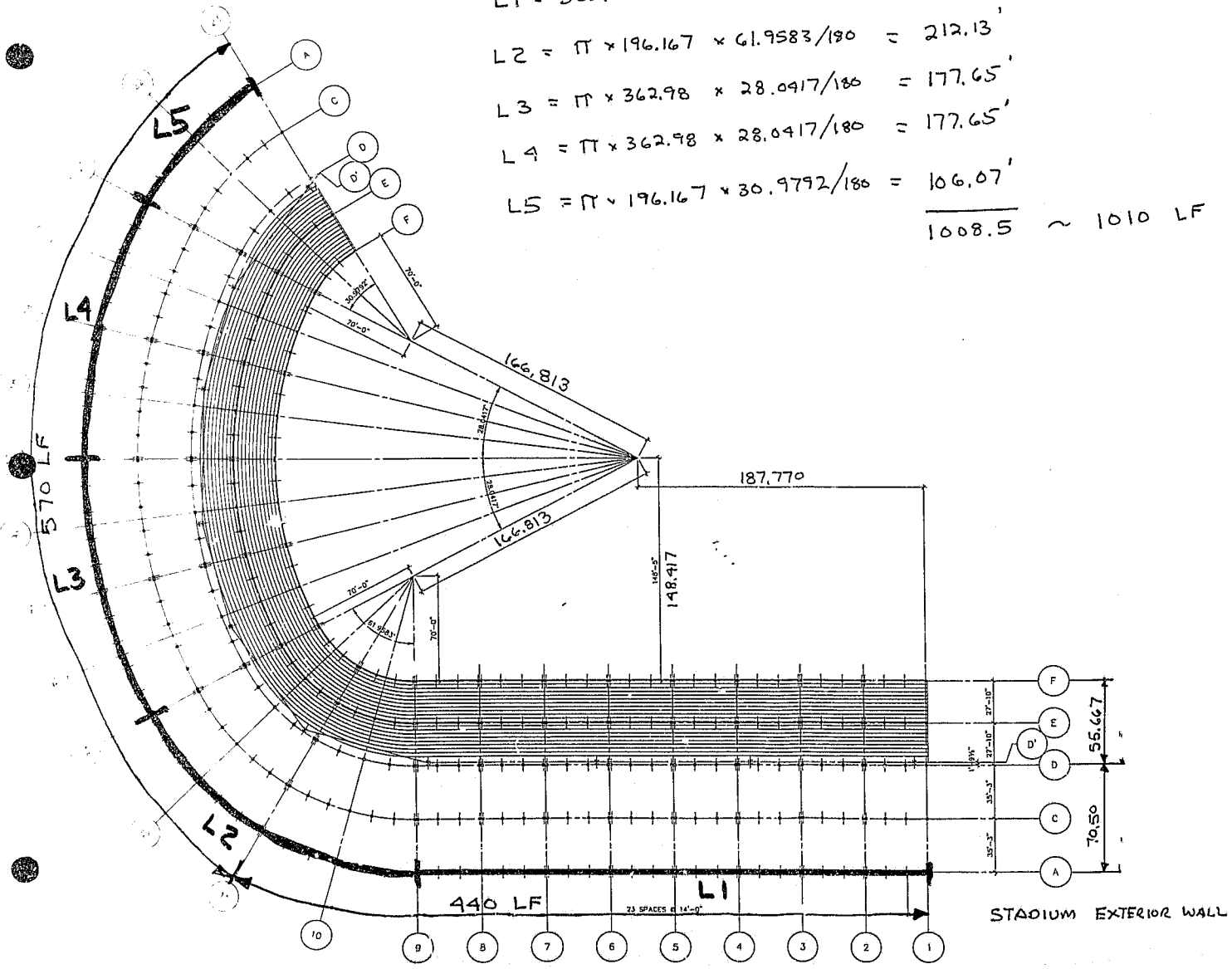
$A_3 = \pi \times \frac{28.0417}{360} \left(362.979^2 - 236.146^2 \right) =$ 18595 ≈ 18600

$A_4 = \pi \times \frac{28.0417}{360} \left(362.979^2 - 236.146^2 \right) =$ 18595 ≈ 18600

$A_5 = \pi \times \frac{30.9792}{360} \left(196.166^2 - 69.333^2 \right) =$ 9104 ≈ 9100

106990 107,000 SF

3/45



L1 = 335.00' 335.00'

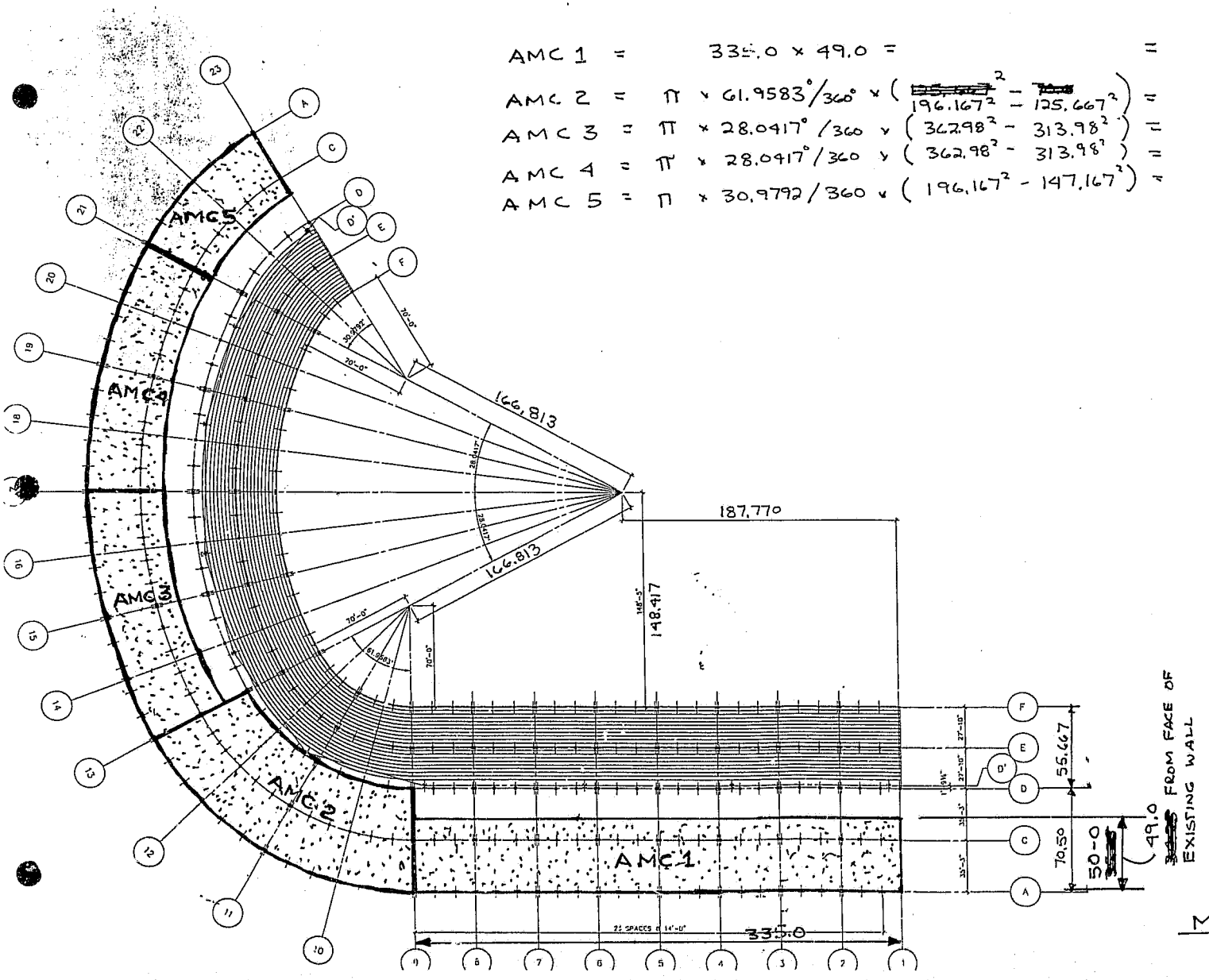
L2 = π × 196.167 × 61.9583/180 = 212.13'

L3 = π × 362.98 × 28.0417/180 = 177.65'

L4 = π × 362.98 × 28.0417/180 = 177.65'

L5 = π × 196.167 × 30.9792/180 = 106.07'

1008.5 ~ 1010 LF



AMC 1 = 335.0 × 49.0 = = 16 415

AMC 2 = π × 61.9583°/360° × ([illegible]² − 196.167² − 125.667²) = 12268

AMC 3 = π × 28.0417°/360 × (362.98² − 313.98²) = 8117

AMC 4 = π × 28.0417°/360 × (362.98² − 313.98²) = 8117

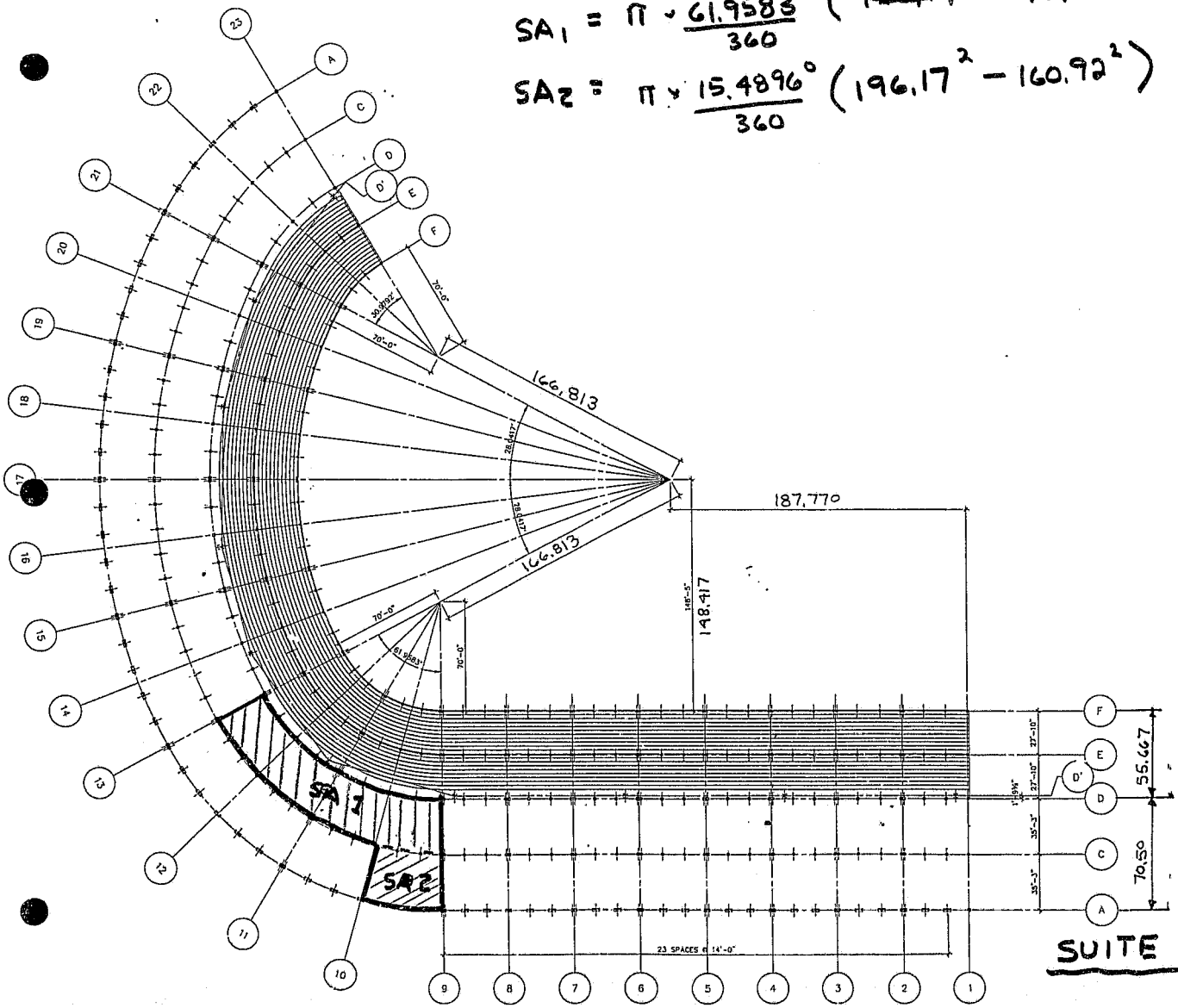
AMC 5 = π × 30.9792/360 × (196.167² − 147.167²) = 4548

49465 SF

MAIN CONCOURSE

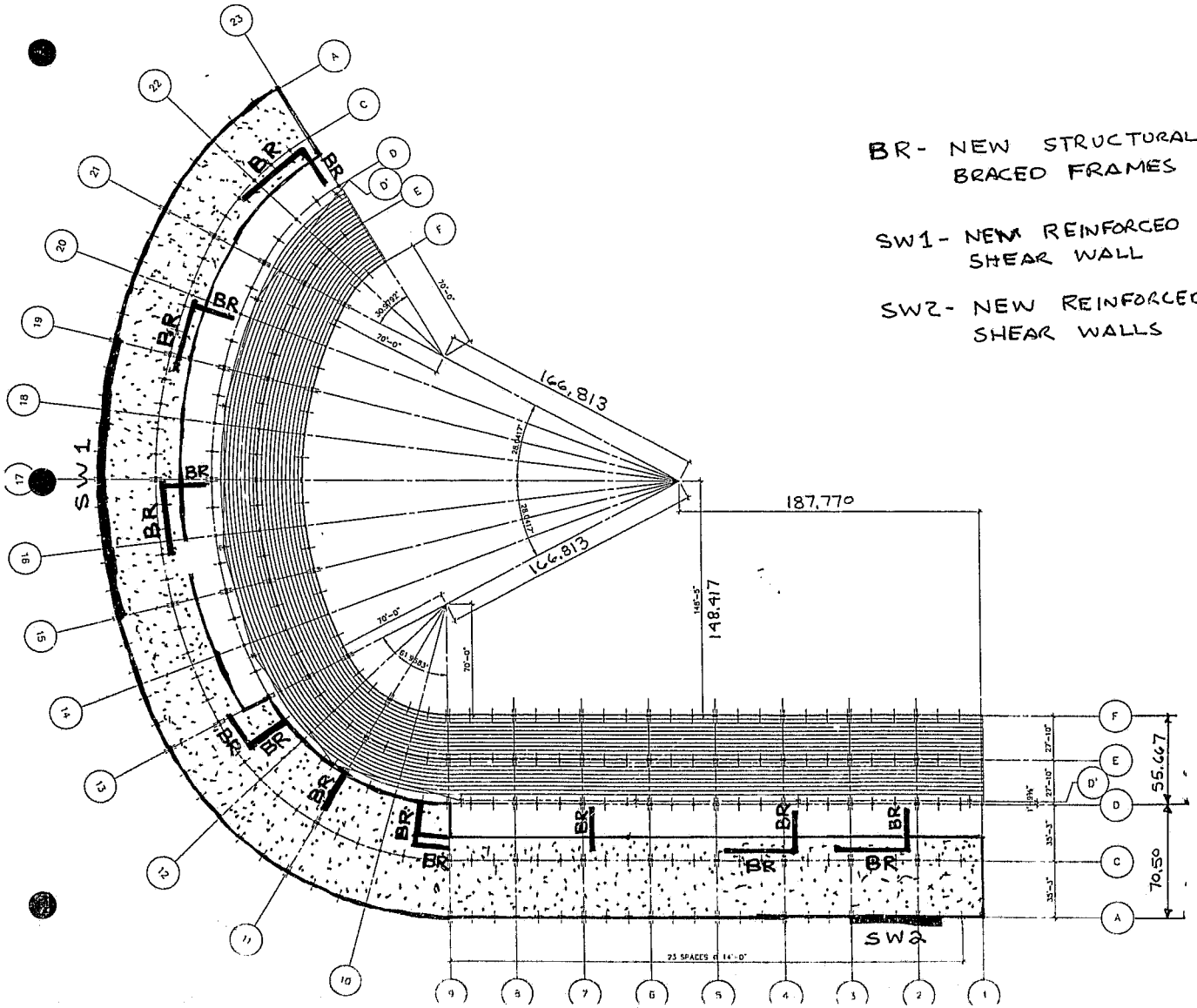
$SA_1 = \pi \times \frac{61.9583^\circ}{360} \left(\frac{160.92^2}{} - 70.0^2 \right) = 11352 \approx 11350$ SF

$SA_2 = \pi \times \frac{15.4896^\circ}{360} \left(196.17^2 - 160.92^2 \right) = 1701 \approx \frac{1700}{13050}$ S/F



SUITE LEVELS 2, 3 & 4, & ROOF

6/45



BR- NEW STRUCTURAL STEEL BRACED FRAMES TOTAL OF 16

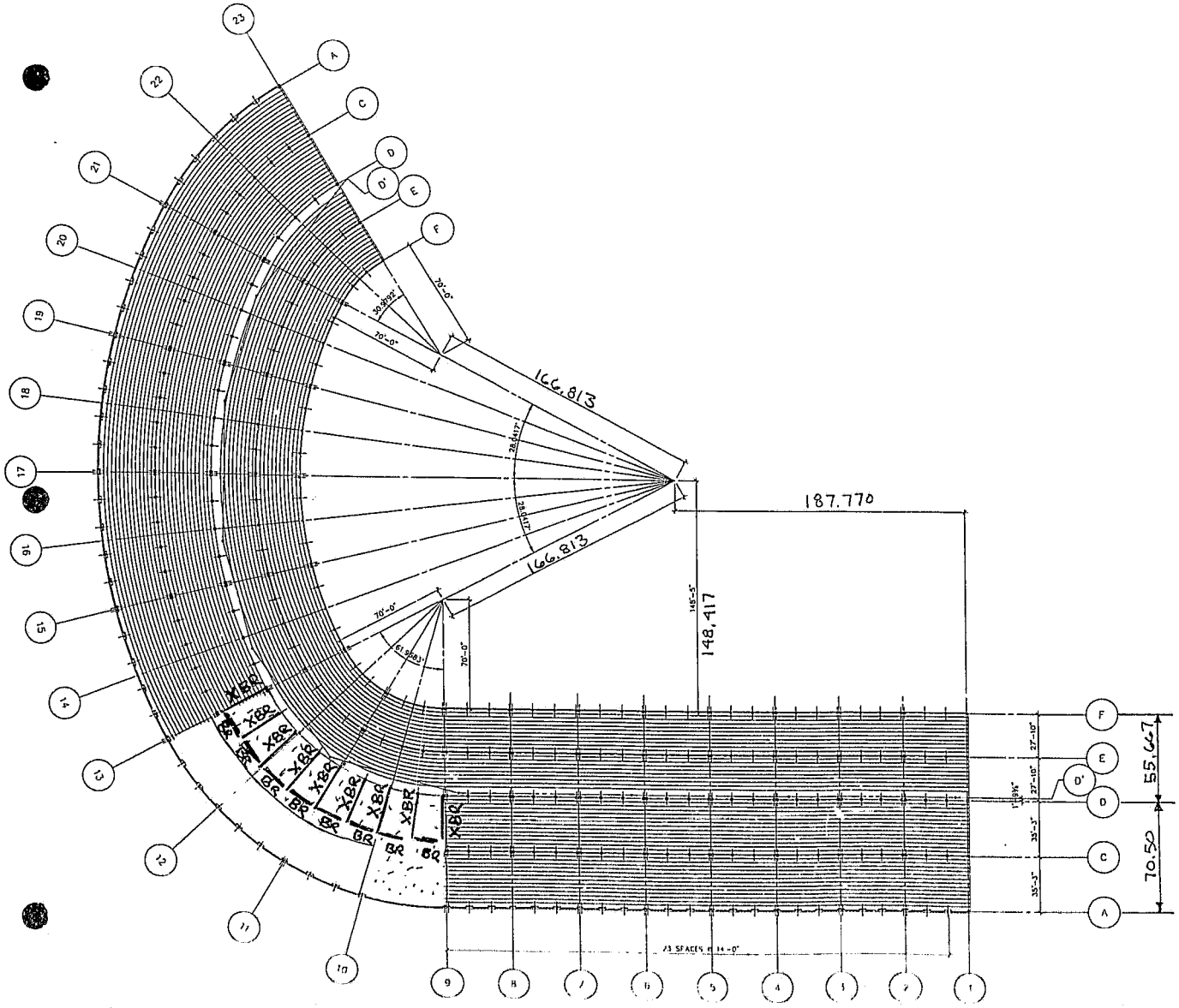
SW1- NEW REINFORCED CONCRETE SHOTCRETE SHEAR WALL

SW2- NEW REINFORCED CONCRETE CAST IN PLACE SHEAR WALLS (INFILL EXISTING EXTERIOR WALL OPENINGS)

MAIN STADIUM BRACED FRAMES

MAIN CONCOURSE

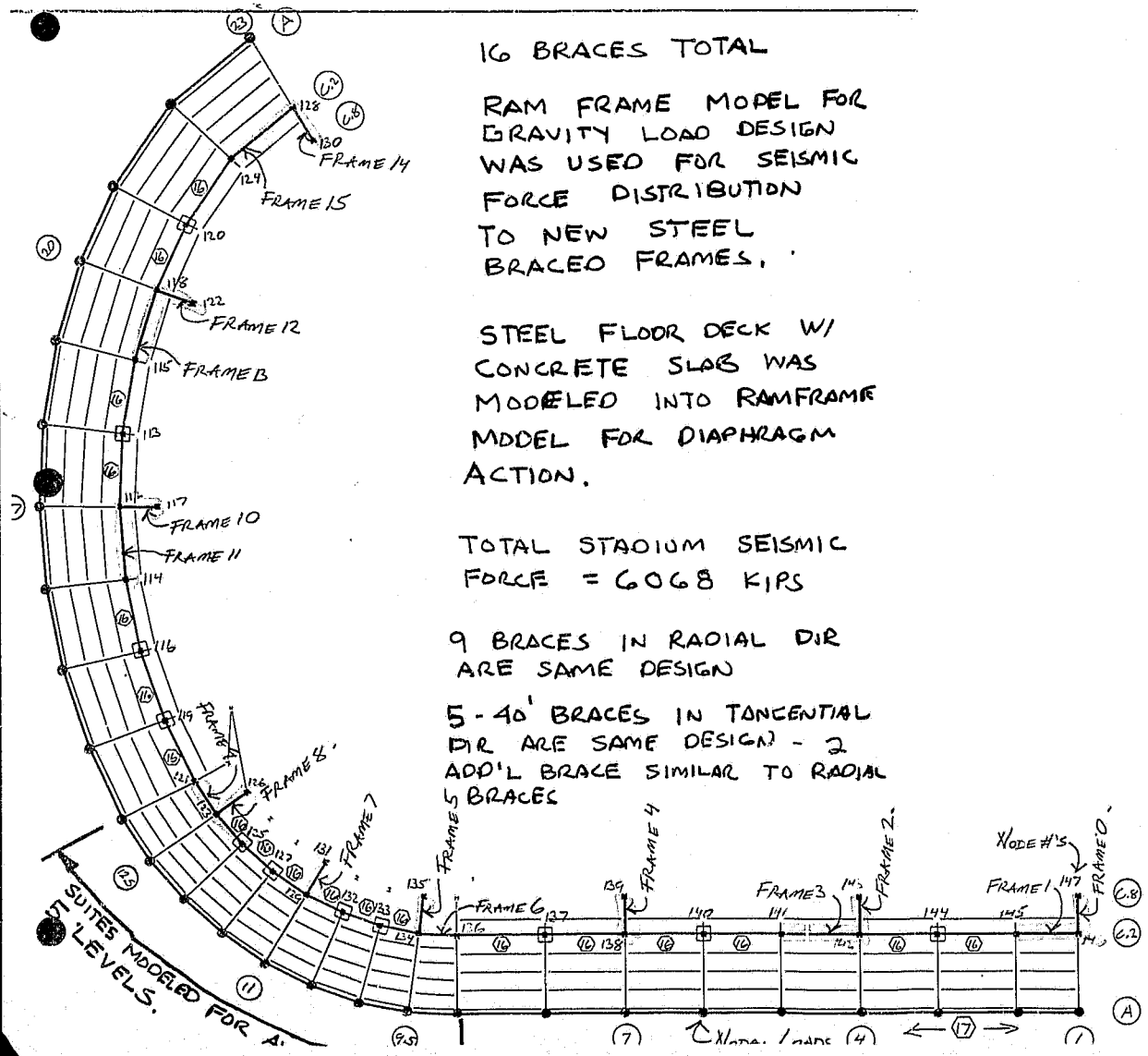
26/45



SUITE LEVEL BRACING

27/45

Da[illegible]se. ddltrl2 04/11/00 09:04:38
Plan View Story: Concourse



16 BRACES TOTAL

RAM FRAME MODEL FOR GRAVITY LOAD DESIGN WAS USED FOR SEISMIC FORCE DISTRIBUTION TO NEW STEEL BRACED FRAMES.

STEEL FLOOR DECK W/ CONCRETE SLAB WAS MODELED INTO RAMFRAME MODEL FOR DIAPHRAGM ACTION.

TOTAL STADIUM SEISMIC FORCE = 6068 KIPS

9 BRACES IN RADIAL DIR ARE SAME DESIGN

5 - 40' BRACES IN TANGENTIAL DIR ARE SAME DESIGN - 2 ADD'L BRACE SIMILAR TO RADIAL BRACES

(16) FRAME 16: DRAG STRUTS W/ ▣ COLUMNS ~ PINNED CONNECTIONS ~ ASSUME ONLY AXIAL LOADS & BENDING DUE TO GRAVITY

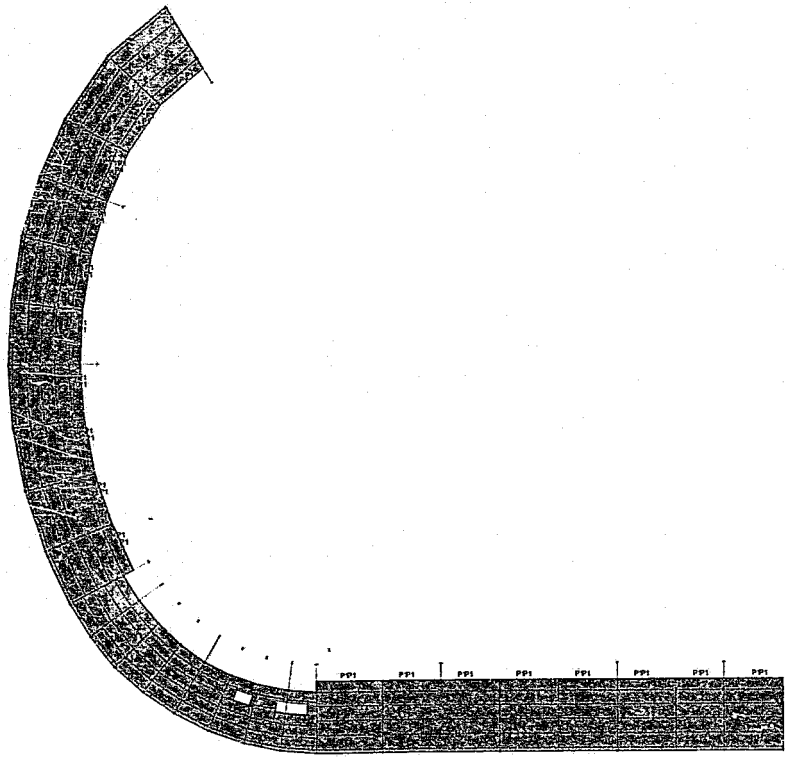
(17) FRAME 17: EDGE BEAMS ~ FOR LOAD APPLICATION ONLY

29/15

RAM [illegible] v8.1 Floor Map
Data[illegible]e: ddgrvty
Building Code: UBC2
Floor Type: Concourse

04/20/00 14:31[illegible]

MAIN CONCOURSE [illegible]
FLOOR LOADING



B1

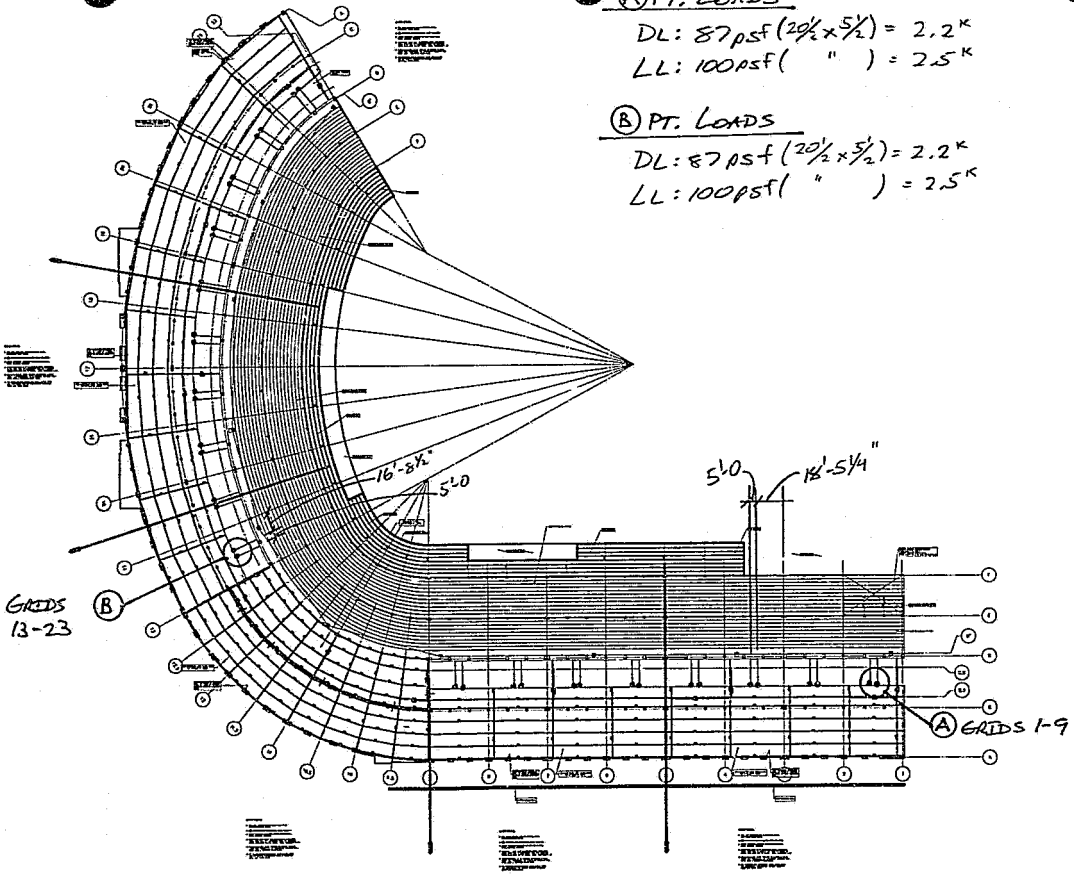
Data[redacted]e: ddgrvty 04/20/00 14:31[redacted]
Building Code: UBC2
Floor Type: Concourse

Surface Loads

	Label	DL psf	CDL psf	LL psf	Reduction Type	Mass DL psf
[redacted]	Concourse/Suite	97.0	87.0	100.0	Unreducible	0.0

Point Loads

	Label	DL kips	CDL kips	LL kips	Reduction Type	Mass DL kips
P1	Ramp Pt Loads	2.2	1.9	2.5	Unreducible	0.0



Ⓐ PT. LOADS

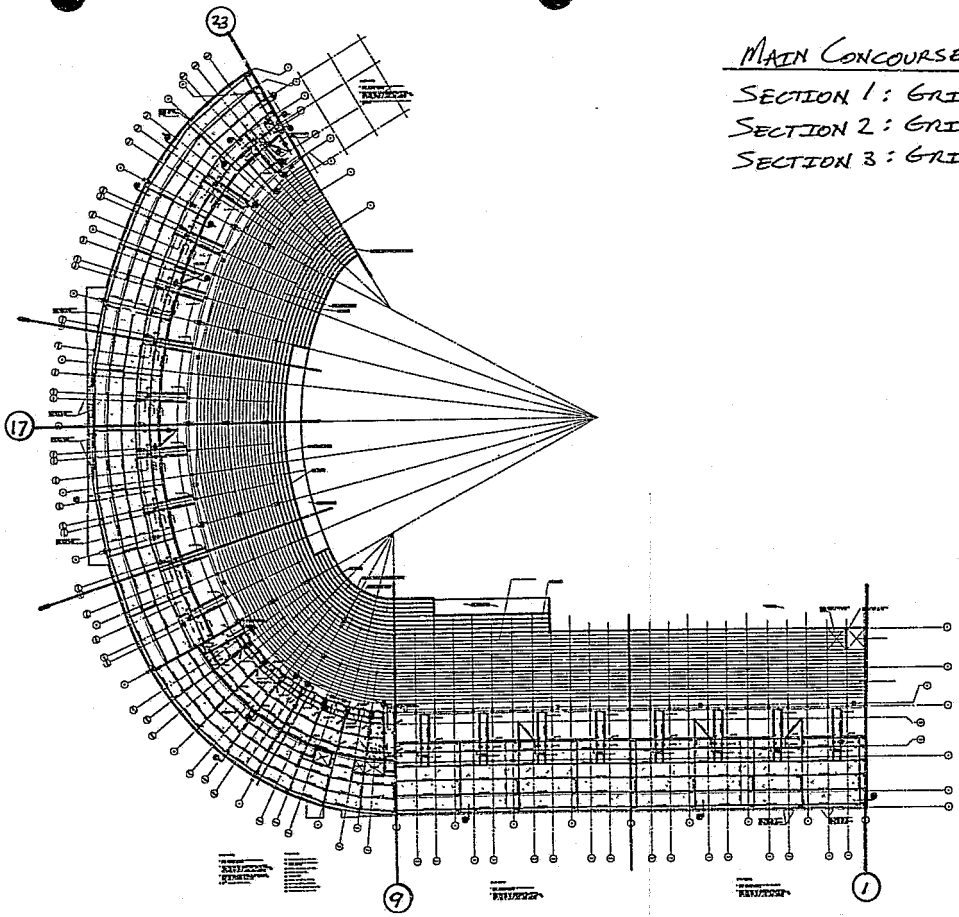
DL: 87 psf (20½ × 5½) = 2.2ᴷ

LL: 100 psf (") = 2.5ᴷ

Ⓑ PT. LOADS

DL: 87 psf (20½ × 5½) = 2.2ᴷ

LL: 100 psf (") = 2.5ᴷ



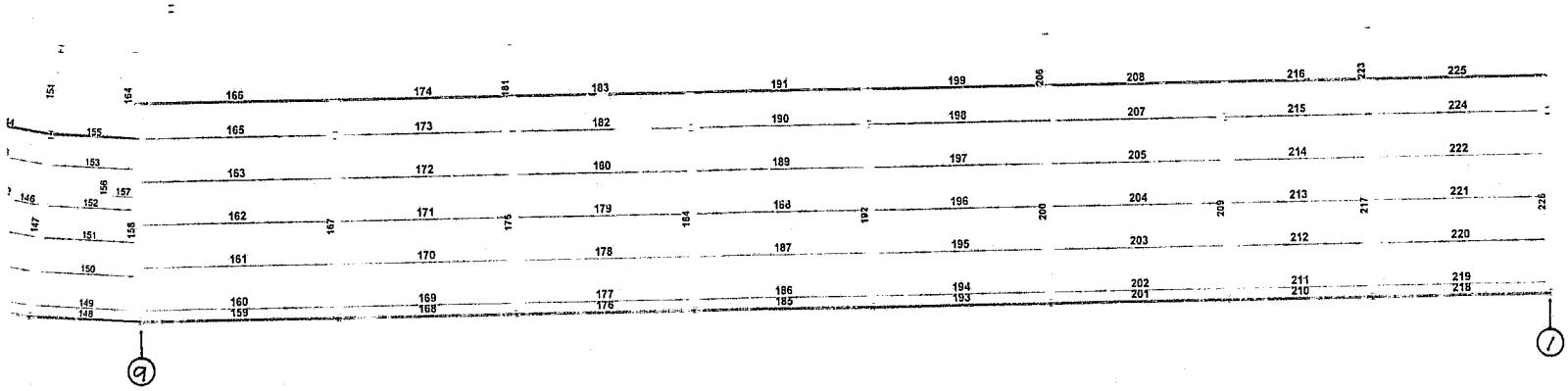
MAIN CONCOURSE LEVEL

SECTION 1: GRID 1-9
SECTION 2: GRID 9-17
SECTION 3: GRID 17-23

RAM Steel V6.1 Floor Map
DataBase: ddgrvty
Building Code: UBC2
Floor Type: Concourse

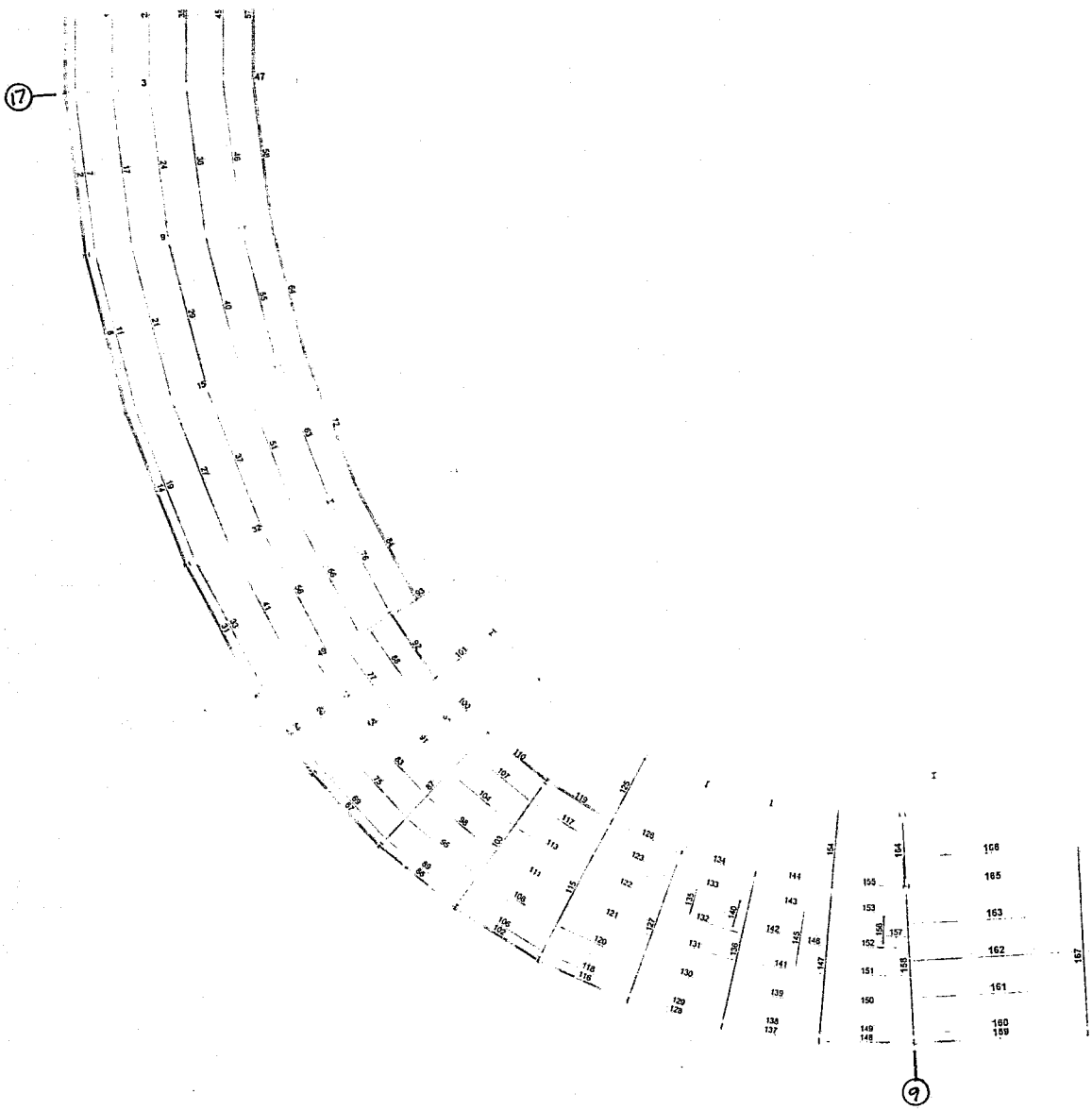
04/20/00 14:31:37

MAIN CONCOURSE LEVEL
SECTION 1: BEAM #'S



RAM Steel V6.1 Floor Map
DataBase: ddgrvty
Building Code: UBC2
Floor Type: Concourse

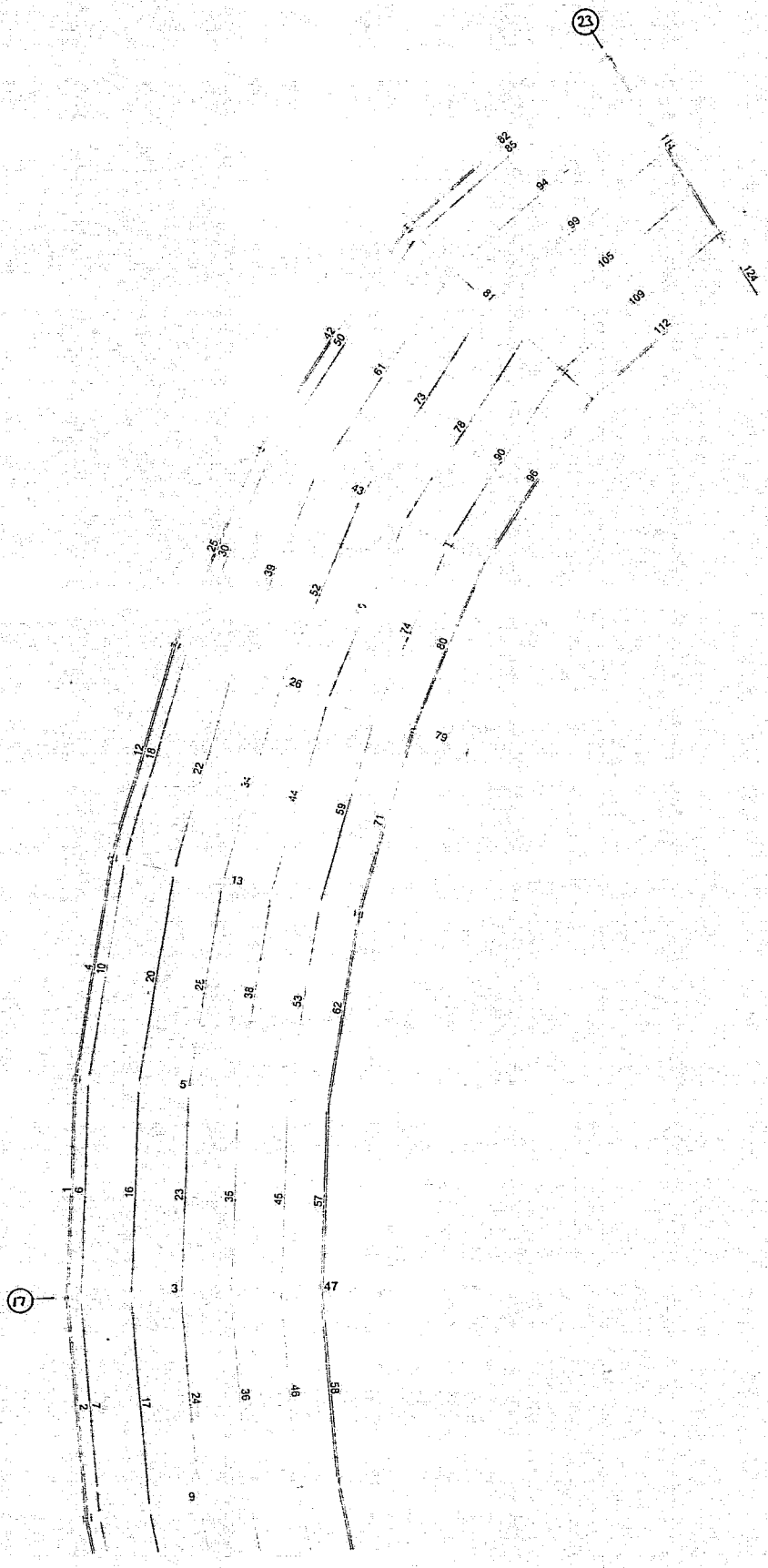
04/20/00 14:31:37



SECTION 2: BEAM #1s

RAM Steel V6.1 Floor Map
DataBase: ddgrvty
Building Code: UBC2
Floor Type: Concourse

04/20/00 14:31:37

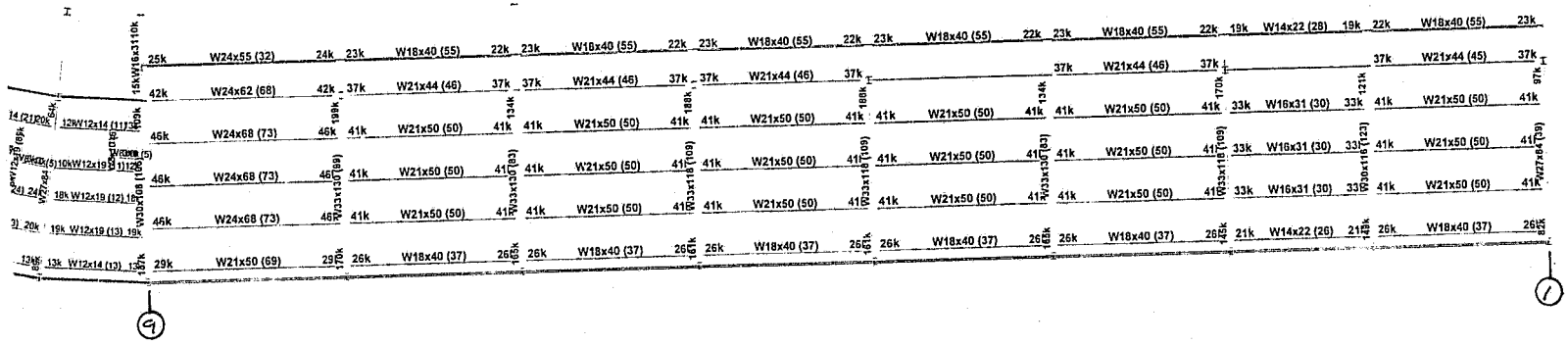


MAIN CONCOURSE LEVEL
SECTION 3: BAYS #'S

RAM Steel V6.1 Floor Map
DataBase: ddgrvty
Building Code: UBC2
Floor Type: Concourse

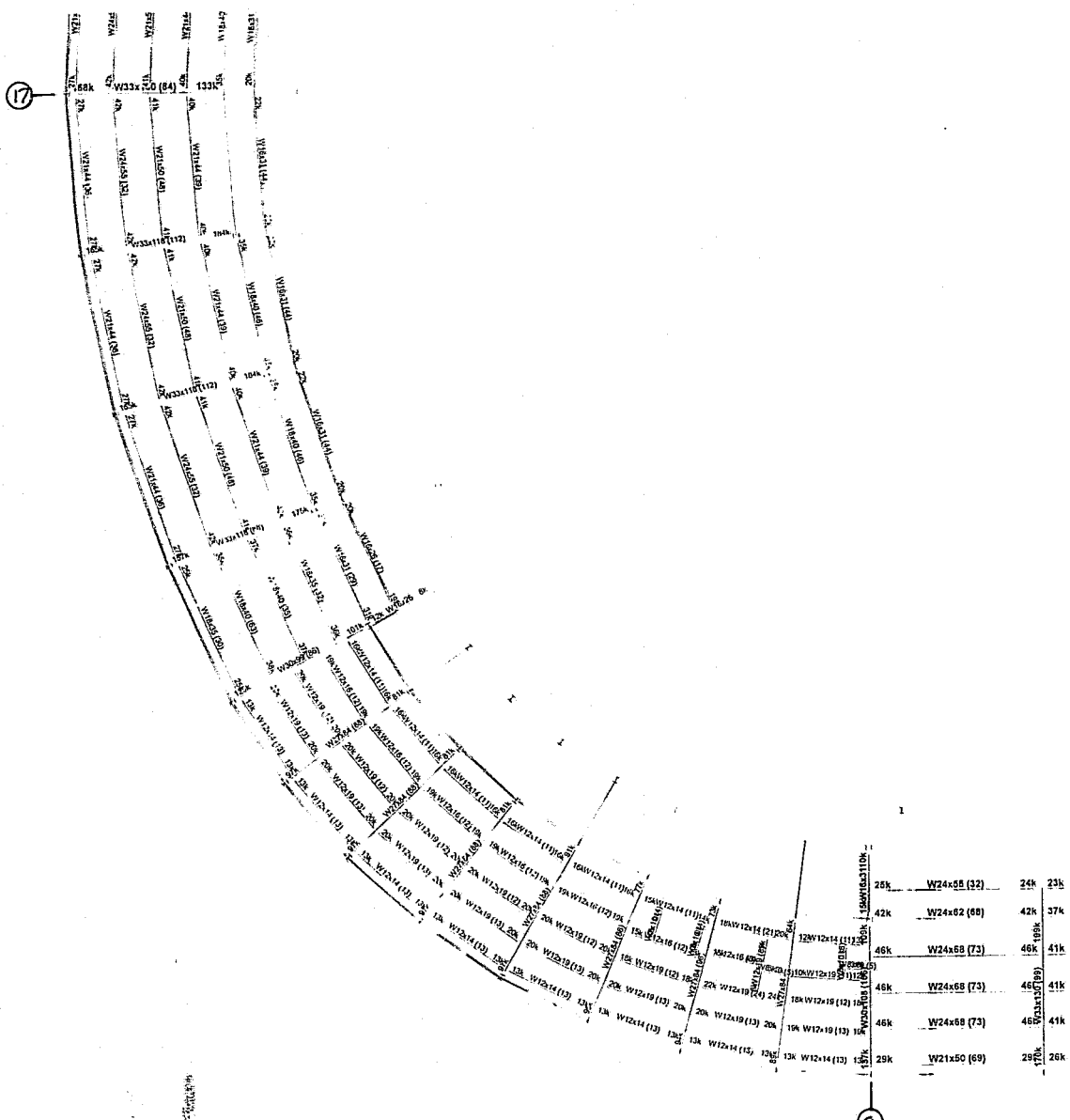
04/20/00 14:31:37

MAIN CONCOURSE LEVEL
SECTION 1: BEAM DESIGN & REACTIONS



RAM Steel V6.1 Floor Map
DataBase: ddgrvty
Building Code: UBC2
Floor Type: Concourse

04/20/00 14:31:37



MAIN CONCOURSE LEVEL
SECTION 2: BEAM DESIGNS
& REACTIONS

38

B9

MAIN CONCOURSE LEVEL

SECTION 3: BEAM DESIGN & REACTIONS

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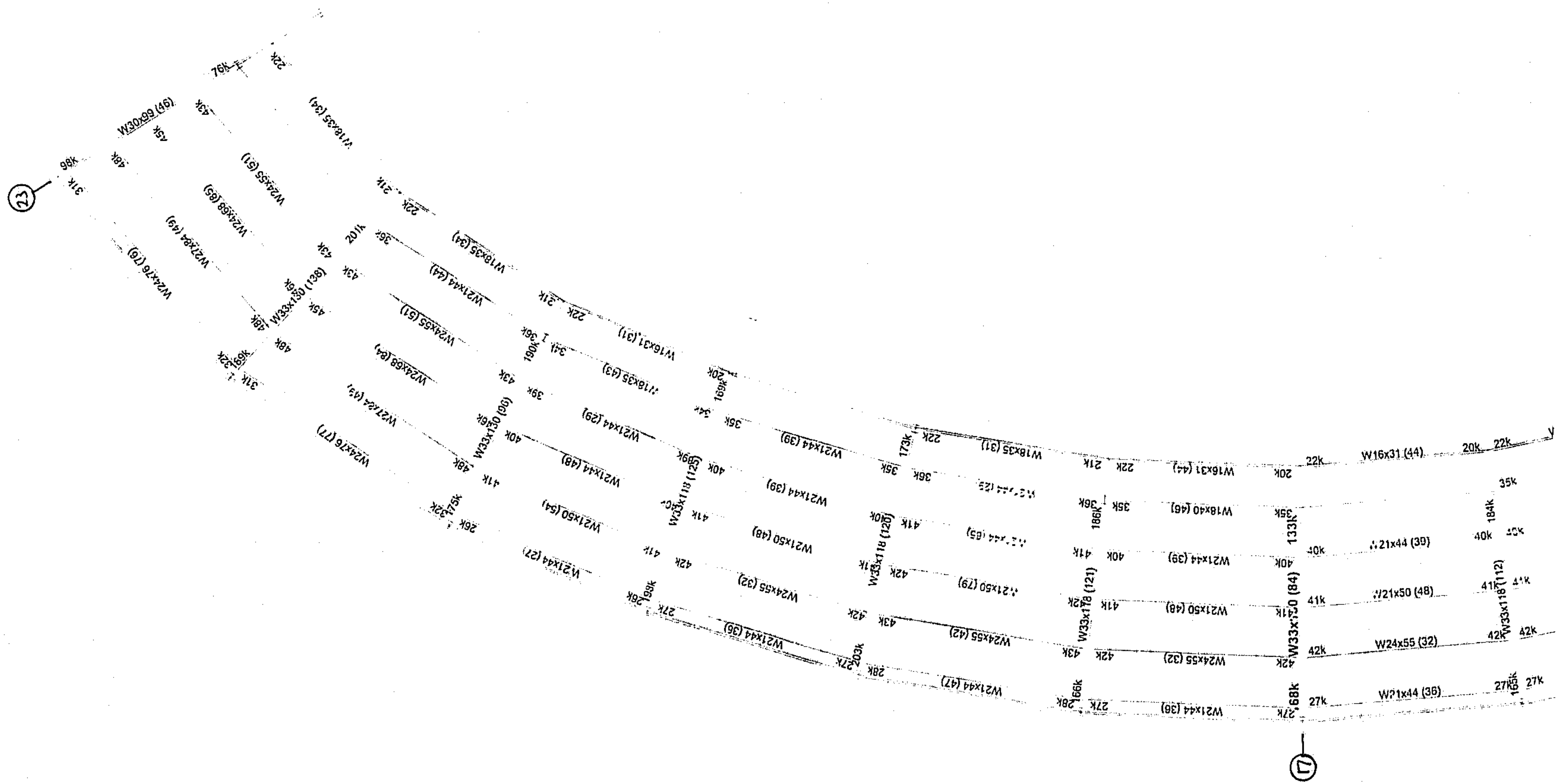
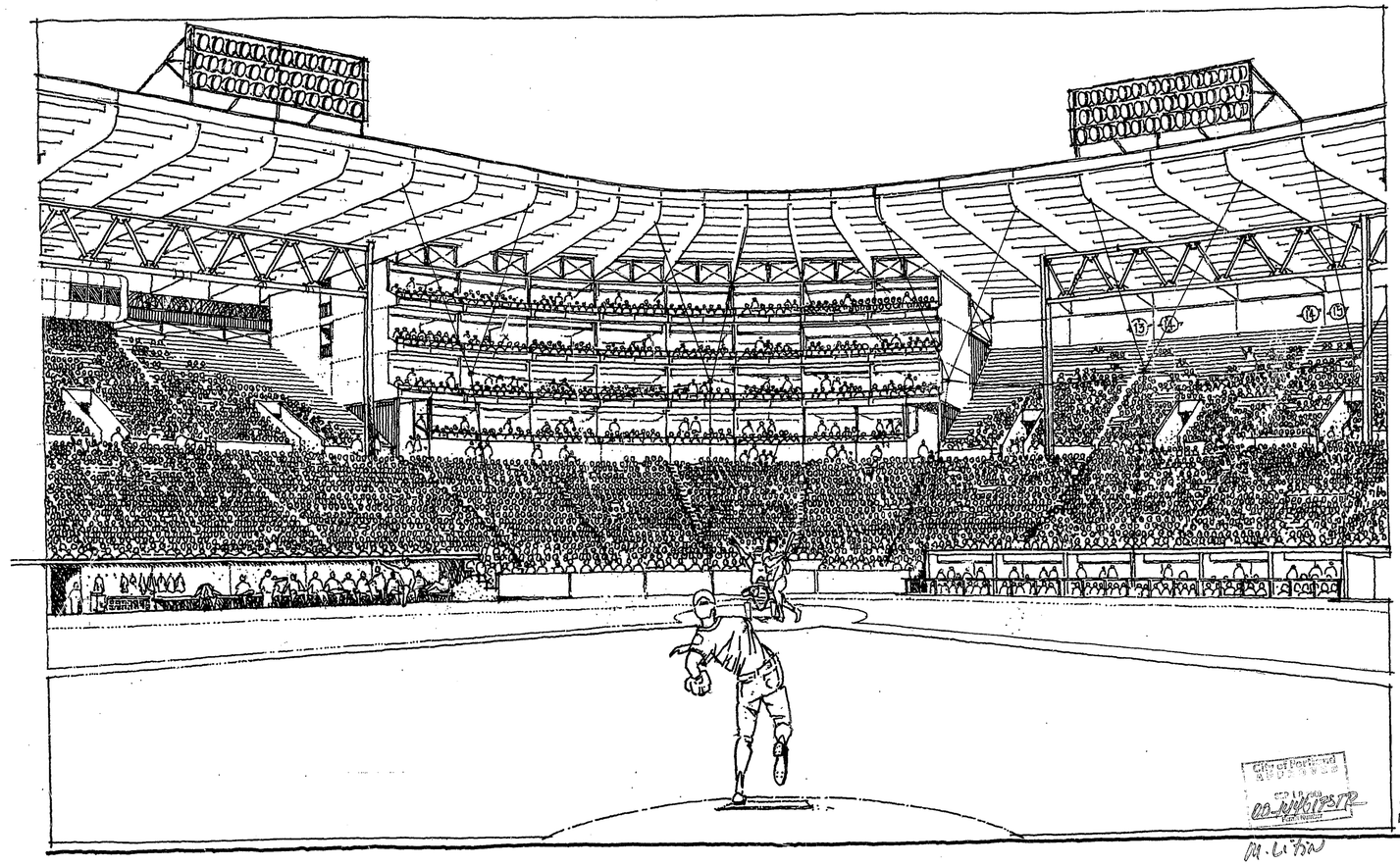


RAM Steel V6.1 Floor Map
DataBase: ddgrvty
Building Code: UBC2
Floor Type: Concourse

"Acme - Acme Stadium"
Portland Civic Stadium Renovation



EB Architects

Phase 1B - Seismic/Structural Upgrades

14 APRIL 2000
REVISED 23 JUNE 2000

#1
00-144617-STR
6/26/00
RECEIVED
JUN 26 2000
BUREAU OF BUILDING
DOCUMENT CONTROL
Complete Set
BR/D3
Co.00.144617 STR. & FILE
J. 1-3 & 5.
APR 4 2003
MICROFILMED

GENERAL

A001	COVER SHEET
A002	DRAWING INDEX
A002	OVERALL STREET LEVEL PLAN

CIVIL

C201	EROSION CONTROL PLAN
C402	WEST PLAZA DRAINAGE PLAN
C403	EAST PLAZA DRAINAGE PLAN

CONCURRENT OCCUPANCY PLANS

OEP001	OCCUPANCY SAFETY PLAN PROJECT PHASING & GENERAL NOTES
OEP101	OCCUPANCY SAFETY PLAN PORTLAND ROCKIES / FIELD CONCOURSE LEVEL
OEP102	OCCUPANCY SAFETY PLAN PORTLAND ROCKIES / MAIN CONCOURSE LEVEL
OEP103	OCCUPANCY SAFETY PLAN PORTLAND ROCKIES / SEATING BOWL PLAN
OEP104	OCCUPANCY SAFETY PLAN PORTLAND ROCKIES / EXIT SIGN LOCATIONS

EXIT STUDY PLANS

E901A	EXIT STUDY PSU FOOTBALL SEATING EXITING PLAN
E901B	EXIT STUDY CONCERT CONFIGURATION EXITING PLAN
EB-02	EXIT STUDY STADIUM CONCOURSE LEVEL EXITING PLAN
EB-03	EXIT STUDY STADIUM FIELD LEVEL EXITING PLAN

FLOOR PLANS

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A102	MAIN CONCOURSE LEVEL – 1/16" SCALE
A103	SUITE LEVELS 1 THRU 4 – 1/16" SCALE
A111	PSU FOOTBALL SEATING CONFIGURATION – 1/16" SCALE
A112	PSU DIV. 1A SEATING CONFIGURATION – 1/16" SCALE
A113	SOCCER SEATING CONFIGURATION – 1/16" SCALE
A114	CONCERT SEATING CONFIGURATION – 1/16" SCALE
A115	BASEBALL SEATING CONFIGURATION – 1/16" SCALE
A116	INTERNATIONAL SOCCER SEATING CONFIGURATION – 1/16" SCALE

EXTERIOR ELEVATIONS

A301	NORTH, EAST AND WEST EXTERIOR ELEVATIONS – 1/8" SCALE
A302	18TH AND MORRISON AND 20TH AND MORRISON PERSPECTIVES

BOWL AND WALL SECTIONS

A401	BOWL SECTIONS
A402	BOWL SECTIONS
A403	BOWL SECTIONS

ENLARGED PLANS

A708	PLAZA PLAN – 18TH AVENUE AND MORRISON
A709	PLAZA PLAN – 20TH AVENUE / 18TH AVENUE / BOARDWALK
A710	PLAZA PLAN – 20TH AVENUE & MORRISON – 1/8" SCALE

INTERIOR ELEVATIONS

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S101B	FOUNDATION AND FIELD LEVEL PLAN – AREA B
S101C	FOUNDATION AND FIELD LEVEL PLAN – AREA C
S101D	FOUNDATION AND FIELD LEVEL PLAN – AREA D
S101E	FOUNDATION AND FIELD LEVEL PLAN – AREA E
S102A	MAIN CONCOURSE/SUITE 1 LEVEL FRAMING PLAN – AREA A
S102B	MAIN CONCOURSE/SUITE 1 LEVEL FRAMING PLAN – AREA B
S102C	MAIN CONCOURSE/SUITE 1 LEVEL FRAMING PLAN – AREA C
S102D	MAIN CONCOURSE/SUITE 1 LEVEL FRAMING PLAN – AREA D
S102E	MAIN CONCOURSE/SUITE 1 LEVEL FRAMING PLAN – AREA E
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S105C	PRESS/SUITE 4 LEVEL FRAMING PLAN – AREA C
S105D	PRESS/SUITE 4 LEVEL FRAMING PLAN – AREA D
S105E	PRESS/SUITE 4 LEVEL FRAMING PLAN – AREA E
S106A	ROOF FRAMING PLAN – AREA A
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S107A	MAIN CONCOURSE/SUITE 1 LEVEL SLAB REINFORCING PLAN – AREA A
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S107C	MAIN CONCOURSE/SUITE 1 LEVEL SLAB REINFORCING PLAN – AREA C
S107D	MAIN CONCOURSE/SUITE 1 LEVEL SLAB REINFORCING PLAN – AREA D
S107E	MAIN CONCOURSE/SUITE 1 LEVEL SLAB REINFORCING PLAN – AREA E
S108C	CLUB/SUITE 2 LEVEL SLAB REINFORCING PLAN – AREA C
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S301	STADIUM SECTIONS
S302	STADIUM SECTIONS
S303	COLUMN/FOOTING DATA
S305	STADIUM SECTIONS
S601	TYP. DETAILS
S611	SECTIONS AND DETAILS
S612	SECTIONS AND DETAILS
S613	SECTIONS AND DETAILS
S614	SECTIONS AND DETAILS
S615	SECTIONS AND DETAILS
S616	SECTIONS AND DETAILS
S617	SECTIONS AND DETAILS
S618	SECTIONS AND DETAILS

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"ACME - ACME" STADIUM

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2420 S.W. Kelly Avenue
Portland, OR 97201
Telephone: 503.225.0455
Facsimile: 503.796.0005

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EB Architects
605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

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City of Portland APPROVED SEP 1 8 2000 Permit Required

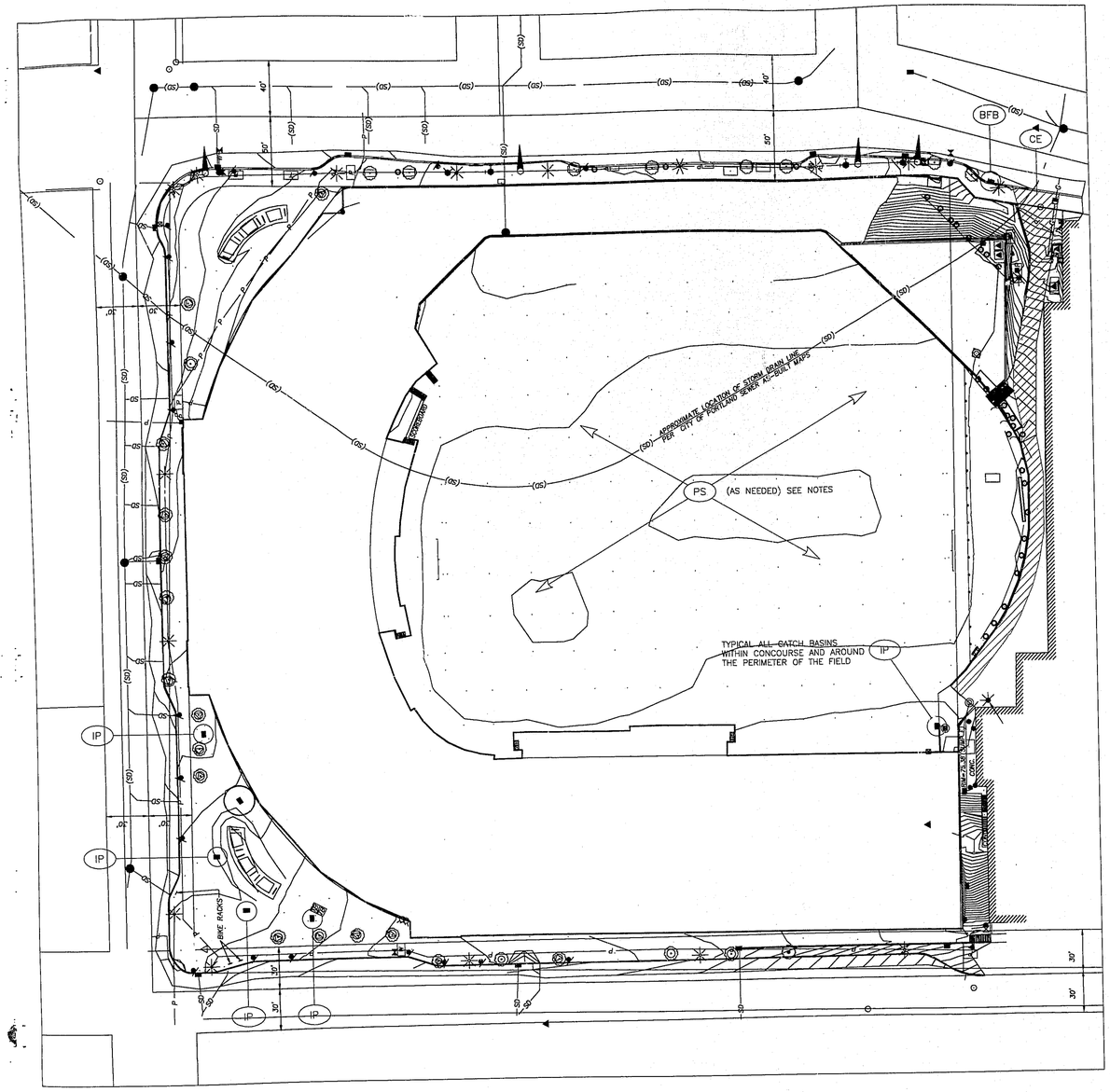
RECEIVED JUN 30 2003 BUREAU OF BUILDING DEVELOPMENT CENTER

DRAWING INDEX

Scale NO SCALE

Date 14 APRIL 2000 Comm. No.9980.0001.00
In Charge MC FOR INFORMATION ONLY
Drawn By EC
Checked By SD

A001



1 OVERALL SITE

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

0 8'16' 32' 64' 96'

LEGEND

- IP — TEMPORARY INLET PROTECTION
- CE — CONSTRUCTION ENTRANCE
- BFB — BIO-FILTER BAGS
- PS — PLASTIC SHEETING

STANDARD NOTES FOR EROSION CONTROL PLAN

A) APPROVAL OF THIS EROSION, SEDIMENT AND POLLUTION CONTROL PLAN (ESPCP) DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.)

B) THE IMPLEMENTATION OF THIS ESPCP AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESPCP FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.

C) THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.

D) THE ESPCP FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.

E) THE ESPCP FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESPCP FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.

F) THE ESPCP FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.

G) THE ESPCP FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 24 HOURS FOLLOWING A STORM EVENT.

H) STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

SPECIFIC NOTES:

CONSTRUCTION ENTRANCE

1. THE EXISTING ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY.
2. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO THE STORMWATER COLLECTION SYSTEM MUST BE REMOVED, OR CLEANED UP IMMEDIATELY. THE USE OF WATER TRUCKS TO REMOVE THIS MATERIAL WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES.

TEMPORARY INLET PROTECTION

1. AT NO TIME WILL MORE THAN 6-INCHES OF SEDIMENT BE ALLOWED TO ACCUMULATE AGAINST STORM DRAIN INLET PROTECTION BMPS. SEDIMENT MUST BE REMOVED AND INLET PROTECTION BMPS RESTORED AS NEEDED TO MAINTAIN THEIR SEDIMENT TRAPPING AND FILTERING CAPABILITY.

PARTIAL PROJECT SCHEDULE

TASK NAME	START	FINISH	PROCEDURE TYPE
PHASE 1			
DEMO CONCOURSE (PHASE 1)	06/22	07/26	DEBRIS REMOVAL
DEMO FIELD LEVEL COMM/LOCKER ROOMS	06/22	07/05	DEBRIS REMOVAL, INLET PROTECTION
FIELD LEVEL PILES/FOUNDATIONS	07/13	08/16	FOOTING EXCAVATION, CONSTRUCTION
PHASE 2			
DEMO CONCOURSE (PHASE 2)	09/04	10/06	DEBRIS REMOVAL, INLET PROTECTION
FIELD LEVEL PILES/FOUNDATIONS	09/25	10/27	FOOTING EXCAVATION, CONSTRUCTION
PHASE 3			
DEMO CMU FENCE @ 18TH AVE	07/27	08/09	DEBRIS REMOVAL
DEMO BLEACHERS & CMU WALL	08/17	09/06	DEBRIS REMOVAL
RETAINING WALL	09/07	11/29	FOOTING EXCAVATION, CONSTRUCTION
PLAYING FIELD & BULLPENS			
DEMOLITION AND EXCAVATION	12/11	12/22	DEBRIS REMOVAL, EXCAVATION
FILL & DRAINAGE	12/25	2/09	CONSTRUCTION, EXPOSED BARE EARTH
TOPSOIL & SOD	02/12	04/06	EXPOSED BARE EARTH
PLAZA AREAS			
18TH AVE DEMO & EXCAVATION	08/31	10/11	PLAZA DEBRIS REMOVAL & EXCAVATION, INLET PROTECTION
18TH AVE ARCH CONC PAVING	11/23	01/03	PLAZA CONSTRUCTION, INLET PROTECTION
20TH AVE DEMO & EXCAVATION	07/03	08/11	PLAZA DEBRIS REMOVAL & EXCAVATION, INLET PROTECTION
20TH AVE ARCH CONC PAVING	07/03	08/11	PLAZA CONSTRUCTION, INLET PROTECTION

PROCEDURES

DEBRIS REMOVAL

ALL DEBRIS REMOVED FROM THE PROPERTY WILL BE IN DRAPED (COVERED) TRUCKS AND THE DEBRIS WATERED DOWN AS NEEDED TO PREVENT DUST. TRUCKS WILL ENTER AND EXIT VIA THE EXISTING PAVED ACCESS ROAD TO SW 18TH AVENUE AS SHOWN ON THE PLAN. THE ACCESS ROAD SHALL BE MAINTAINED IN A CLEAN CONDITION, FREE OF ANY SOIL OR CONSTRUCTION MATERIALS.

INLET PROTECTION

PROTECT EXISTING CATCH BASINS BY INSTALLING FILTER FABRIC INLET PROTECTION AS SHOWN ON THE DETAIL. INLET DEVICES SHALL BE INSPECTED AFTER EVERY MAJOR RAINSTORM, DURING DRY WEATHER, DEVICES SHALL BE INSPECTED EVERY 2-3 WEEKS. ALL DEVICES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

FOOTING EXCAVATION

EXPOSED BARE EARTH WILL BE KEPT TO A MINIMUM. EXCAVATION IS TYPICALLY 3 TO 4 DAYS PRIOR TO POURING CONCRETE, DURING THIS TIME THE EXPOSED EXCAVATION WILL BE COVERED AS NEEDED.

CONSTRUCTION

AREAS WITHIN THE CONCOURSE ARE COVERED AND MINIMAL REQUIREMENTS FOR EROSION CONTROL WILL BE NEEDED. ALL CONSTRUCTION WILL FOLLOW STRICT PRACTICES TO PREVENT ANY MATERIAL FROM ENTERING THE DRAINAGE SYSTEM OR PUBLIC RIGHT-OF-WAY. FOLLOW SAME PROCEDURE FOR TRUCKS AS DEBRIS REMOVAL.

EXPOSED BARE EARTH

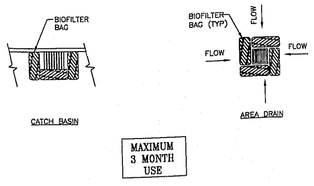
AREA WILL BE WATERED AS NEEDED TO REDUCE DUST AND COVERED AS NEEDED DURING ADVERSE RAINFALL. TRUCKS WILL BE HOSED OFF AS NECESSARY AT THE SOUTHWEST CORNER WITHIN THE PROJECT SITE PRIOR TO USING THE CONSTRUCTION ENTRANCE.

PLAZA DEBRIS REMOVAL AND EXCAVATION

TRUCKS WILL BE COVERED AND DEBRIS WATERED AS NEEDED TO PREVENT DUST. TRUCKS WILL NOT BE WASHED OFF WITHIN THE STREET. MOVEMENT OF MATERIALS FROM THE SITE TO TRUCKS WILL BE CONDUCTED IN A MANNER THAT REDUCES THE NEED FOR THE TRUCKS TO TRAVEL ON EXPOSED BARE EARTH.

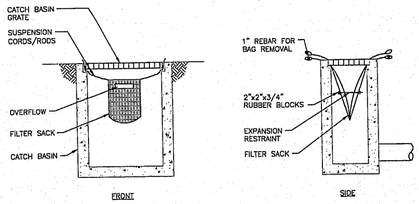
PLAZA CONSTRUCTION

ALL CONSTRUCTION WILL FOLLOW STRICT PRACTICES TO PREVENT ANY MATERIAL FROM ENTERING THE DRAINAGE SYSTEM OR PUBLIC RIGHT-OF-WAY. FOLLOW SAME PROCEDURE FOR TRUCKS AS PLAZA DEBRIS REMOVAL.



2 TEMPORARY INLET PROTECTION

SCALE: NONE



NOTE:
SIZE OF FILTER FABRIC INLET SACK TO BE DETERMINED BY MANUFACTURER.

3 FILTER FABRIC INLET PROTECTION

SCALE: NONE

"ACME - ACME" STADIUM

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Portland, OR 97201

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Telephone: 503.220.0495
Facsimile: 503.790.0983

City of Portland
APPROVED
SEP 18 2000
LAND USE REVIEW

REGISTERED PROFESSIONAL ENGINEER
5215
OREGON
JULY 10, 1981
ROBERT A. WRIGHT
RENEWAL 06/30/00

JUN 30 2000
ENVIRONMENTAL SERVICES
EROSION CONTROL

EB Architects
605 West 47th Street
Kansas City, MO 64112-1905
816.561.4463

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EROSION CONTROL PLAN

Scale AS NOTED

Date 14 APR 2000 Comm. No. 9890.0001.00
In Charge
Drawn By SRB
Checked By

PHASE 1B
SEISMIC/STRUCT. UPGRADES

C201

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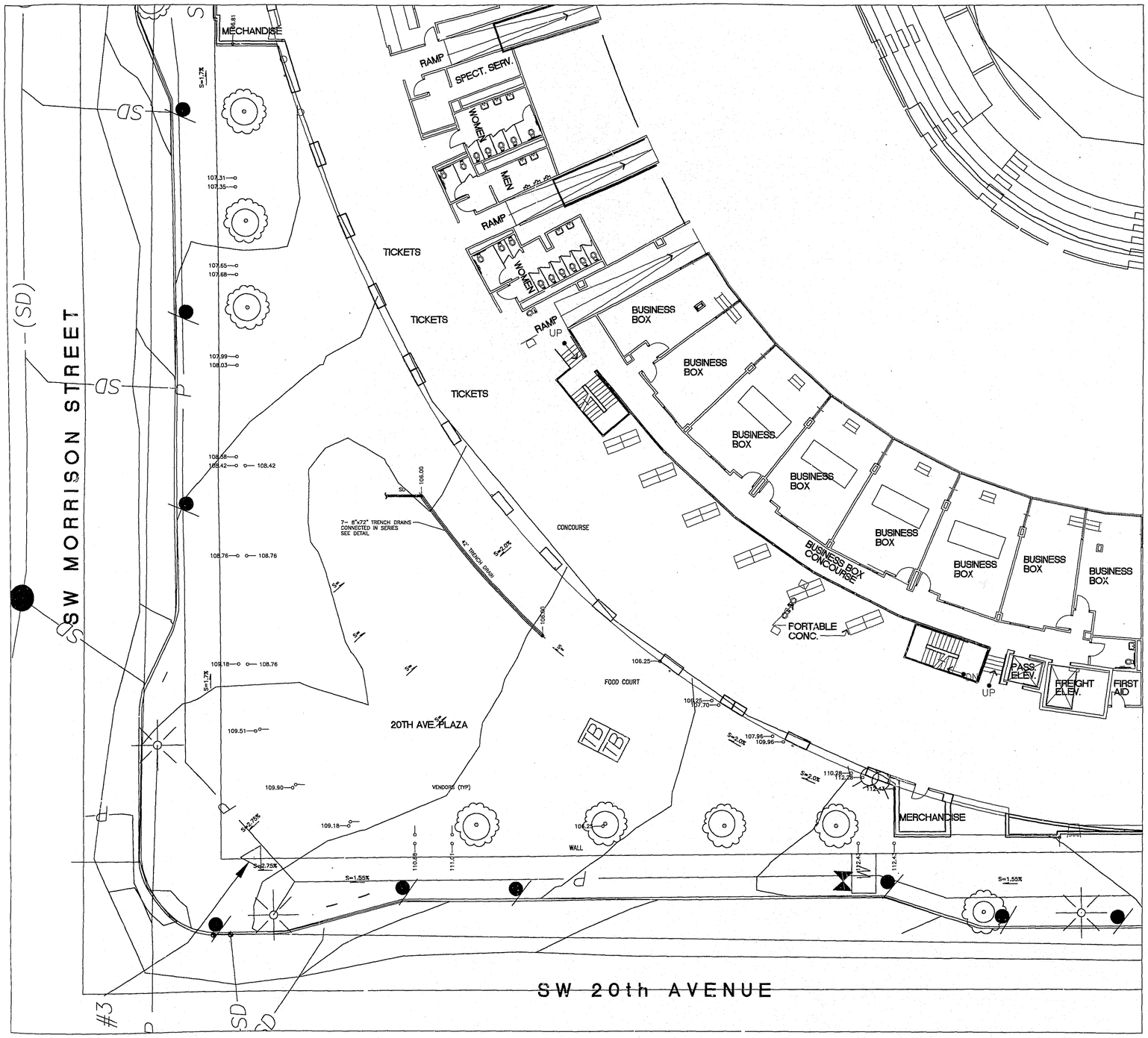

1 PARTIAL PLAN
SCALE: 1/8" = 1'-0"

LEGEND

NOTES

A) ——

B)

C)

D)

E)

F)

G)

H)

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.943.5100
Facsimile: 503.944.5110

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.7600
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These Design Development drawings represent the current status of the design process and have been issued for information only. They do not illustrate the complete and total design or scope of work required for construction of the project and are not, under any circumstances, intended to be used by the Contractor or any other person for construction, for preparation of shop drawings or other submittals, or for bidding or awarding subcontracts.

EB Architects
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City of Portland APPROVED SEP 18 2000 Permit Number

REGISTERED PROFESSIONAL ENGINEER 5215 OREGON JULY 10, 1981 ROBERT A. WRIGHT RENEWAL 06/30/00

RECEIVED JUN 23 2000 BUREAU OF BUILDING PLANS & CODE CONTROL

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WEST PLAZA DRAINAGE PLAN
Scale 1/8"=1'-0"

Date 14 APRIL 2000 Comm. No.9800.0001.00
In Charge
Drawn By SRB
Checked By

FOR INFORMATION ONLY SEISMIC/STRUCT. UPGRADES

C402

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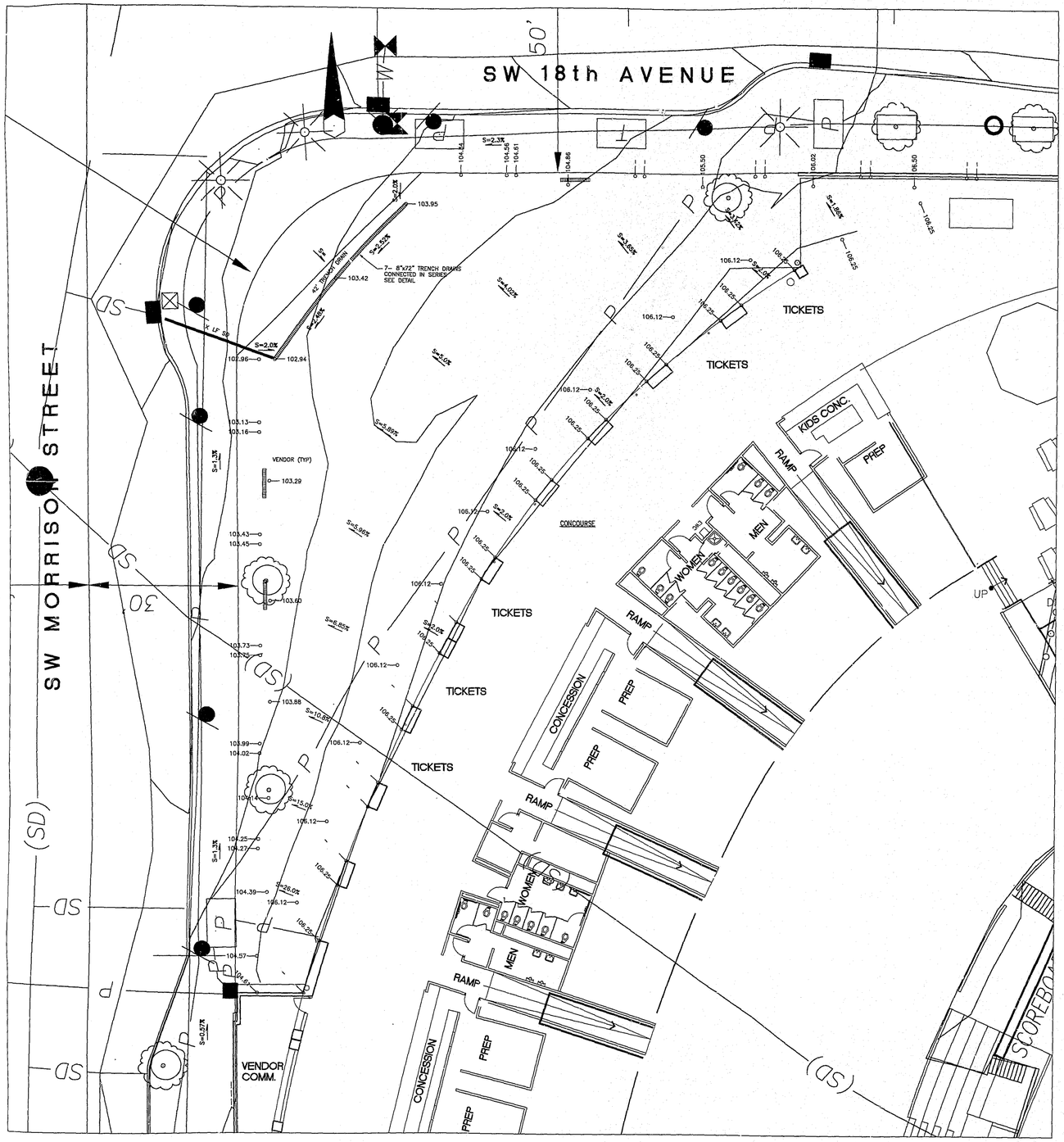

1 PARTIAL PLAN
SCALE: 1/8" = 1'-0"

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"ACME - ACME" STADIUM

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City of Portland
APPROVED
SEP 18 2000
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REGISTERED PROFESSIONAL ENGINEER
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OREGON
JULY 15, 1988
ROBERT A. WRIGHT
RENEWAL 06/30/00

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816 561 4443

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EAST PLAZA DRAINAGE PLAN

Scale 1/8"=1'-0"

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GENERAL NOTES
THE FOLLOWING NARRATIVE ACCOMPANIES THE DOCUMENTS PREPARED BY EB ARCHITECTS FOR THE CIVIC STADIUM RENOVATION PROJECT. THE PRESENT TIME-LINE IS BASED UPON A 6/22/00 CONSTRUCTION START DATE. THE OCCUPANCY PLAN ACCOMODATES CIVIC AND ROCKIES BASEBALL DURING CONSTRUCTION. THE PROJECT IS DIVIDED INTO TWO DISTINCT PHASES OF WORK, PHASE I CORRESPONDS TO THE ROCKIES BASEBALL SEASON, WHICH WILL BE THE ONLY PERIOD THAT THE FACILITY IS OCCUPIED BY THE PUBLIC. THE SECOND PHASE OF THE PROJECT FOLLOWS THE ROCKIES BASEBALL SEASON, WHICH COMPLETES ON 6/22/00, AND CONCLUDES WITH THE COMPLETION OF THE PROJECT. THERE WILL BE NO PUBLIC OCCUPANCY DURING PHASE II.

LIFE SAFETY NOTES
DURING THE COURSE OF CONSTRUCTION AND WHILE THE BUILDING IS OCCUPIED BY THE PUBLIC, ALL PRESENT FIRE AND LIFE SAFETY FEATURES WILL REMAIN IN OPERATION IN AREAS OCCUPIED BY THE PUBLIC. THIS WILL INCLUDE THE EXISTING FIRE SPRINKLER SYSTEM, WHICH MIGHT REQUIRE A TEMPORARY MAIN FEEDER TO SUPPLEMENT THE PRESENT FEEDER THAT IS PRESENTLY PLANNED FOR EARLY DEMOLITION. THE TYING OF THE NEW FEEDER INSTALLATION WILL BE DONE SO THAT AT NO POINT IN TIME WILL THE PUBLICLY OCCUPIED STADIUM BE WITHOUT A FIRE PROTECTION SYSTEM. THE PRESENT FIRE ALARM SYSTEM WILL BE OPERATIONAL AND THE FIRE ALARM PANEL TO AN AREA WITHIN THE STADIUM BEYOND THE CONSTRUCTION ZONE. LIGHTING WILL REMAIN IN PLACE IN PUBLIC AREAS AND THE EXISTING EMERGENCY GENERATOR WILL CONTINUE TO SUPPLY EMERGENCY POWER TO LIGHTING, THE FIRE ALARM SYSTEM, AND TO THE PUBLIC ADDRESS SYSTEM. TEMPORARY EXIT SIGNS WILL BE ADDED TO SUPPLEMENT EXISTING SIGNS IN THOSE AREAS OCCUPIED BY THE PUBLIC. THE PUBLIC WILL BE PREVENTED FROM ENTERING THE CONSTRUCTION ZONES THROUGH THE USE OF CONSTRUCTION BARRICADES THAT WILL CONSIST OF 8' HIGH CHAIN LINK FENCING AND/OR 8' HIGH PLYWOOD FENCING.

PLAN NOTES
THE OSP ADDRESSES THE TIME FRAME IN WHICH THE PORTLAND ROCKIES WILL OCCUPY THE FACILITIES CONCURRENTLY WITH THE STADIUM RENOVATION PROCESS. THIS TIME FRAME IS FROM 6/22/00 TO 8/31/00. AFTER 8/31/00 THERE WILL BE NO PUBLIC ACTIVITIES OR OCCUPANCY OF THE FACILITY UNTIL THE SUBSTANTIAL COMPLETION, WHICH IS SLATED FOR XMAS, 2000.
THE OSP PLAN IS BASED UPON THE FACT THAT ALL AREAS THAT ARE DEFINED AS CONSTRUCTION ZONES ARE FENCED AND SPECIFICALLY CLOSED TO ALL NON-CONSTRUCTION PERSONNEL. AT NIGHTFALL, CONSTRUCTION ACTIVITIES WILL NOT OCCUR DURING EVENTS OR WHEN THE PUBLIC HAS ENTERED THE FACILITY. ALL ROCKY WEEKDAY GAMES ARE PLAYED AT NIGHT IN WHICH THE PUBLIC ENTERS THE FACILITY AT 5:30 PM, AND CONSTRUCTION ACTIVITIES CEASE BY 5:30PM.
THERE ARE TWO WEEKDAY GAMES SCHEDULED DURING THE 2000 BASEBALL SEASON, JULY 18TH AND AUGUST 16TH. THERE WILL BE NO CONSTRUCTION ACTIVITY TAKING PLACE ON THESE DAYS.

OSP 09
OCCUPANCY
AREAS OUTSIDE DESIGNATED CONSTRUCTION ZONES WILL BE OCCUPIED AT VARIOUS TIMES BY STADIUM OPERATIONS PERSONNEL, BUILDING STAFF AND STAFF MEMBERS WILL ARRIVE AT STADIUM FOR WEEKDAY NIGHT GAMES AT 3:30 PM. THE LOCKER ROOMS BETWEEN GRIDLINES "A" TO "B" AND FROM "1.5" TO "8.5" WILL BE UTILIZED BY THE TEAMS. ACCESS TO THE LOCKER ROOMS WILL BE AFFORDED VIA THE PLAYING FIELD AT GRIDLINE "-8 4.5".

FIRE LIFE SAFETY
1. THE EXISTING FIRE ALARM SYSTEM IN THE NON-CONSTRUCTION AREAS WILL BE FULLY OPERATIONAL DURING ALL PUBLIC EVENTS. THE EXISTING FIRE ALARM PANEL IS PRESENTLY LOCATED IN AN AREA SCHEDULED FOR DEMOLITION AND WILL BE TEMPORARILY RELOCATED TO THE IDENTIFIED ROOM ON THE MAIN CONCOURSE AT GRIDLINE "J.5". THE ROOM WILL BE CLEARLY IDENTIFIED AT THE SITE AND WILL BE CONTINUOUSLY MONITORED DURING ALL PUBLIC EVENTS.
2. THE EXISTING FIRE PROTECTION SPRINKLER SYSTEM WILL REMAIN ACTIVE IN ALL NON-CONSTRUCTION AREAS. ALL EXISTING MONITORING DEVICES WILL BE MAINTAINED AND MONITORED.

CONSTRUCTION SEQUENCING 05/22/00 - 8/31/00
I MAIN LEVEL CONCOURSE
A. CONSTRUCTION FENCING IS PLACED AS INDICATED ON DOCUMENTS. THE FENCING WILL BE 8' HIGH CHAIN LINK FENCING WITH BOTH VEHICULAR AND MANGATES. THE FENCING AND ALL GATES WILL BE POSTED WITH "CONSTRUCTION EMPLOYEES ONLY" AND "HARD HAT AREA" SIGNS. GATES WILL BE MONITORED DURING CONSTRUCTION HOURS AND LOCKED DURING NON-CONSTRUCTION HOURS.
B. PERMANENT SHORING WILL BE PLACED AT GRIDLINE "C" FROM GRIDLINES "-1" TO "5" BETWEEN GRIDLINES "-1" TO "3". THE DRILL RIG FOR THIS SHORING WILL BE LOCATED ON THE FIELD LEVEL WITHIN THE CONFINES OF THE CONSTRUCTION FENCING.
C. FIELD LEVEL PINPILE INSTALLATION WILL START AT GRIDLINE "1.5" AND PROGRESS TOWARDS GRIDLINE "A". THE DRILL RIG FOR THIS OPERATION WILL BE PLACED ON THE FIELD LEVEL WITHIN THE CONFINES OF THE CONSTRUCTION FENCING.

II LEFT FIELD WALL 05/30/00 - 8/30/00
a) CONSTRUCTION FENCING IS PLACED AS INDICATED ON DOCUMENTS. THE FENCING WILL BE 8 HIGH CHAIN LINK FENCING WITH BOTH VEHICULAR AND MANGATES. THE EXISTING LEFT FIELD WALL WILL REMAIN IN PLACE AND SERVE AS A CONSTRUCTION BARRIER. THE FENCING AND ALL GATES WILL BE POSTED WITH "CONSTRUCTION EMPLOYEES ONLY" AND "HARD HAT AREA" SIGNS. GATES WILL BE MONITORED DURING CONSTRUCTION HOURS AND LOCKED DURING NON-CONSTRUCTION HOURS.
b) NO OTHER WORK AT FIELD LEVEL IS SCHEDULED DURING THIS TIMEFRAME.

OSP 10A
OCCUPANCY
AREAS OUTSIDE DESIGNATED CONSTRUCTION ZONES WILL BE OCCUPIED AT VARIOUS TIMES BY STADIUM OPERATIONS PERSONNEL. THE PUBLIC WILL START ENTERING THE FACILITY FOR WEEKDAY NIGHT BALL GAMES @ 5:30 PM VIA THE EXISTING 18TH AVE. / MORRISON PLAZA. THE EXISTING CONCOURSE, RESTROOMS, AND CONCESSIONS WILL BE AVAILABLE FROM GRIDLINES "15" TO "23". SEATING WILL BE AVAILABLE AS INDICATED.

FIRE LIFE SAFETY
1. THE EXISTING FIRE ALARM SYSTEM IN THE NON-CONSTRUCTION AREAS WILL BE FULLY OPERATIONAL DURING ALL PUBLIC EVENTS. THE EXISTING FIRE ALARM PANEL IS PRESENTLY LOCATED IN AN AREA SCHEDULED FOR DEMOLITION AND WILL BE TEMPORARILY RELOCATED TO THE IDENTIFIED ROOM ON THE MAIN CONCOURSE AT GRIDLINE "15". THE ROOM WILL BE CLEARLY IDENTIFIED AT THE SITE AND WILL BE CONTINUOUSLY MONITORED DURING ALL PUBLIC EVENTS.
2. THE EXISTING FIRE PROTECTION SPRINKLER SYSTEM WILL REMAIN ACTIVE IN ALL NON-CONSTRUCTION AREAS. ALL EXISTING MONITORING DEVICES WILL BE MAINTAINED AND MONITORED.

CONSTRUCTION SEQUENCING 05/22/00 - 8/31/00
I MAIN LEVEL CONCOURSE
A. CONSTRUCTION FENCING IS PLACED AS INDICATED ON DOCUMENTS. THE FENCING WILL BE 8' HIGH CHAIN LINK FENCING WITH BOTH VEHICULAR AND MANGATES. THE FENCING AND ALL GATES WILL BE POSTED WITH "CONSTRUCTION EMPLOYEES ONLY" AND "HARD HAT AREA" SIGNS. GATES WILL BE MONITORED DURING CONSTRUCTION HOURS AND LOCKED DURING NON-CONSTRUCTION HOURS.
B. THE EXISTING BUILDINGS LOCATED ON THE CONCOURSE FROM GRIDLINES "-1" TO 13.5" BETWEEN "A" TO "J" WILL BE DEMOLISHED. DEMOLITION EQUIPMENT WILL BE POSITIONED ON THE MAIN CONCOURSE AND START AND PROGRESS FROM GRIDLINE "-1" TOWARDS "13.5". ALL CONSTRUCTION DEBRIS WILL BE LOADED UNTO TRUCKS AT THE PLAZA.
C. DEMOLITION WILL PROGRESS FROM GRIDLINE "1" NORTH TOWARDS "9". DEMOLITION EQUIPMENT WILL BE POSITIONED ON THE CONCOURSE AND WILL "DROP" THE DEMOLISHED CONCOURSE ONTO THE EXISTING DIRT SLOPE BELOW. THE DEMOLITION DEBRIS WILL BE LOADED UNTO TRUCKS AT FIELD LEVEL AND WILL USE THE EXISTING SERVICE ROAD FOR ACCESS INTO AND OUT OF THE SITE.
D. PERMANENT BRACING TO THE EXISTING COLUMNS AT GRIDLINE "A" WILL BE INSTALLED FROM GRIDLINES "A" TO "1", AT 14'-6" A.F.F. AS TO BE
E. THE UPPER SEATING BOWL FROM GRIDLINES "A" TO "13" FROM "A" TO "J" ARE TO BE DEMOLISHED. EXPANSION JOINTS EXIST AT BOTH GRIDLINES "A" AND "J" AND SHALL CREATE "NATURAL BREAK" LINES BETWEEN AREAS TO BE DEMOLISHED AND AREAS TO REMAIN.
F. THE EXISTING MAIN CONCOURSE WILL BE DEMOLISHED FROM GRIDLINES "J" TO "13". THE DEMOLITION WILL PROGRESS FROM GRIDLINE "J" NORTH TOWARDS "13". DEMOLITION EQUIPMENT WILL BE POSITIONED ON THE CONCOURSE AND WILL "DROP" THE DEMOLISHED CONCOURSE UNTO THE EXISTING DIRT SLOPE BELOW. THE DEMOLITION DEBRIS WILL BE LOADED UNTO TRUCKS AT FIELD LEVEL AND WILL USE THE EXISTING SERVICE ROAD FOR ACCESS INTO AND OUT OF THE SITE.

II LEFT FIELD WALL 05/30/00 - 8/30/00
a) CONSTRUCTION FENCING IS PLACED AS INDICATED ON DOCUMENTS. THE FENCING WILL BE 8 HIGH CHAIN LINK FENCING WITH BOTH VEHICULAR AND MANGATES. THE EXISTING LEFT FIELD WALL WILL REMAIN IN PLACE AND SERVE AS A CONSTRUCTION BARRIER. THE FENCING AND ALL GATES WILL BE POSTED WITH "CONSTRUCTION EMPLOYEES ONLY" AND "HARD HAT AREA" SIGNS. GATES WILL BE MONITORED DURING CONSTRUCTION HOURS AND LOCKED DURING NON-CONSTRUCTION HOURS.
b) THE EXISTING 8' HIGH CMU WALL PARALLEL TO 18TH AVE. WITHIN THE CONFINES OF THE CONSTRUCTION FENCE WILL BE DEMOLISHED.

OSP 10B
OCCUPANCY
AREAS OUTSIDE DESIGNATED CONSTRUCTION ZONES WILL BE OCCUPIED AT VARIOUS TIMES BY STADIUM OPERATIONS PERSONNEL. THE PUBLIC WILL START ENTERING THE FACILITY FOR WEEKDAY NIGHT BALL GAMES @ 5:30 PM VIA THE EXISTING 18TH AVE. / MORRISON PLAZA. THE EXISTING CONCOURSE, RESTROOMS, AND CONCESSIONS WILL BE AVAILABLE FROM GRIDLINES "15" TO "23". SEATING WILL BE AVAILABLE AS INDICATED.

FIRE LIFE SAFETY
1. THE EXISTING FIRE ALARM SYSTEM IN THE NON-CONSTRUCTION AREAS WILL BE FULLY OPERATIONAL DURING ALL PUBLIC EVENTS. THE EXISTING FIRE ALARM PANEL IS PRESENTLY LOCATED IN AN AREA SCHEDULED FOR DEMOLITION AND WILL BE TEMPORARILY RELOCATED TO THE IDENTIFIED ROOM ON THE MAIN CONCOURSE AT GRIDLINE "15". THE ROOM WILL BE CLEARLY IDENTIFIED AT THE SITE AND WILL BE CONTINUOUSLY MONITORED DURING ALL PUBLIC EVENTS.
2. THE EXISTING FIRE PROTECTION SPRINKLER SYSTEM WILL REMAIN ACTIVE IN ALL NON-CONSTRUCTION AREAS. ALL EXISTING MONITORING DEVICES WILL BE MAINTAINED AND MONITORED.

CONSTRUCTION SEQUENCING 05/22/00 - 8/31/00
I SEATING BOWL
A. TEMPORARY STEEL STAIRS ARE TO BE PLACED AS INDICATED TO ENABLE EGRESS FROM THE LOWER BOWL ONTO THE FIELD LEVEL.
B. TEMPORARY TOILETS WILL BE PLACED ON THE FIELD LEVEL AS INDICATED.
C. CONSTRUCTION FENCING IS PLACED AS INDICATED ON DOCUMENTS. THE FENCING WILL BE 8' HIGH CHAIN LINK FENCING WITH BOTH VEHICULAR AND MANGATES. THE FENCING AND ALL GATES WILL BE POSTED WITH "CONSTRUCTION EMPLOYEES ONLY" AND "HARD HAT AREA" SIGNS. GATES WILL BE MONITORED DURING CONSTRUCTION HOURS AND LOCKED DURING NON-CONSTRUCTION HOURS.
D. PERMANENT COLUMN AND FOOTING SHORING IS INSTALLED AT GRIDLINE "J.5" "2.5" TO PERMANENTLY SUPPORT PARTIALLY REMOVED RAKER AT GRIDLINE "1.5". UPON COMPLETION OF FOOTING AND NEW COLUMN THE LOWER PORTION OF THE EXISTING RAKER AND CONCRETE SEATING BOWL CAN BE DEMOLISHED.

OSP 10A
OCCUPANCY
AREAS OUTSIDE DESIGNATED CONSTRUCTION ZONES WILL BE OCCUPIED AT VARIOUS TIMES BY STADIUM OPERATIONS PERSONNEL. THE PUBLIC WILL START ENTERING THE FACILITY FOR WEEKDAY NIGHT BALL GAMES @ 5:30 PM VIA THE EXISTING 18TH AVE. / MORRISON PLAZA. THE EXISTING CONCOURSE, RESTROOMS, AND CONCESSIONS WILL BE AVAILABLE FROM GRIDLINES "15" TO "23". SEATING WILL BE AVAILABLE AS INDICATED.

FIRE LIFE SAFETY
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CONSTRUCTION SEQUENCING 05/22/00 - 8/31/00
I SEATING BOWL
A. EXIT SIGNS TO BE INSTALLED AS INDICATED.

TURNER CONSTRUCTION COMPANY
Revised OSP
May 8, 2000

SIGNED: _____

DATE: _____

City of Portland
APPROVED
SEP 18 2000
PERMITS

"ACME - ACME" STADIUM

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OCCUPANCY SAFETY PLAN
PROJECT PHASING & GENERAL NOTES
Scale 1/32"=1'-0"

Date: 8 MAY 2000 Comm. No. 6960.0001.00
In Charge MC
Drawn by EW
Checked By EW

PHASE 1A

OSP 001

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APR 4 2003
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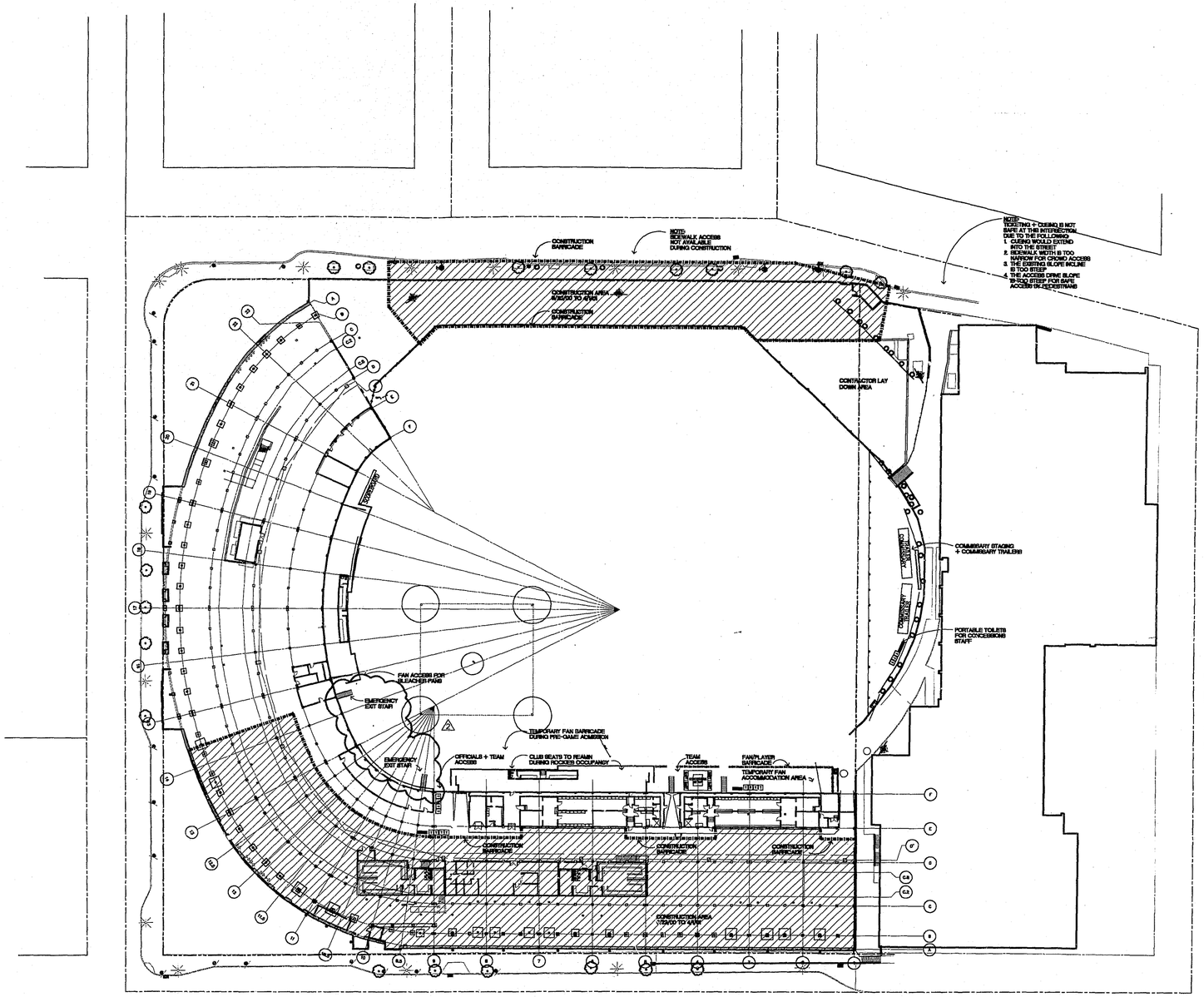

CODE REMARKS

REQUIRED NUMBER OF PLUMBING FIXTURES	
WATER CLOSETS	
MEN	52
WOMEN	53
TOTAL	85
LAVATORIES	
MEN	13
WOMEN	13
TOTAL	26
PLUMBING FIXTURES PROVIDED	
WATER CLOSETS	
MEN	33
WOMEN	85
TOTAL	85
LAVATORIES	
MEN	8
WOMEN	30
TOTAL	30
WHEELCHAIR POSITIONS REQUIRED	
WHEELCHAIR POSITIONS COMPANION SEATS	120
	120
WHEELCHAIR POSITIONS PROVIDED	
WHEELCHAIR POSITIONS COMPANION SEATS	42
	42

NOTES:
1. TOILET COUNTS FOR MEN URINALS IN THE TOTAL APPROXIMATE COUNT.
2. THE EXISTING REST ROOMS FOR MEN AND WOMEN ARE CONCENTRATED ALONG THE MORRISON STREET SIDE OF THE STADIUM.
3. THE TOILET AND LAVATORY REQUIREMENTS ARE BASED ON THE CODE MINIMUM 5'OR 40% MALE/FEMALE DISTRIBUTIONS.

LEGEND

TURNSTILE W/ ATTENDENT	KLDI
PORTABLE TOILET	T
MAIN STAND	
CONCESSION CART OR STAND	CART
ENTRY DIRECTION W/ APPROX LOAD	1800
EMERGENCY EXIT W/ APPROX LOAD	400
EMERGENCY AREA OF REFUGE	
FAN BARRICADE	
CONSTRUCTION BARRICADE	
VEHICLE OR TEMP. BARRICADE	
RAMP LOCKING DOWN	

FIRE AND LIFE SAFETY NOTES:
1. THE PLAYER, STAFF, AND OPERATIONS PERSONNEL EXIT PATHS ARE THE SAME AS THE SPECTATOR EXIT PATHS.
2. TEMPORARY STEEL STAIRS WILL BE PLACED BY THE CONTRACTOR AS INDICATED FROM THE BOWL TO THE FIELD LEVEL FOR EXITING FROM THE SEATING BOWL ONTO THE FIELD.
3. CONSTRUCTION FENCING WILL BE PLACED AS INDICATED. THE TYPE AND CONSTRUCTION SHALL MEET THE PERFORMANCE CRITERIA AS SPECIFIED IN THE PROJECT MANUAL.
4. TEMPORARY TOILETS AND WASH STATIONS SHALL BE PLACED AS INDICATED.
5. THE CONTRACTOR SHALL MAINTAIN THE EXISTING FIRE ALARM AND EMERGENCY LIGHTING SYSTEMS IN OPERATION DURING ALL TIME FRAMES WHEN OCCUPIED BY THE PUBLIC.
6. TBD CONTRACTOR SHALL MAINTAIN THE EXISTING FIRE SUPPRESSION SYSTEM IN ACTIVE CONDITION IN ALL NON-CONSTRUCTION AREAS.
7. THE EXISTING FIRE ALARM PANEL IS PRESENTLY LOCATED IN AN AREA WHERE IN SOLELY FOR DEMOLITION, THE CONTRACTOR TEMPORARILY RELOCATE THE PANEL TO A LOCATION ON THE MAIN CONCOURSE, AND SHALL CLEARLY MARK THE ROOM.
8. THE CONSTRUCTION SHALL MONITOR THE FIRE ALARM SYSTEM DURING ALL PUBLIC EVENTS, AND SHALL MAINTAIN AND MONITOR ALL DEVICES.
9. THE CONTRACTOR SHALL INSTALL TEMPORARY EXIT SIGNS AS INDICATED, AND MAINTAIN ALL EXIT SIGNS DURING THE CONSTRUCTION PERIOD.

1 FIELD CONCOURSE LEVEL ROCKIES EXIT PLAN
1/32"=1'-0"
W:\DOGS\ARCH\PLOTSHT\ROCK--01.DWG

1	PRESS/PREFUNCTION ACCESS	7/13/00
2	FRONT ROW CROSS AISLE	8/3/00

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.944.9700
Facsimile: 503.. .9710

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City of Portland
SEP 18 2000

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OCCUPANCY SAFETY PLAN
PORTLAND ROCKIES/
FIELD CONCOURSE LEVEL
Scale 1/32"=1'-0"

Date 13 JULY 2000 Comm. No. 9899.0001.00
In Charge MC
Drawn By EW
Checked By EW
PHASE 2
MAIN PERMIT PACKAGE
OSP 101

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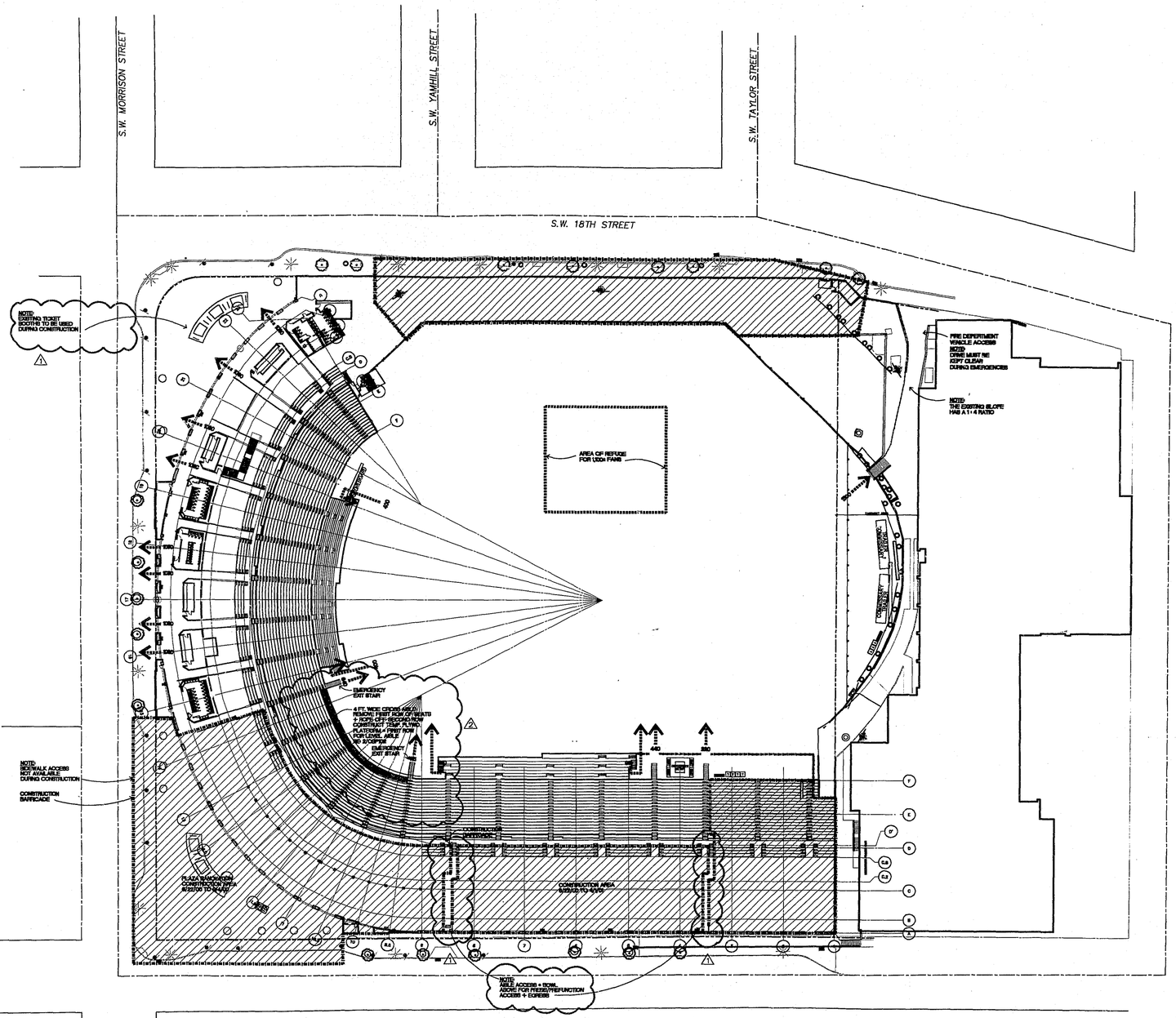
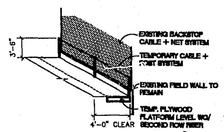
T. J. Zaru 1.3.45.



CODE REMARKS	
REQUIRED NUMBER OF PLUMBING FIXTURES	
WATER CLOSETS MEN	82
WOMEN	82
TOTAL	85
LAVATORIES MEN	113
WOMEN	113
TOTAL	85
PLUMBING FIXTURES PROVIDED	
WATER CLOSETS MEN	85
WOMEN	85
TOTAL	85
LAVATORIES MEN	56
WOMEN	56
TOTAL	56
WHEELCHAIR POSITIONS REQUIRED	
WHEELCHAIR POSITIONS	120
COMPANION SEATS	120
WHEELCHAIR POSITIONS PROVIDED	
WHEELCHAIR POSITIONS	42
COMPANION SEATS	42

NOTES:
1. TOILET COUNTS FOR MEN URINALS IN THE TOTAL APPROXIMATE COUNT.
2. THE EXISTING REST ROOMS FOR MEN AND WOMEN ARE CONCENTRATED ALONG THE MORRISON STREET SIDE OF THE STADIUM.
3. THE TOILET AND LAVATORY REQUIREMENTS ARE BASED ON THE CODE MINIMUM (FOR 822 MALE/FEMALE DISTRIBUTION).

LEGEND	
TURNSTILE W/ ATTENDENT	KUDI
PORTABLE TOILET	T
WASH STAND	
CONCESSION CART OR STAND	CART
ENTRY DIRECTION W/ APPROX. LOAD	1400
EMERGENCY EXIT W/ APPROX. LOAD	400
EMERGENCY AREA OF REFUGE	
FENCE BARRICADE	
CONSTRUCTION BARRICADE	
VEHICLE OR TEMP. BARRICADE	
RAMP (GOING DOWN)	



2 ISOMETRIC OF TEMP. FRONT ROW CROSS AISE
NO SCALE

FIRE AND LIFE SAFETY NOTES:
1. THE PLAYER, STAFF, AND OPERATIONS PERSONNEL EXIT PATHS ARE THE SAME AS THE SPECTATOR EXIT PATHS.
2. TEMPORARY STEEL STAIRS WILL BE PLACED BY THE CONTRACTOR AS INDICATED FROM THE BOWL TO THE FIELD LEVEL FOR EXITING FROM THE SEATING BOWL ONTO THE FIELD.
3. CONSTRUCTION FENCING WILL BE PLACED AS INDICATED. THE TYPE AND CONSTRUCTION SHALL MEET THE PERFORMANCE CRITERIA AS SPECIFIED IN THE PROJECT MANUAL.
4. TEMPORARY TOILETS AND WASH STATIONS SHALL BE PLACED AS INDICATED.
5. THE CONTRACTOR SHALL MAINTAIN THE EXISTING FIRE ALARM AND EMERGENCY LIGHTING SYSTEMS IN OPERATION DURING ALL TIME FRAMES WHEN OCCUPIED BY THE PUBLIC.
6. THE CONTRACTOR SHALL MAINTAIN THE EXISTING FIRE SUPPRESSION SYSTEM IN ACTIVE CONDITION IN ALL NON-CONSTRUCTION AREAS.
7. THE EXISTING FIRE ALARM PANEL IS PRESENTLY LOCATED IN AN AREA WHICH IS RESCHEDULED FOR DEMOLITION. THE CONTRACTOR TEMPORARILY RELOCATES THE PANEL TO A LOCATION ON THE MAIN CONCOURSE, AND SHALL CLEARLY MARK THE ROOM.
8. THE CONTRACTOR SHALL MONITOR THE FIRE ALARM SYSTEM DURING ALL PUBLIC EVENTS, AND SHALL MAINTAIN AND MONITOR ALL DEVICES.
9. THE CONTRACTOR SHALL INSTALL TEMPORARY EXIT SIGNS AS INDICATED, AND MAINTAIN ALL EXIT SIGNS DURING THE CONSTRUCTION PERIOD.

1 MAIN CONCOURSE LEVEL
ROCKIES EXIT PLAN
1/32"=1'-0"
W:\DOCS\ARCH\PLOTSHT\ROCK-02.DWG

Revision	Date	No.
1 PRESS/PREFUNCTION ACCESS	7/13/00	1
2 FRONT ROW CROSS AISLE	8/3/00	2

"ACME - ACME" STADIUM

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OCCUPANCY SAFETY PLAN
PORTLAND ROCKIES/
MAIN CONCOURSE LEVEL
Scale 1/32"=1'-0"

Date 13 JULY 2000 Comm. No. 9890.0001.00
In Charge MC
Drawn By EW
Checked By EW

PHASE 2
MAIN PERMIT PACKAGE
OSP102

APR 4 2003
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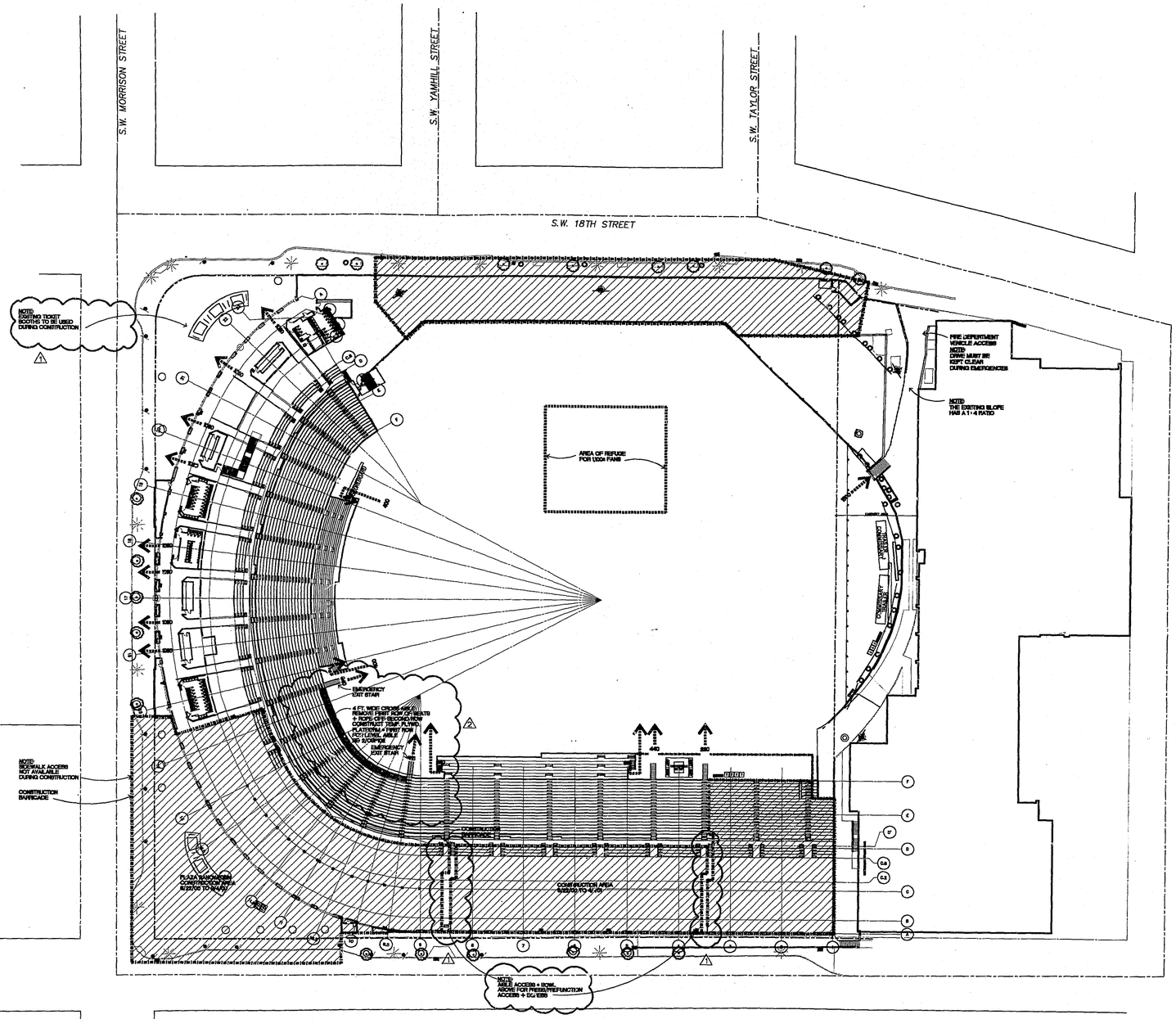
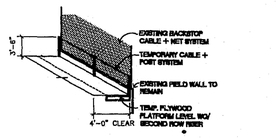


CODE REMARKS		
REQUIRED NUMBER OF PLUMBING FIXTURES		
WATER CLOSETS		
MEN		5
WOMEN		5
TOTAL		10
LAVATORIES		
MEN		3
WOMEN		3
TOTAL		6
PLUMBING FIXTURES PROVIDED		
WATER CLOSETS		
MEN		8
WOMEN		8
TOTAL		16
LAVATORIES		
MEN		3
WOMEN		3
TOTAL		6
WHEELCHAIR POSITIONS REQUIRED		
WHEELCHAIR POSITIONS		100
COMPANION SEATS		100
WHEELCHAIR POSITIONS PROVIDED		
WHEELCHAIR POSITIONS		42
COMPANION SEATS		42

NOTES:
1. TOILET COUNTS FOR MEN URINALS IN THE TOTAL APPROXIMATE COUNT.
2. THE EXITING REST ROOMS FOR MEN AND WOMEN ARE CONCENTRATED ALONG THE NORTHERN MOST SIDE OF THE STADIUM.
3. THE TOILET AND LAVATORY REQUIREMENTS ARE BASED ON THE CODE MINIMUM FOR NOT MALE/FEMALE DISTRIBUTION.

LEGEND

TURNSTILE W/ ATTENDENT	KUPI
PORTABLE TOILET	T
WASH STAND	
CONCESSION CART OR STAND	CART
ENTRY DIRECTION W/ APPROX LOAD	1800
EMERGENCY EXIT W/ APPROX LOAD	400
EMERGENCY AREA OF REFUGE	
FAN BARRICADE	
CONSTRUCTION BARRICADE	
HANDRAIL OR TEMP. HANDRAIL	
RAMP DOWNS DOWN	



2 ISOMETRIC OF TEMP. FRONT ROW CROSS AISE
NO SCALE

FIRE AND LIFE SAFETY NOTES:
1. THE PLAYER, STAFF, AND OPERATIONS PERSONNEL EXIT PATHS ARE THE SAME AS THE SPECTATOR EXIT PATHS.
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3. CONSTRUCTION FENCING WILL BE PLACED AS INDICATED. THE TYPE AND CONSTRUCTION SHALL MEET THE PERFORMANCE CRITERIA AS SPECIFIED IN THE PROJECT MANUAL.
4. TEMPORARY TOILETS AND WASH STATIONS SHALL BE PLACED AS INDICATED.
5. THE CONTRACTOR SHALL MAINTAIN THE EXISTING FIRE ALARM AND EMERGENCY LIGHTING SYSTEMS IN OPERATION DURING ALL BUILDING PHASES WHEN OCCUPIED BY THE PUBLIC.
6. THE CONTRACTOR SHALL MAINTAIN THE EXISTING FIRE SUPPRESSION SYSTEM IN ACTIVE CONDITION IN ALL NON-CONSTRUCTION AREAS.
7. THE EXISTING FIRE ALARM PANEL IS PRESENTLY LOCATED IN AN AREA WHICH IS SCHEDULED FOR DEMOLITION. THE CONTRACTOR TEMPORARILY RELOCATE THE PANEL TO A LOCATION ON THE MAIN CONCOURSE, AND SHALL CLEARLY MARK THE ROOM.
8. THE CONTRACTOR SHALL MONITOR THE FIRE ALARM SYSTEM DURING ALL PUBLIC EVENTS, AND SHALL MAINTAIN AND MONITOR ALL DEVICES.
9. THE CONTRACTOR SHALL INSTALL TEMPORARY EXIT SIGNS AS INDICATED, AND MAINTAIN ALL EXIT SIGNS DURING THE CONSTRUCTION PERIOD.

1 MAIN CONCOURSE LEVEL
ROCKIES EXIT PLAN
1/32"=1'-0"
W:\DOCS\ARCH\PLOTSHT\ROCK--02.DWG

1	PRESS/PREFUNCTION ACCESS 7/13/00
2	FRONT ROW CROSS AISLE 8/3/00

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
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OCCUPANCY SAFETY PLAN
PORTLAND ROCKIES/
MAIN CONCOURSE LEVEL
Scale 1/32"=1'-0"

Date 13 JULY 2000 Comm. No. 9890.0001.00
In Charge MC PHASE 2
Drawn By EW MAIN PERMIT PACKAGE
Checked By EW OSP102

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T. J. Zero 1.3.5

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MICROFILMED

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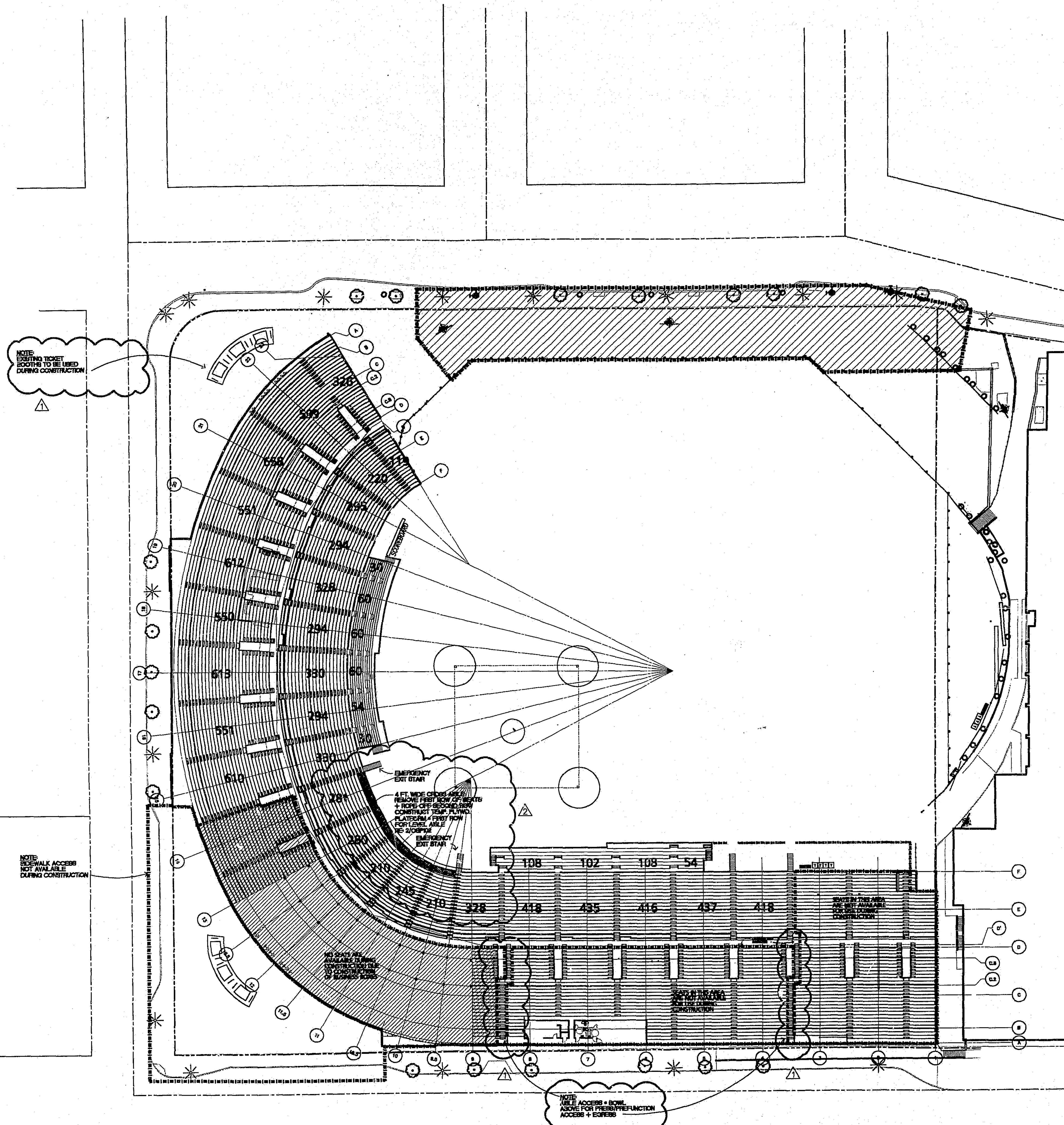

1 SEATING BOWL PLAN
SHOWING APPROXIMATE SEATING COUNTS
1/32"=1'-0"
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APPROXIMATE SEATING COUNT ROCKIES GAMES

APPROXIMATE SEAT COUNT BY AREA

CLUB SEATS	666
LOWER GRANDSTANDS	6258
UPPER GRANDSTANDS	5070
SUBTOTAL	11,994

FIRE AND LIFE SAFETY NOTES:

1. THE PLAYER, STAFF AND OPERATIONS PERSONNEL EXIT PATHS ARE THE SAME AS THE SPECTATOR EXIT PATHS.
2. TEMPORARY STEEL STAIRS WILL BE PLACED BY THE CONTRACTOR AS INDICATED FROM THE BOWL TO THE FIELD LEVEL FOR EXITING FROM THE SEATING BOWL ONTO THE FIELD.
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9. THE CONTRACTOR SHALL INSTALL TEMPORARY EXIT SIGNS AS INDICATED, AND MAINTAIN ALL EXIT SIGNS DURING THE CONSTRUCTION PERIOD.

Revision	Date	No.
PRESS/PREFUNCTION ACCESS	7/13/00	1
FRONT ROW CROSS AISLE	8/3/00	2

"ACME - ACME" STADIUM

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Facsimile: 503.639.8397

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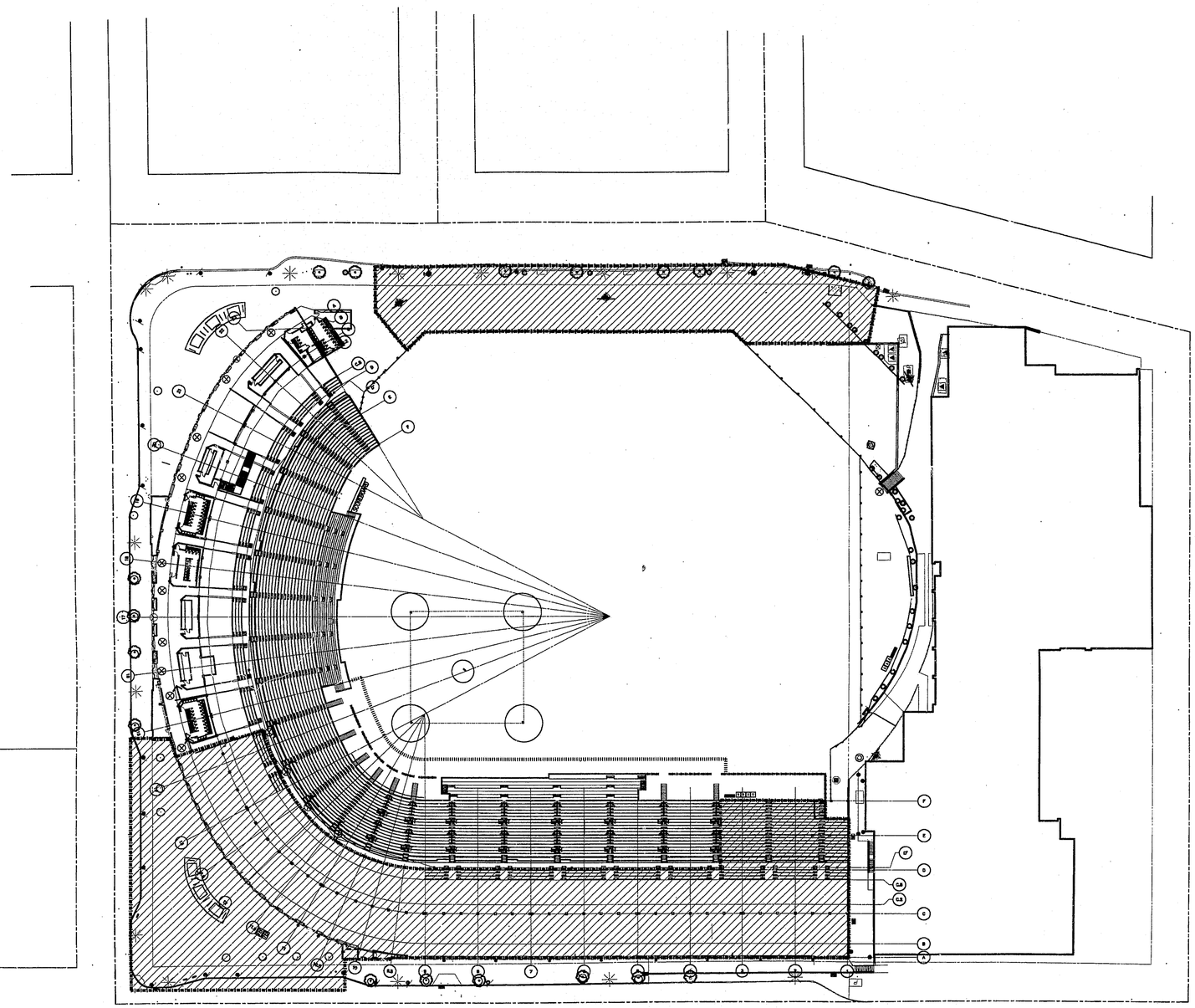
OCCUPANCY SAFETY PLAN
PORTLAND ROCKIES/
SEATING BOWL PLAN
Scale 1/32"=1'-0"

Date 13 JULY 2000	Comm. No. 9890.0001.00
In Charge MC	PHASE 3
Drawn By EW	MAIN PERMIT PACKAGE
Checked By EW	OSP103



EXIT SIGN LEGEND	
TEMPORARY NON-ILLUMINATED EXIT SIGN	⊗
TEMPORARY NON-ILLUMINATED EXIT SIGN W/ DIRECTIONAL ARROW	⊗ ←
PAINTED SIGN W/ ARROW ON AISLE	↑ EXIT

FIRE AND LIFE SAFETY NOTES:

1. THE PLAYER, STAFF AND OPERATIONS PERSONNEL EXIT PATHS ARE THE SAME AS THE SPECTATOR EXIT PATHS.
2. TEMPORARY STEEL STAIRS WILL BE PLACED BY THE CONTRACTOR AS INDICATED FROM THE BOWL, TO THE FIELD LEVEL, FOR EXITING FROM THE SEATING BOWL ONTO THE FIELD.
3. CONSTRUCTION FENCING WILL BE PLACED AS INDICATED. THE TYPE AND CONSTRUCTION SHALL MEET THE PERFORMANCE CRITERIA AS SPECIFIED IN THE PROJECT MANUAL.
4. TEMPORARY TOILETS AND WASH STATIONS SHALL BE PLACED AS INDICATED.
5. THE CONTRACTOR SHALL MAINTAIN THE EXISTING FIRE ALARM AND EMERGENCY LIGHTING SYSTEMS IN OPERATION DURING ALL TIME FRAMES WHEN OCCUPIED BY THE PUBLIC.
6. THE CONTRACTOR SHALL MAINTAIN THE EXISTING FIRE SUPPRESSION SYSTEM IN ACTIVE CONDITION IN ALL NON-CONSTRUCTION AREAS.
7. THE EXISTING FIRE ALARM PANEL IS PRESENTLY LOCATED IN AN AREA WHICH IS SCHEDULED FOR DEMOLITION. THE CONTRACTOR TEMPORARILY RELOCATE THE PANEL TO A LOCATION ON TI E MAIN CONCOURSE, AND SHALL CLEARLY MARK THE ROOM.
8. THE CONTRACTOR SHALL MONITOR THE FIRE ALARM SYSTEM DURING ALL PUBLIC EVENTS, AND SHALL MAINTAIN AND MONITOR ALL DEVICES.
9. THE CONTRACTOR SHALL INSTALL TEMPORARY EXIT SIGNS AS INDICATED, AND MAINTAIN ALL EXIT SIGNS DURING THE CONSTRUCTION PERIOD.

1 MAIN CONCOURSE LEVEL
TEMPORARY EXIT SIGN LOCATIONS
1/32"=1'-0"
W:\DOCS\ARCH\PLOTSHT\ROCK-02.DWG

"ACME - ACME" STADIUM

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1844 Morrison St.
Portland, OR 97201

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Facsimile: 503.226.1267

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Facsimile: 503.796.0993

City of Portland
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SEP 18 2000
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816 561 4443

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OCCUPANCY SAFETY PLAN
PORTLAND ROCKIES/TEMPORARY EXIT SIGN LOCATIONS
Scale 1/32"=1'-0"

Date 9 MAY 2000 Comm. No. 9890.0001.00
In Charge MC PHASE 1A
Drawn By EW
Checked By EW

OSP104

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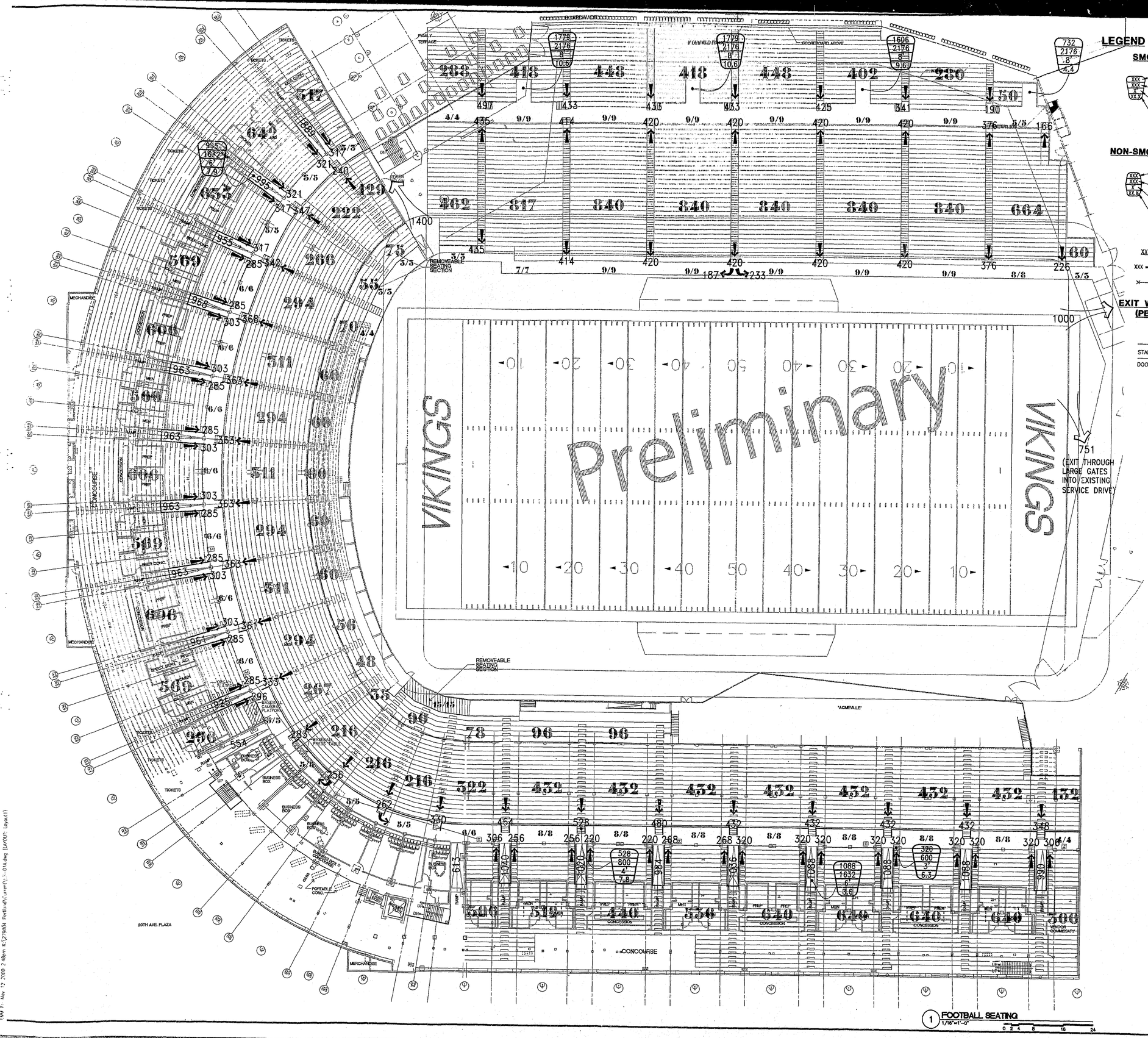

Revision No. Date

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment

Owner
City Of Portland

Architecture / Structural Engineering
E B Architects

Associate Architect
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Codes
FP&C Consultants, Inc.

Construction
Turner Construction Company

City of Portland APPROVED SEP 15 2000

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816 561 4443

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EXIT STUDY
PSU FOOTBALL SEATING
EXITING PLAN
Scale 1/16"=1'-0"

Date 5 MAY 2000 Comm. No. 17.11.0001.00
In Charge TLB PHASE 1A
Drawn By LMV
Checked By TLB
279001

ES-01A

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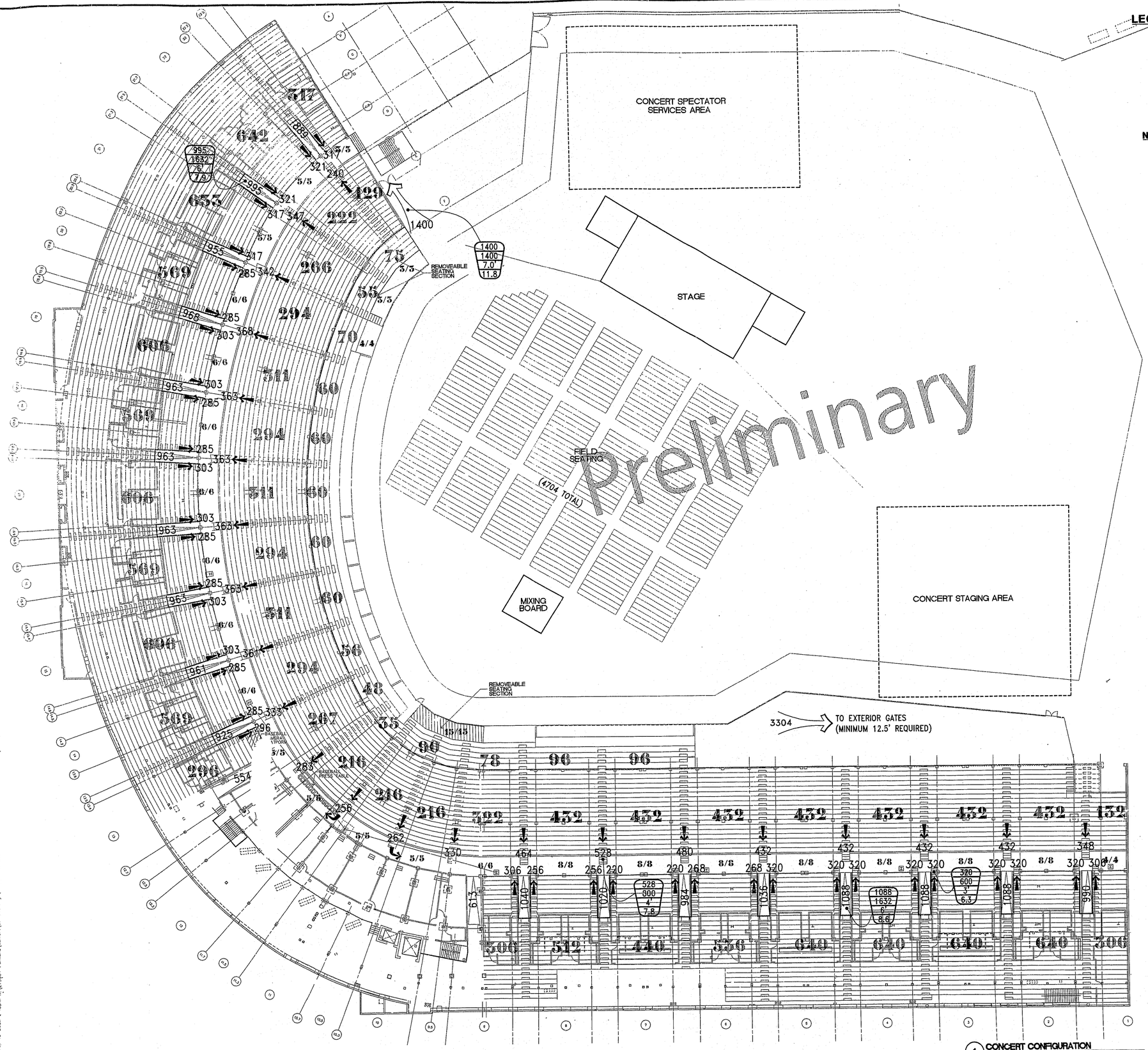

1 CONCERT CONFIGURATION
1/16"=1'-0"

LEGEND

SMOKE PROTECTED

- TOTAL NUMBER OF OCCUPANTS EXITING
- ALLOWABLE NUMBER OF OCCUPANTS
- EXIT WIDTH IN FEET (XX.X')
- FLOW TIME THROUGH ELEMENT (MINUTES)

NON-SMOKE PROTECTED

- TOTAL NUMBER OF OCCUPANTS EXITING
- ALLOWABLE NUMBER OF OCCUPANTS
- EXIT WIDTH IN FEET (XX.X')
- FLOW TIME THROUGH ELEMENT (MINUTES)

- XXX — OCCUPANTS IN SECTION/ROOM
- XXX → — OCCUPANT FLOW THROUGH ELEMENT
- ×—● — TRAVEL DISTANCE

EXIT WIDTH FACTORS (PEOPLE/FOOT)

	SMOKE PROTECTED	ENCLOSED SPACES
STAIRS	200.0	60
DOORS	272.0	80

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
1844 Morrison St.
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816 561 4443

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EXIT STUDY
CONCERT CONFIGURATION
EXITING PLAN
Scale 1/16"=1'-0"

Date 5 MAY 2000 | Comm. No. 1701.0001.00
In Charge TLB | PHASE 1A
Drawn By LMM
Checked By TLB
279001

ES-01B

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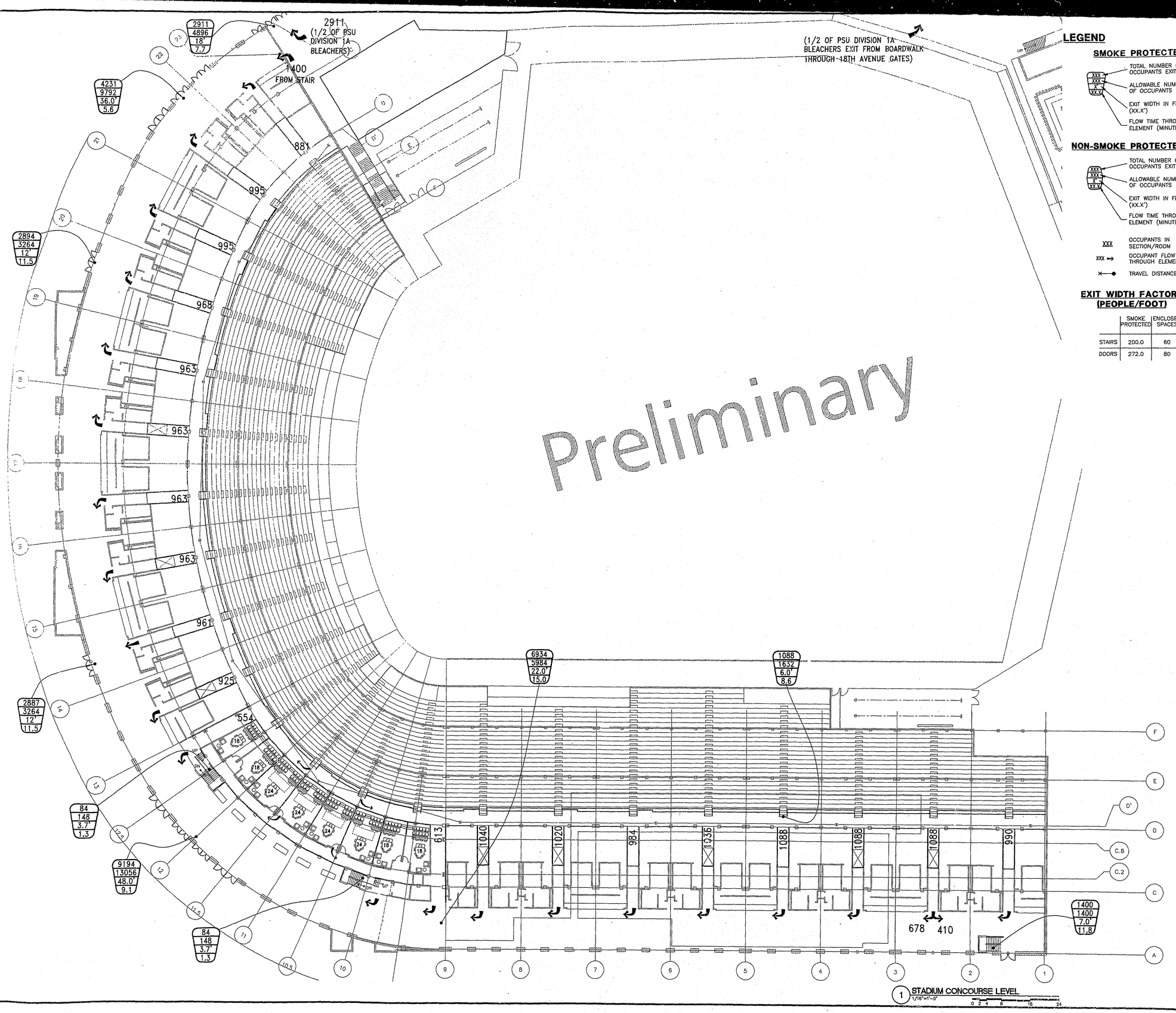

1 STADIUM CONCOURSE LEVEL
1/16"=1'-0"

LEGEND

SMOKE PROTECTED

- XXX — TOTAL NUMBER OF OCCUPANTS EXITING
- XXX — ALLOWABLE NUMBER OF OCCUPANTS
- X' — EXIT WIDTH IN FEET (XX.X')
- XX.X — FLOW TIME THROUGH ELEMENT (MINUTES)

NON-SMOKE PROTECTED

- XXX — TOTAL NUMBER OF OCCUPANTS EXITING
- XXX — ALLOWABLE NUMBER OF OCCUPANTS
- X' — EXIT WIDTH IN FEET (XX.X')
- XX.X — FLOW TIME THROUGH ELEMENT (MINUTES)

- XXX — OCCUPANTS IN SECTION/ROOM
- XXX → — OCCUPANT FLOW THROUGH ELEMENT
- ×—● — TRAVEL DISTANCE

EXIT WIDTH FACTORS (PEOPLE/FOOT)

	SMOKE PROTECTED	ENCLOSED SPACES
STAIRS	200.0	60
DOORS	272.0	80

"ACME - ACME" STADIUM

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816 561 4443

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EXIT STUDY
STADIUM CONCOURSE LEVEL
EXITING PLAN
Scale: 1/16"=1'-0"

Date	5 MAY 2000	Comm. No.	1701.0001.00
In Charge	TLB	PHASE	1A
Drawn By	LMM		
Checked By	TLB		
29001			

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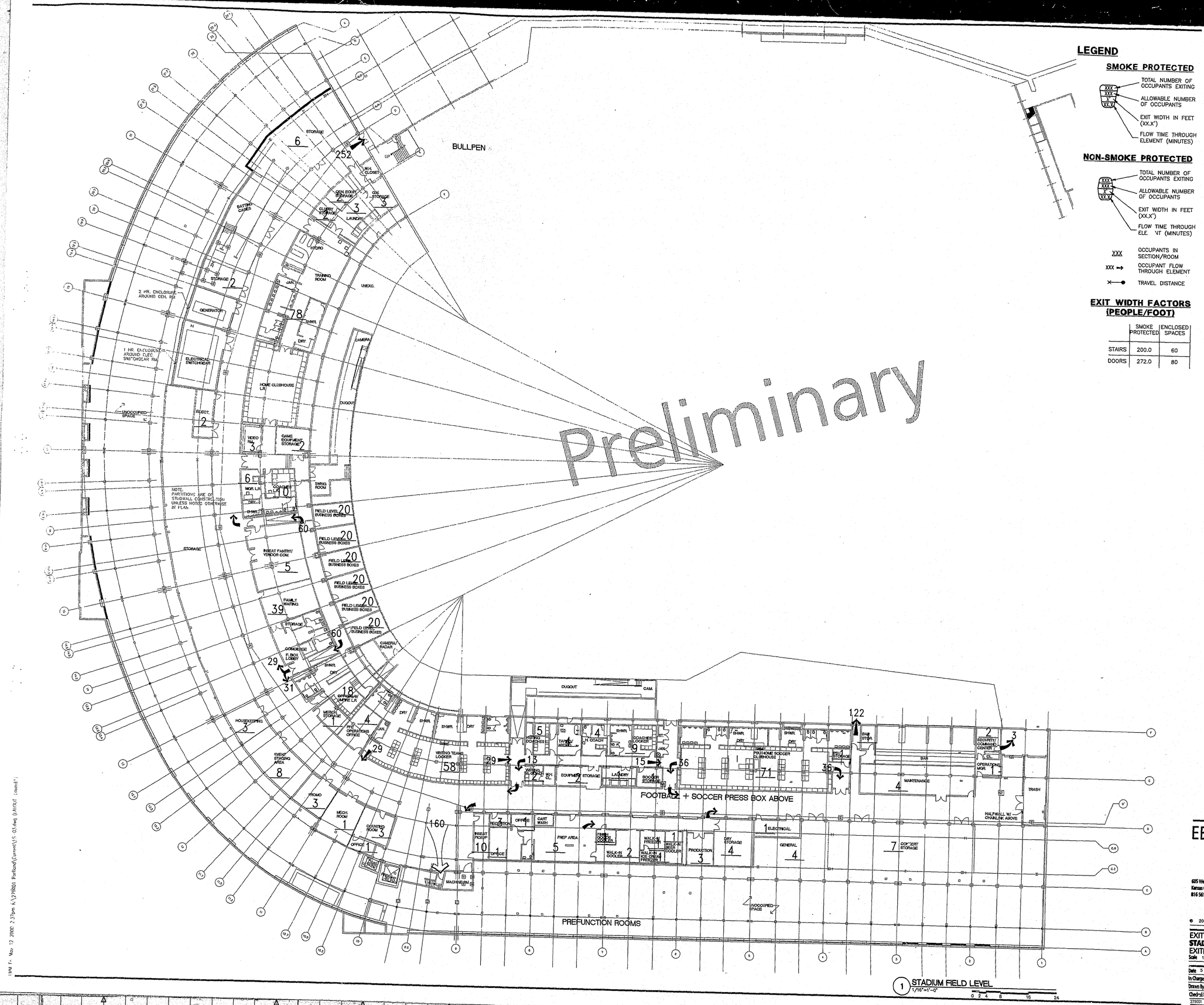

1 STADIUM FIELD LEVEL
1/16"=1'-0"

LEGEND

SMOKE PROTECTED

- XXX — TOTAL NUMBER OF OCCUPANTS EXITING
- XXX — ALLOWABLE NUMBER OF OCCUPANTS
- XX.X — EXIT WIDTH IN FEET (XX.X")
- FLOW TIME THROUGH ELEMENT (MINUTES)

NON-SMOKE PROTECTED

- XXX — TOTAL NUMBER OF OCCUPANTS EXITING
- XXX — ALLOWABLE NUMBER OF OCCUPANTS
- XX.X — EXIT WIDTH IN FEET (XX.X")
- FLOW TIME THROUGH ELE. NT (MINUTES)

- XXX — OCCUPANTS IN SECTION/ROOM
- XXX → — OCCUPANT FLOW THROUGH ELEMENT
- ×—● — TRAVEL DISTANCE

EXIT WIDTH FACTORS (PEOPLE/FOOT)

	SMOKE PROTECTED	ENCLOSED SPACES
STAIRS	200.0	60
DOORS	272.0	80

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
1844 Morrison St.
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816 561 4443

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EXIT STUDY
STADIUM FIELD LEVEL
EXITING PLAN
Scale 1/16"=1'-0"

Date	5 MAY 2000	Comm. No. 1701.0001.00
In Charge	TLB	PHASE 1A
Drawn By	LMN	
Checked By	TLB	ES-03

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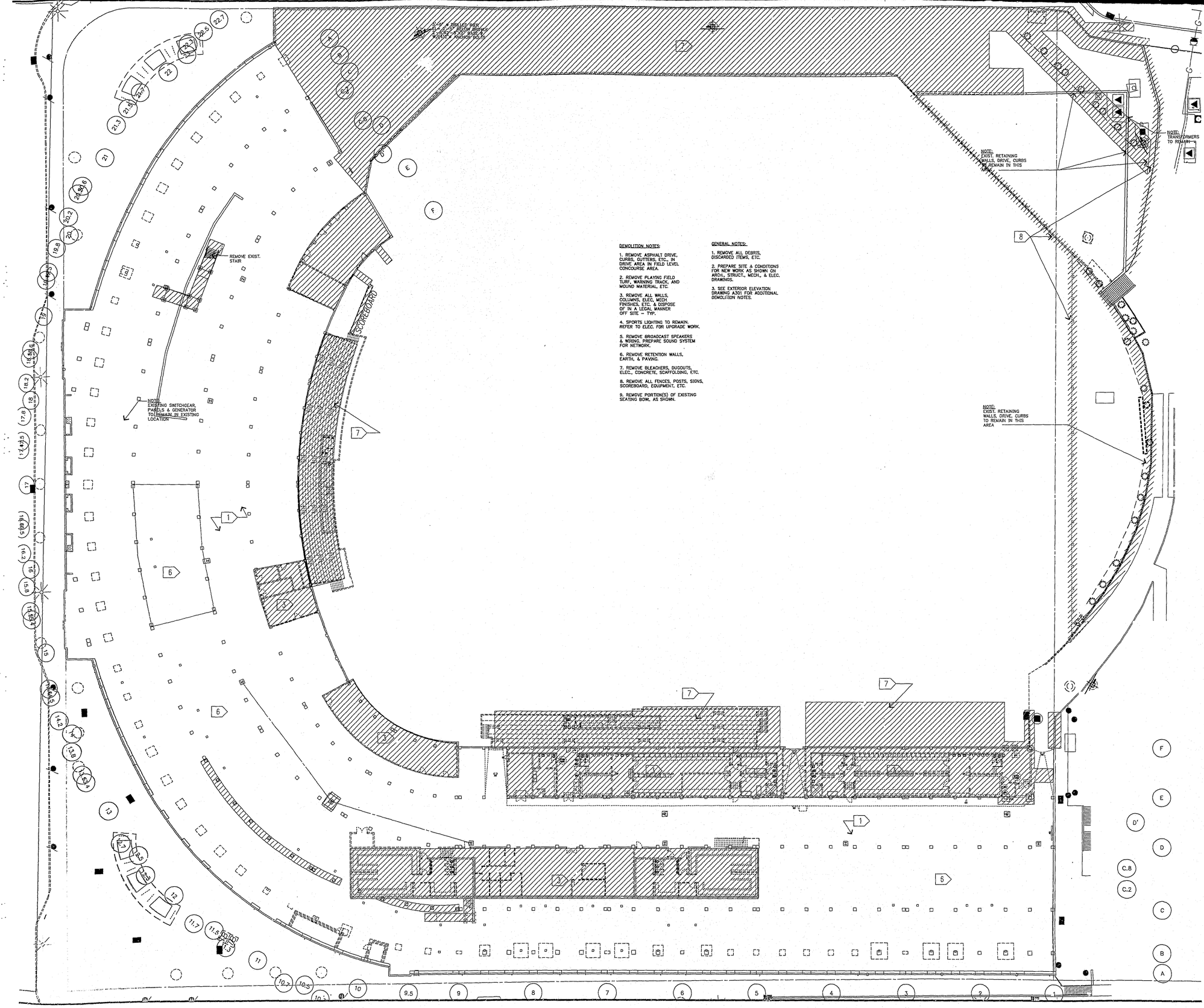
T. Zaro 1.3.5.



DEMOLITION NOTES:

1. REMOVE ASPHALT DRIVE, CURBS, GUTTERS, ETC., IN DRIVE AREA IN FIELD LEVEL CONCOURSE AREA.
2. REMOVE PLAYING FIELD TURF, WARNING TRACK, AND MOUND MATERIAL, ETC.
3. REMOVE ALL WALLS, COLUMNS, ELEC, MECH FINISHES, ETC. & DISPOSE OF IN A LEGAL MANNER OFF SITE – TYP.
4. SPORTS LIGHTING TO REMAIN. REFER TO ELEC. FOR UPGRADE WORK.
5. REMOVE BROADCAST SPEAKERS & WIRING, PREPARE SOUND SYSTEM FOR NETWORK.
6. REMOVE RETENTION WALLS, EARTH, & PAVING.
7. REMOVE BLEACHERS, DUGOUTS, ELEC., CONCRETE, SCAFFOLDING, ETC.
8. REMOVE ALL FENCES, POSTS, SIGNS, SCOREBOARD, EQUIPMENT, ETC.
9. REMOVE PORTION(S) OF EXISTING SEATING BOW, AS SHOWN.

GENERAL NOTES:

1. REMOVE ALL DEBRIS, DISCARDED ITEMS, ETC.
2. PREPARE SITE & CONDITIONS FOR NEW WORK AS SHOWN ON ARCH., STRUCT., MECH., & ELEC. DRAWINGS.
3. SEE EXTERIOR ELEVATION DRAWING A301 FOR ADDITIONAL DEMOLITION NOTES.

"ACME - ACME" STADIUM

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Facsimile: 503.796.0893

These Design Development drawings represent the current status of the design process and have been issued for information only. They do not illustrate the complete and total design or scope of work required for construction of the project and are not, under any circumstances, intended to be used by the Contractor or any other person for construction, for preparation of shop drawings or other submittals, or for bidding or awarding subcontracts.

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Kansas City, MO 64112-1905
816 561 4443

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FIELD CONCOURSE LEVEL DEMOLITION PLAN

Scale 1/16"=1'-0"

Date 14 APRIL 2000 Comm. No.9880.0001.00
In Charge MC
Drawn By EC
Checked By SD

FOR INFORMATION ONLY
SEISMIC/STRUCT. UPGRADES

AD01

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ZONE 1, 3, 5

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
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Facsimile: 503.283.0563

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Facsimile: 503.226.0606

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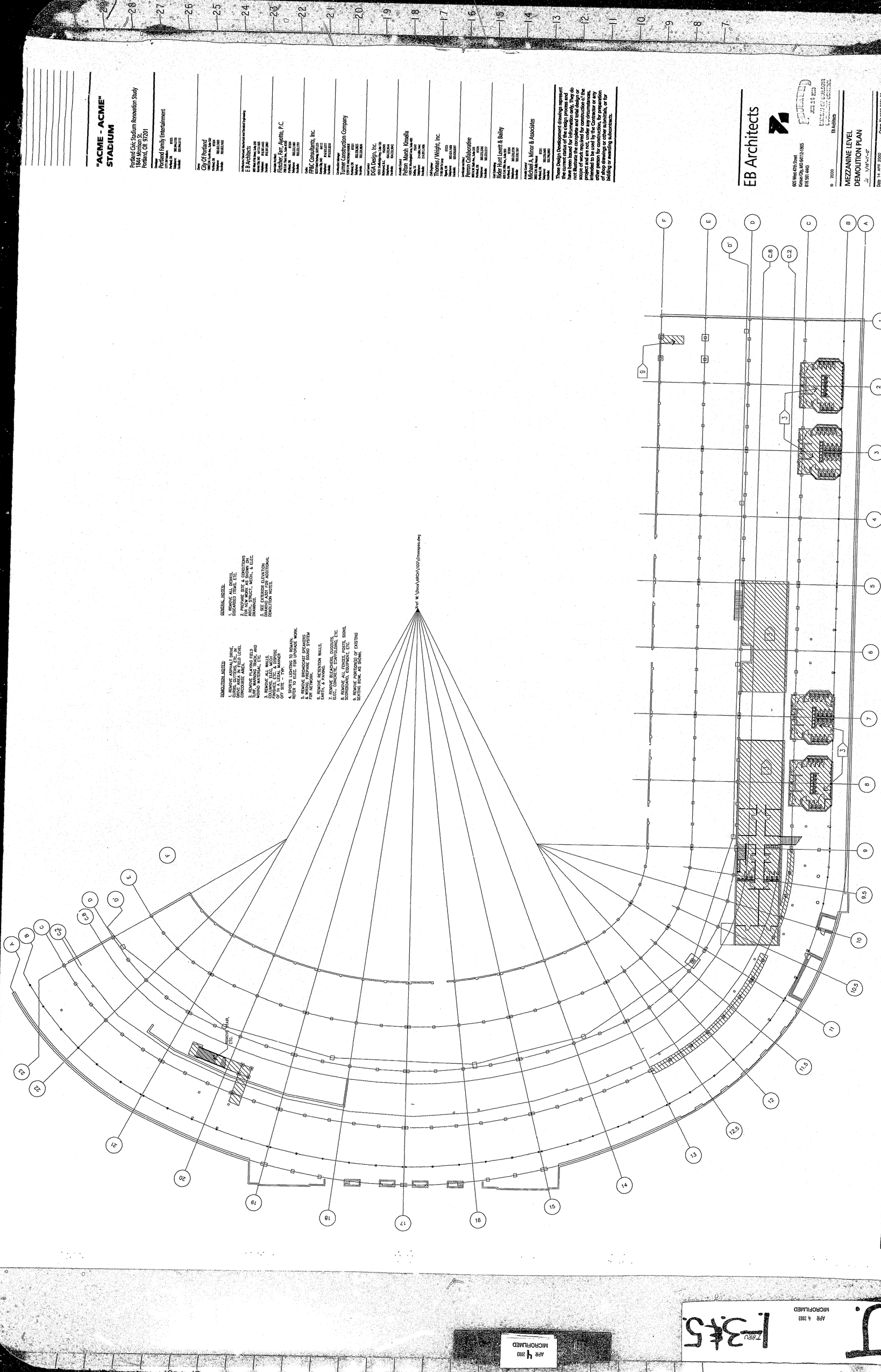
These Design Development drawings represent the current status of the design process and have been issued for information only. They do not represent a complete set of documents for the scope of work required for construction of the project and are not, under any circumstances, intended to be used by the Contractor or any other party for construction purposes. Any portion of shop drawings or other submittals, or for bidding or awarding subcontracts.

DEMOLITION NOTES:

1. REMOVE ASPHALT, CURB, GUTTERS, ETC. IN DRIVE, WALKWAYS, CONCOURSE AREAS.
2. REMOVE PLAYING FIELD SOD, MARKING, TRACK, AND LOOSE MATERIAL, ETC.
3. REMOVE ALL WALLS COLUMNS, ELEC., MECH EQUIPMENT, ETC. & DISPOSE OF IN A LEGAL MANNER OFF OF SITE.
4. SPORTS LIGHTING TO REMAIN. REFER TO ELEC. FOR UPGRADE WORK.
5. REMOVE BROADCAST SPEAKERS AT PRESS, PREPARE SOUND SYSTEM FOR NEW WORK.
6. REMOVE RETENTION WALLS, EARTH, & PAVING.
7. REMOVE BLEACHERS, DUGOUTS, ELEC. EQUIPMENT, SCOREBOARD, ETC.
8. REMOVE ALL EXISTING SIGNS, SCOREBOARD, EQUIPMENT, ETC.
9. REMOVE PORTION(S) OF EXISTING SEATING BOWL AS SHOWN.

GENERAL NOTES:

1. REMOVE ALL DEBRIS, DISCARDED ITEMS, ETC.
2. PREPARE SITE & CONDITIONS FOR NEW WORK AS SHOWN ON ARCH., STRUCT., MECH., & ELEC. DRAWINGS.
3. SEE EXTERIOR ELEVATION DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.



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Kansas City, MO 64112-1905
816 561 4445

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Development Services Center

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MEZZANINE LEVEL DEMOLITION PLAN

△ 1/16"=1'-0"

Date: 14 JAN 2003 — Comm. No.9930.0001.00
Drawn by: MC — FOR INFORMATION ONLY - NOT FOR CONSTRUCTION
Checked by: EC — AD02

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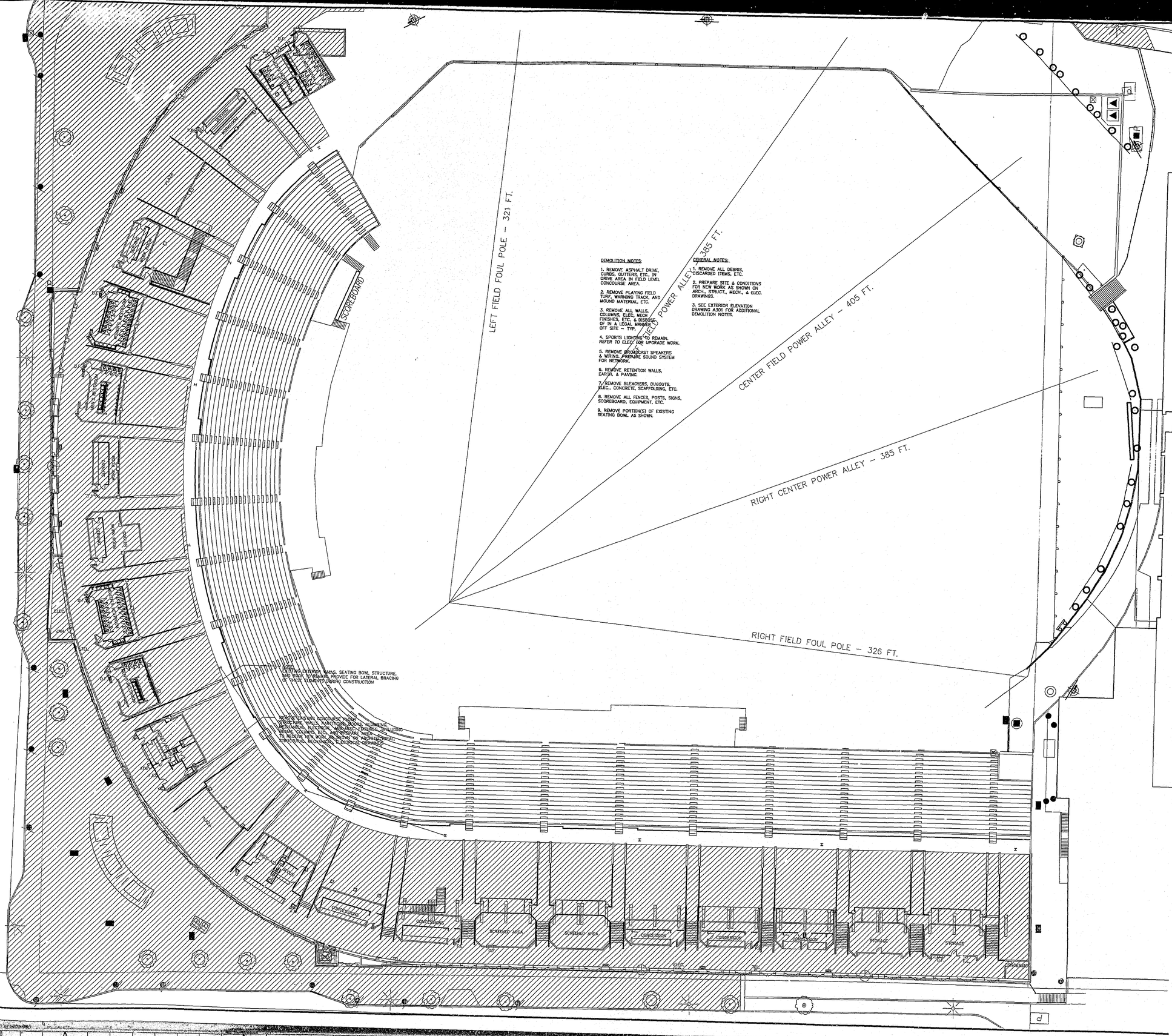

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.944.5170
Facsimile: 503.944.5115

Owner
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Facsimile: 503.823.7989

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Facsimile: 816.561.2867

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Facsimile: 816.523.8256

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Facsimile: 604.232.0645

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Revision | Date | No.

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Kansas City, MO 64112-1905
816 561 4443

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MAIN CONCOURSE LEVEL DEMOLITION PLAN

Scale 1/16"=1'-0"

Date 14 APR 2000
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AD03

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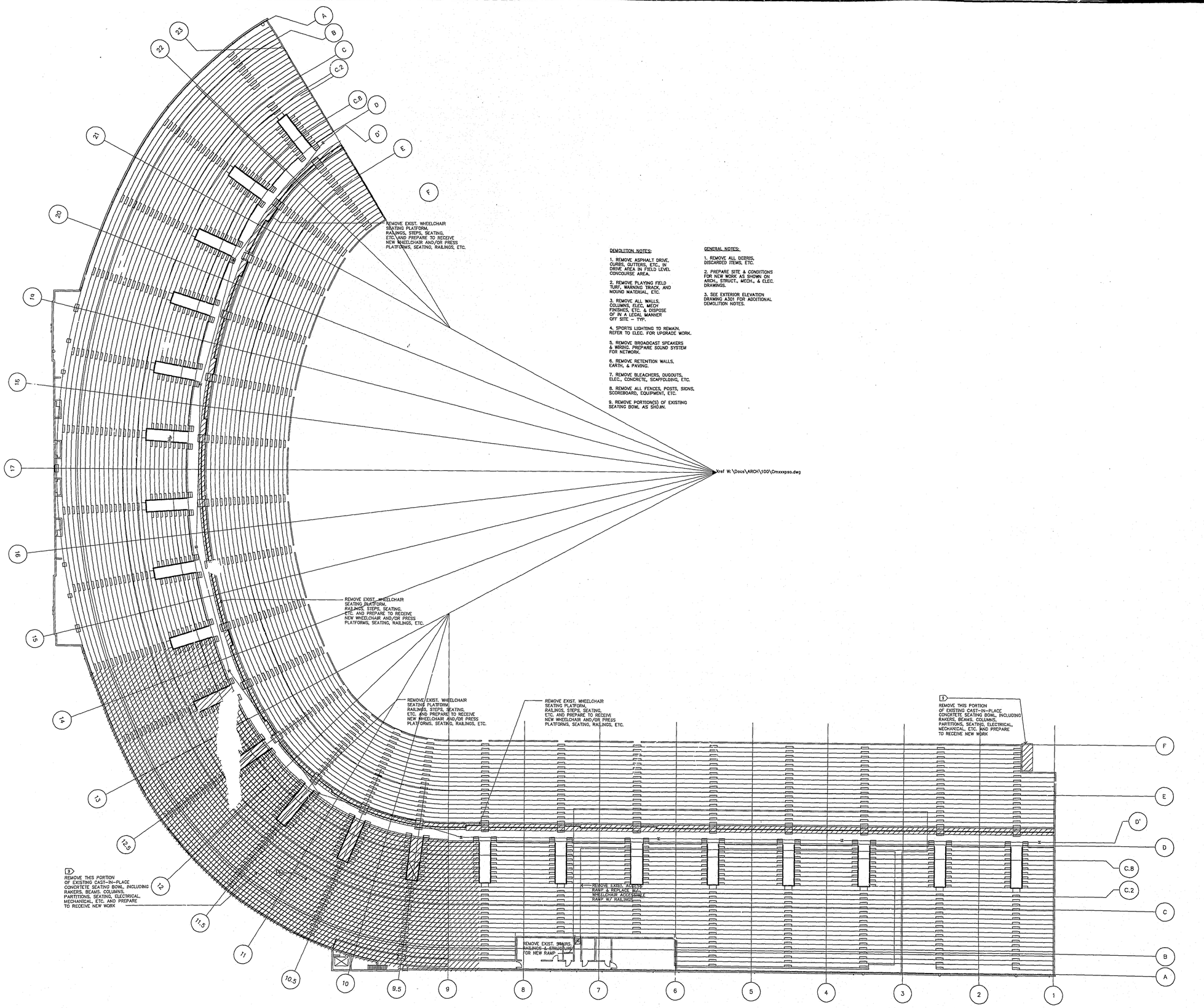

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Revision Date No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
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PRESS LEVEL
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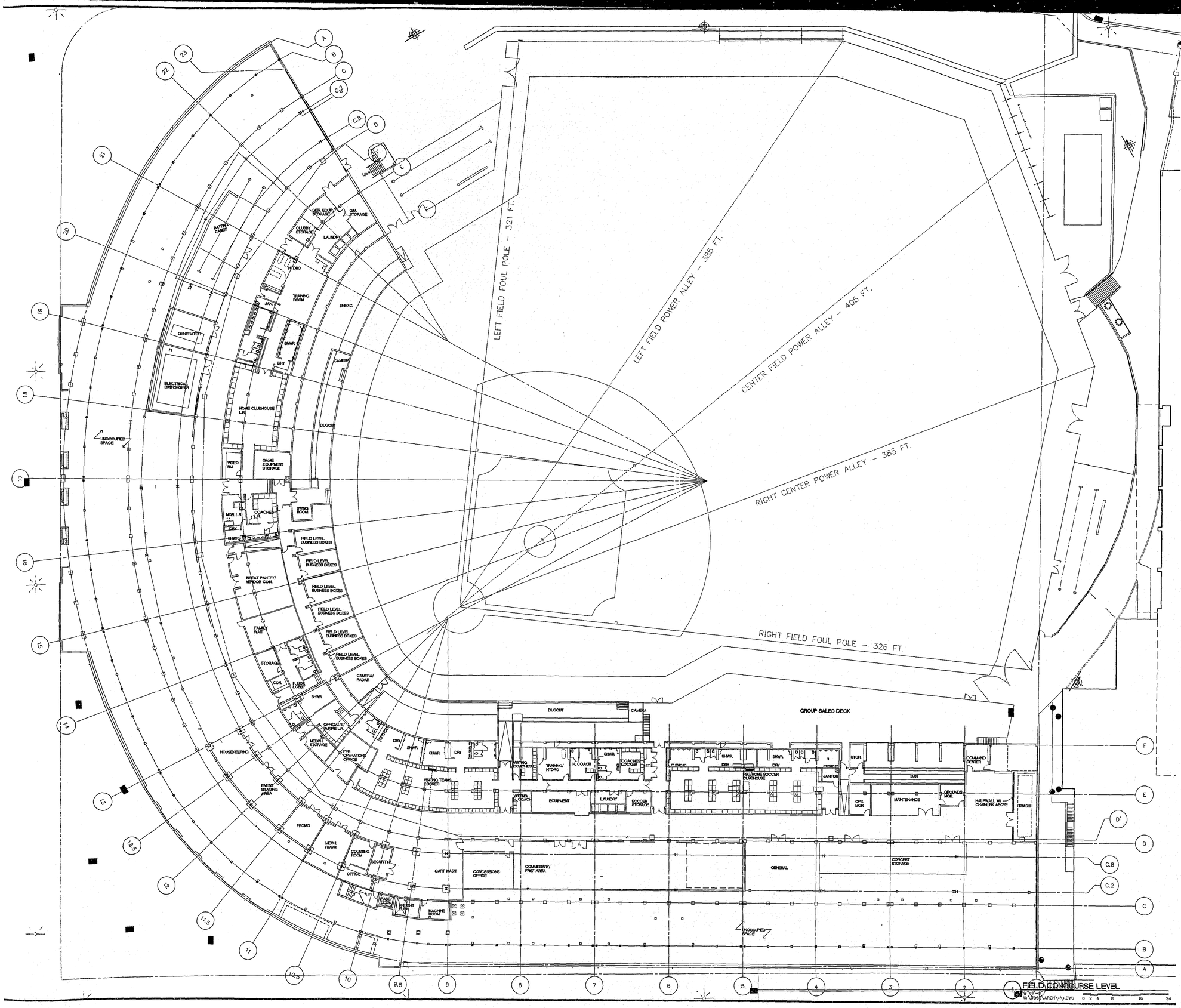

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
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FIELD CONCOURSE LEVEL

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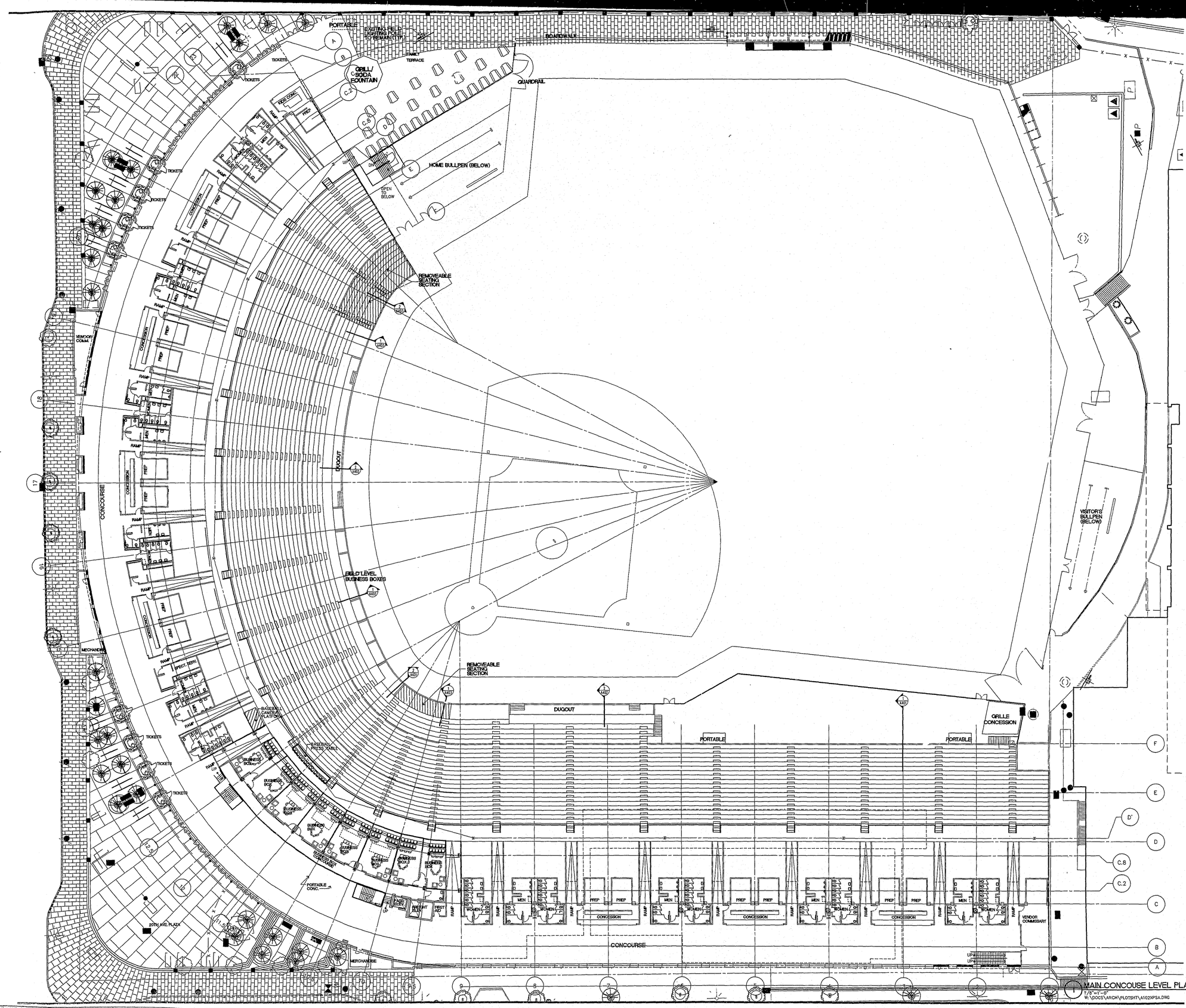

"ACME - ACME" STADIUM

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Facsimile: 503.796.0933

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MAIN CONCOURES LEVEL PLAN

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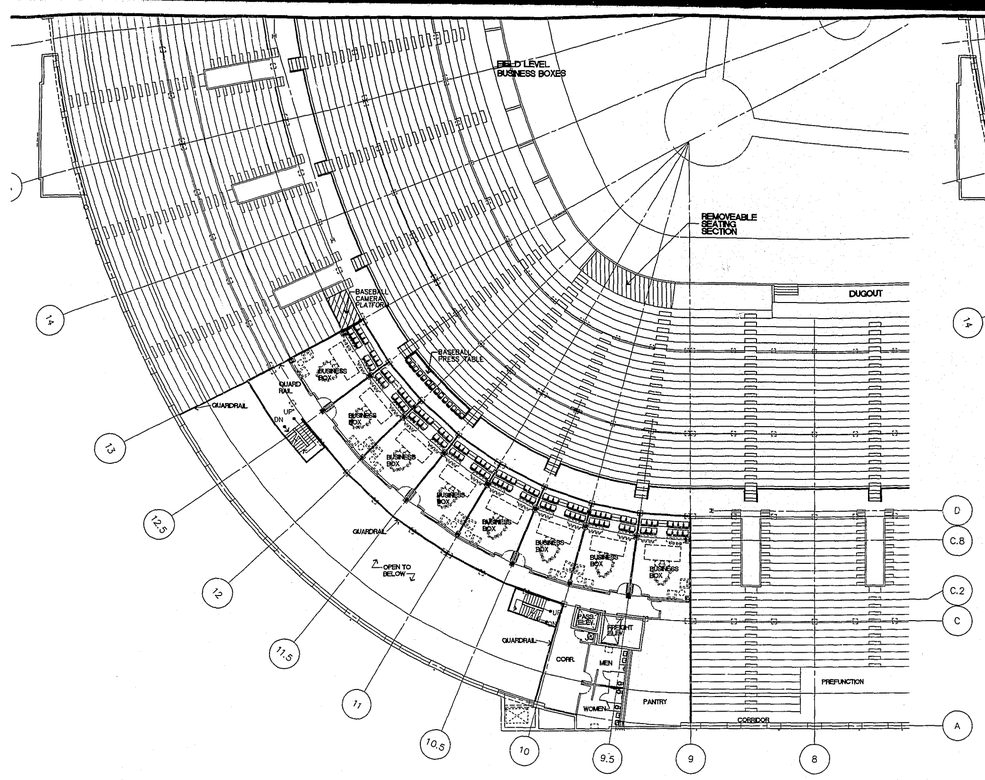

3 THIRD LEVEL BOXES
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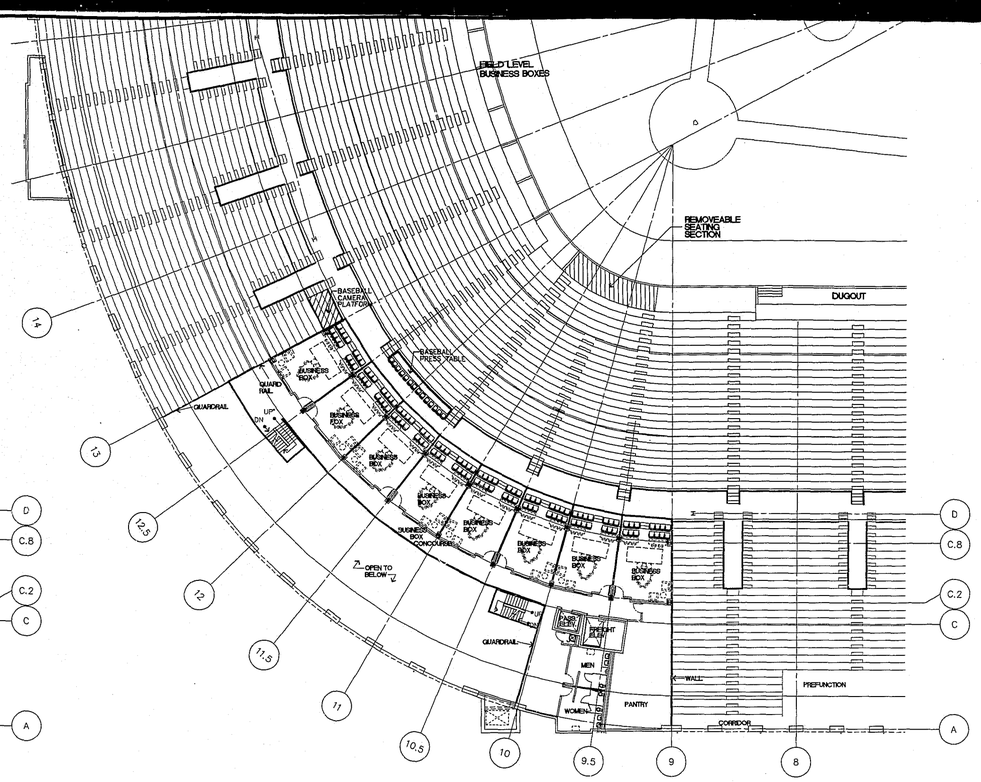

1 SECOND LEVEL BOXES
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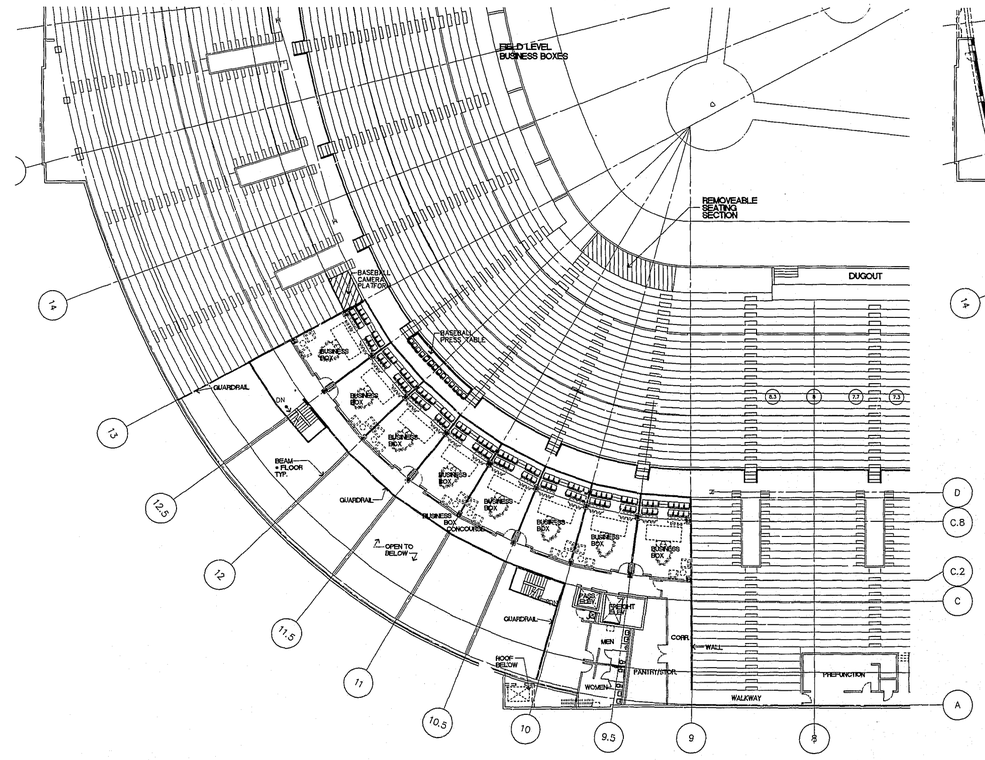

4 FOURTH LEVEL BOXES
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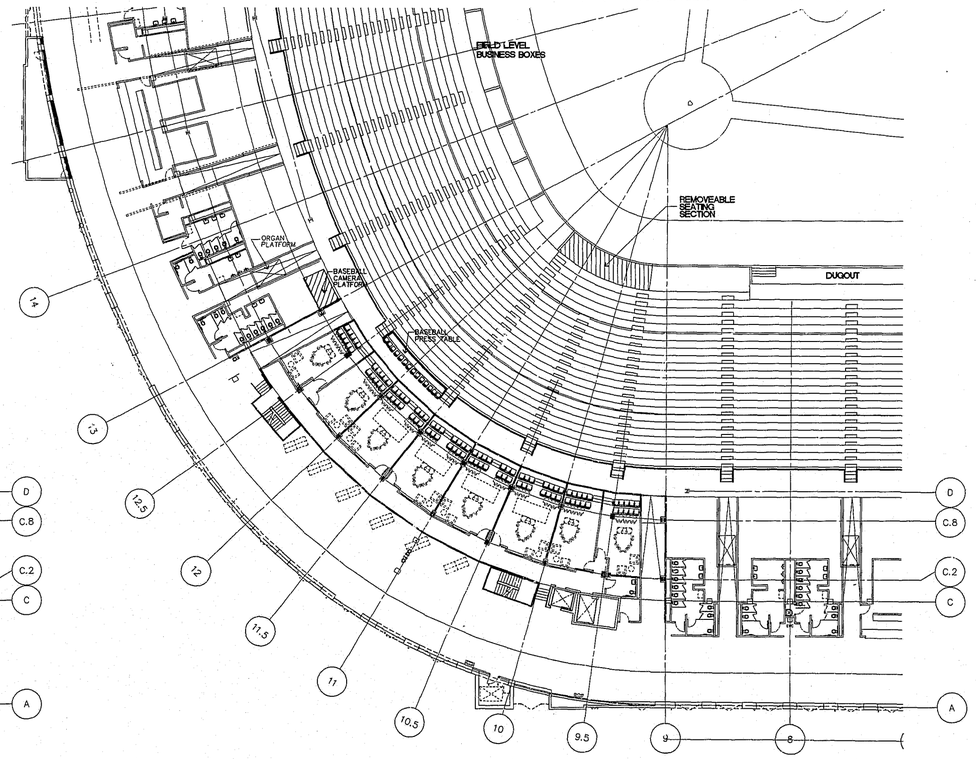

1 CONCOURSE LEVEL
1/16"=1'-0"
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Revision

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
1844 Morrison St.
Portland, OR 97201

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SUITE LEVELS 1 THRU 4

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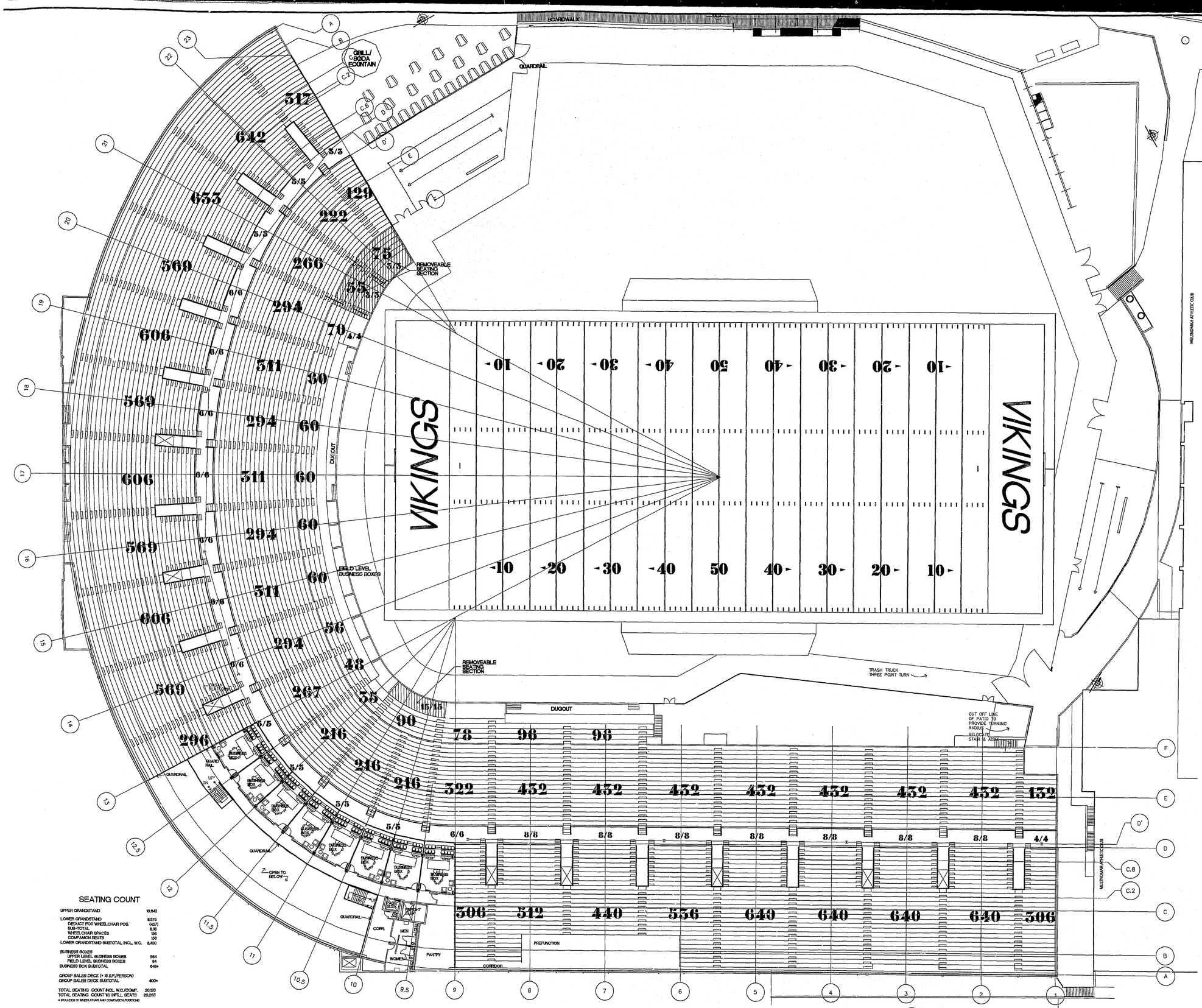
ZONE 1 3 4 5



SEATING COUNT

UPPER GRANDSTAND	10,642
LOWER GRANDSTAND	8,575
DEDUCT FOR WHEELCHAIR POS.	(457)
SUB-TOTAL	8,118
WHEELCHAIR SPACES	156
COMPANION SEATS	156
LOWER GRANDSTAND SUBTOTAL INCL. W.C.	8,430
BUSINESS BOXES	
UPPER LEVEL BUSINESS BOXES	564
FIELD LEVEL BUSINESS BOXES	84
BUSINESS BOX SUBTOTAL	648*
GROUP SALES DECK (+ 15 S.F./PERSON)	
GROUP SALES DECK SUBTOTAL	400*
TOTAL SEATING COUNT INCL. W.C./COMP.	20,120
TOTAL SEATING COUNT W/ INFILL SEATS	20,265

* INCLUDES 32 WHEELCHAIR AND COMPANION POSITIONS

1 PSU FOOTBALL SEATING PLAN
1/16"=1'-0"
W:\DOCS\ARCH\1\1.DWG

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
1844 Morrison St.
Portland, OR 97201

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PSU FOOTBALL SEATING CONFIGURATION

Scale 1/16"=1'-0"

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In Charge MC
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SEATING COUNT

UPPER GRANDSTAND	10,542
LOWER GRANDSTAND	8,575
DEDUCT FOR WHEELCHAIR POS.	(457)
SUB-TOTAL	8,118
WHEELCHAIR SPACES	156
COMPANION SEATS	156
LOWER GRANDSTAND SUBTOTAL INCL. W.C.	8,470
BUSINESS BOXES:	
UPPER LEVEL BUSINESS BOXES	564
FIELD LEVEL BUSINESS BOXES	84
BUSINESS BOX SUBTOTAL	648*
TEMPORARY BLEACHER	6,805
ADD FOR MAC CLUB BALCONY	400
SUB-TOTAL	7,205
DEDUCT FOR WHEELCHAIR POS.	(100)
SUB-TOTAL	7,105
WHEELCHAIR SPACES	95
COMPANION SEATS	95
TEMPORARY BLEACHER SUBTOTAL INCL. W.C.	7,295
TOTAL SEATING COUNT INCL. W.C./COMP.	26,925
TOTAL SEATING COUNT W/ INFILL SEATS	28,806

* INCLUDES 12 WHEELCHAIR AND COMPANION POSITIONS

1 SOCCER SEATING CONFIGURATION
1/16"=1'-0"
W:\DOCS\ARCH\~\~.DWG 0 4 8 16 32 48

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
1844 Morrison St.
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Civil
FP&C Consultants, Inc.
8233 West Parkway, 5233.225
Kansas City, MO 66112
Telephone: 816.523.3377
Facsimile: 816.523.8550

Construction Manager
Turner Construction Company
5200 S.W. MACADAM AVENUE
Portland, OR 97201
Telephone: 503.226.0825
Facsimile: 503.226.9836

Food Service
DGA Design, Inc.
10503 Shelbridge Way, Suite 100
Richmond, B.C. V6X2W9
Telephone: 604.232.9944
Facsimile: 604.232.9942

Acoustic Consu
Pelton Marsh Kinsella
1420 W. Mockingbird Lane, Suite 400
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Facsimile: 214.951.2406

Civil Engineer
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800 N.W. 16th Ave., Suite 210
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Cost Estimating
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Facsimile: 503.226.1307

Acoustic Consul
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Telephone: 503.220.2405
Facsimile: 503.760.0869

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SOCCER
SEATING CONFIGURATION

Scale 1/16"=1'-0"

Date 14 APR 2000 Comm. No.9890.0001.00
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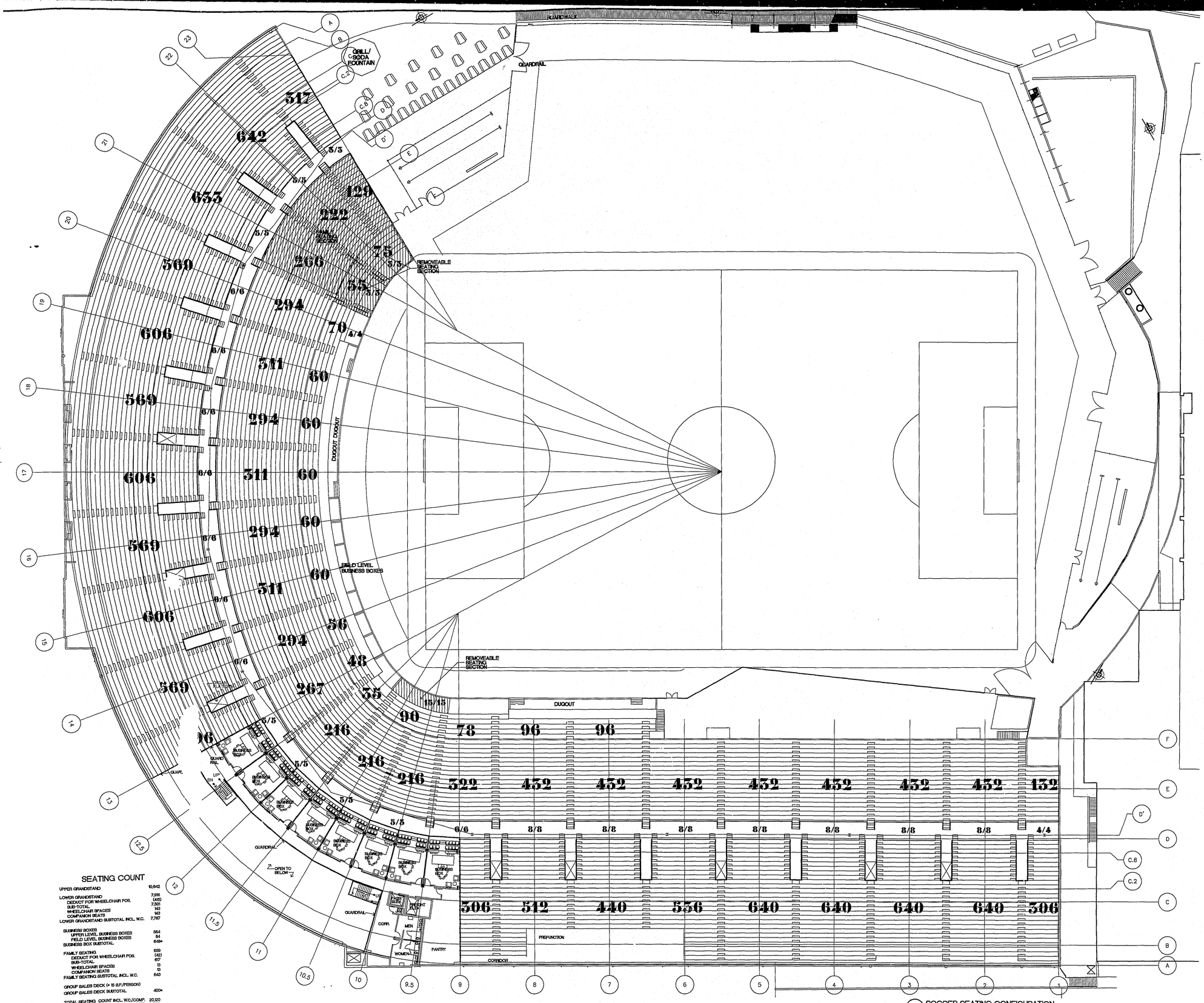

SEATING COUNT

UPPER GRANDSTAND	10,642
LOWER GRANDSTAND	7,916
DEDUCT FOR WHEELCHAIR POS.	(416)
SUB-TOTAL	7,501
WHEELCHAIR SPACES	143
COMPANION SEATS	143
LOWER GRANDSTAND SUBTOTAL INCL. W.C.	7,787
BUSINESS BOXES	
UPPER LEVEL BUSINESS BOXES	564
FIELD LEVEL BUSINESS BOXES	84
BUSINESS BOX SUBTOTAL	648*
FAMILY SEATING	659
DEDUCT FOR WHEELCHAIR POS.	(42)
SUB-TOTAL	617
WHEELCHAIR SPACES	13
COMPANION SEATS	13
FAMILY SEATING SUBTOTAL INCL. W.C.	643
GROUP BALES DECK (+ 15 S.F./PERSON)	
GROUP BALES DECK SUBTOTAL	400*
TOTAL SEATING COUNT INCL. WC/COMP.	20,120
TOTAL SEATING COUNT W/ INFILL SEATS	20,181

* INCLUDES 12 WHEELCHAIR AND COMPANION POSITIONS

1 SOCCER SEATING CONFIGURATION
1/16"=1'-0"
W:\DOCS\COMM\COORD\BPXXXPSA.DWG
0 4 8 16 32 48

Revision

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
1844 Morrison St.
Portland, OR 97201

Developer
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1771 SW Madison
Portland, OR 97205
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Facsimile: 604.232.9645

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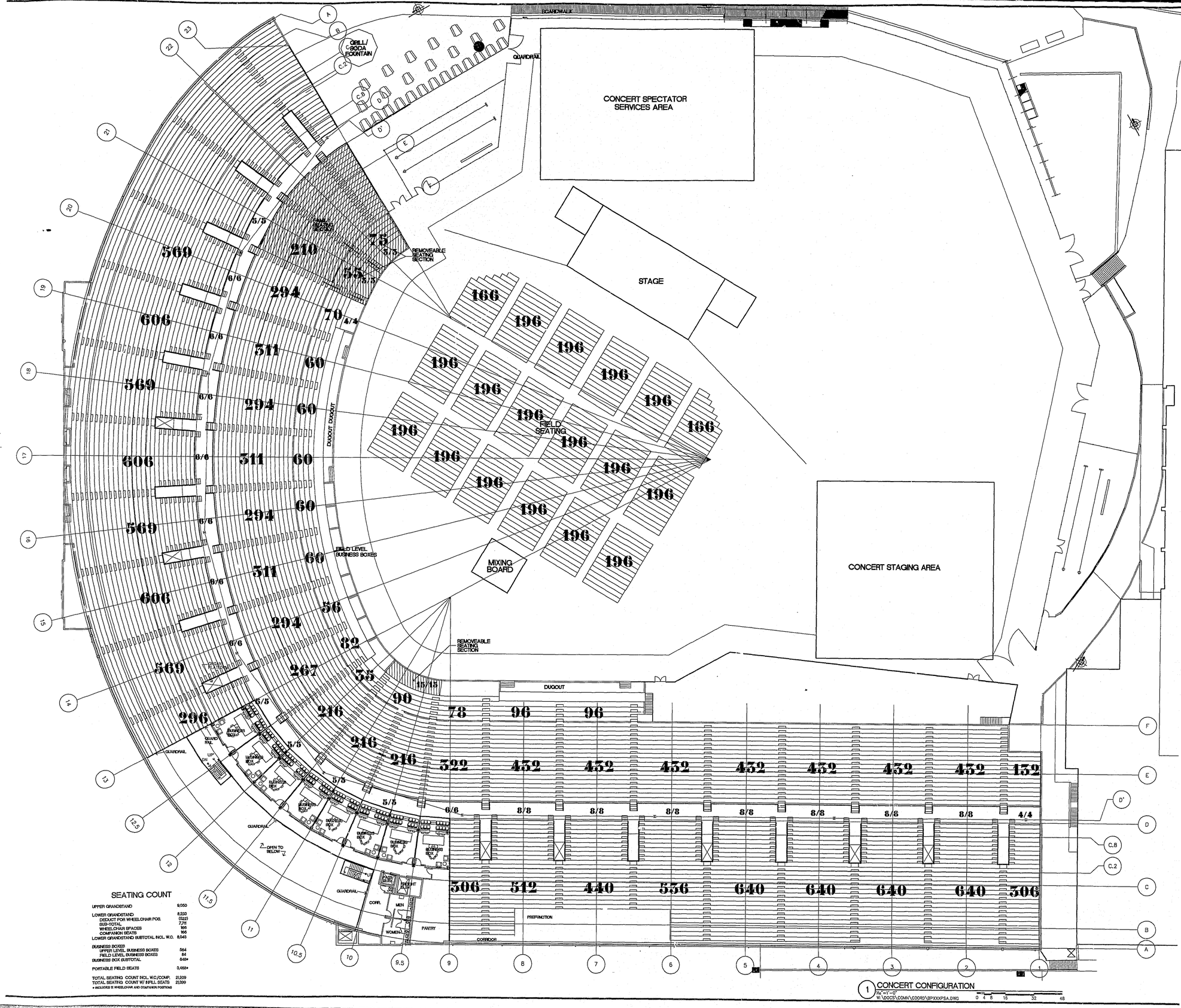

SEATING COUNT

UPPER GRANDSTAND	9,050
LOWER GRANDSTAND	8,223
DEDUCT FOR WHEELCHAIR POS.	(322)
SUB-TOTAL	7,711
WHEELCHAIR SPACES	166
COMPANION SEATS	166
LOWER GRANDSTAND SUBTOTAL INCL. W.C.	8,043
BUSINESS BOXES	
UPPER LEVEL BUSINESS BOXES	564
FIELD LEVEL BUSINESS BOXES	84
BUSINESS BOX SUBTOTAL	648+
PORTABLE FIELD SEATS	3,468+
TOTAL SEATING COUNT INCL. W.C./COMP.	21,209
TOTAL SEATING COUNT W/ INFILL SEATS	21,399

+ INCLUDES 12 WHEELCHAIR AND COMPANION POSITIONS

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
1844 Morrison St.
Portland, OR 97201

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Facsimile: 816.523.8256

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Facsimile: 503.226.9836

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Person Collaborative
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Facsimile: 503.226.1207

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Michael A. Minor & Associates
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Portland, OR 97201
Telephone: 503.220.0405
Facsimile: 503.790.0893

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CONCERT SEATING CONFIGURATION

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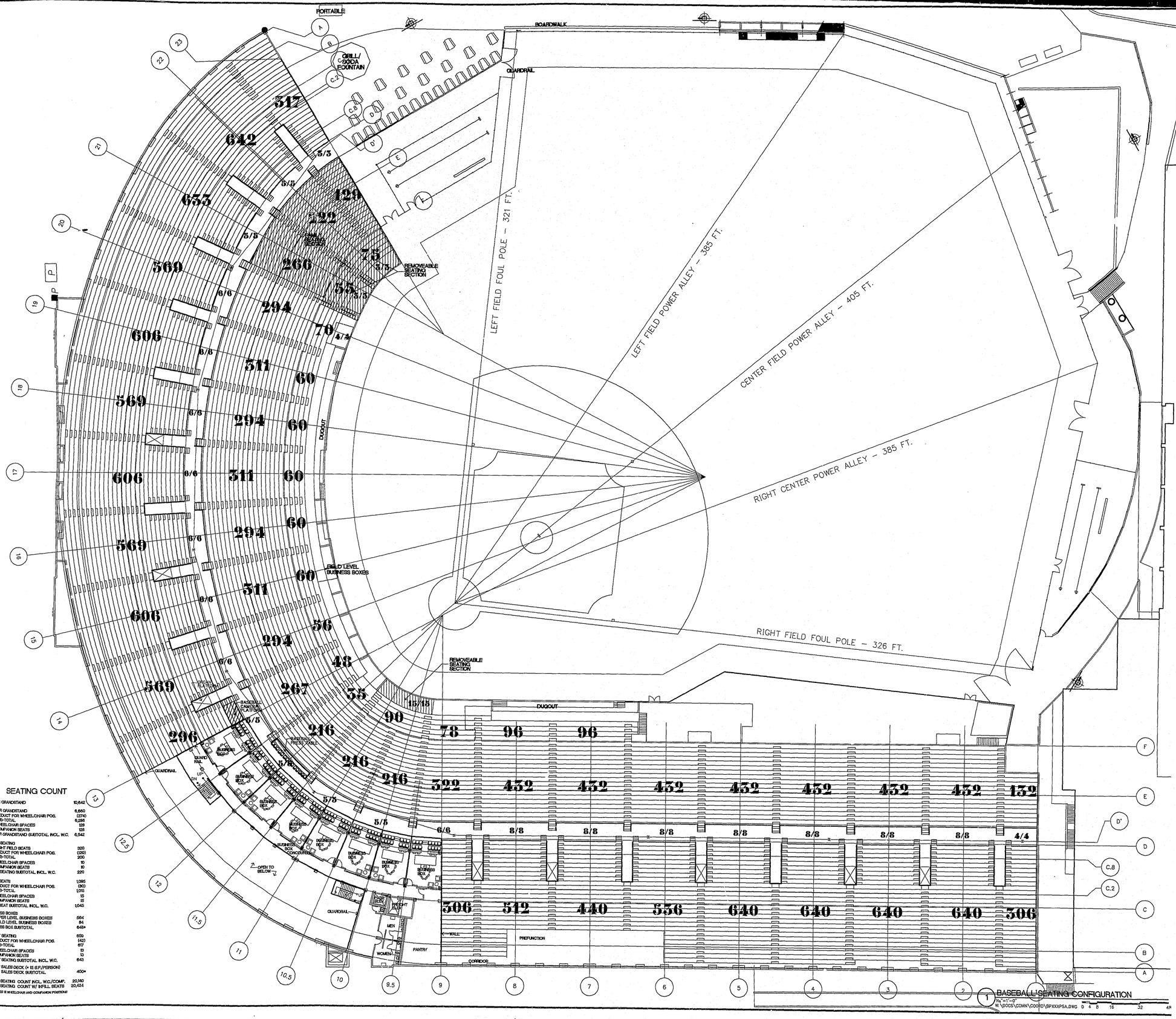

SEATING COUNT

UPPER GRANDSTAND	10,642
LOWER GRANDSTAND	6,600
DEDUCT FOR WHEELCHAIR POS.	(374)
SUB-TOTAL	6,286
WHEELCHAIR SPACES	128
COMPANION SEATS	128
LOWER GRANDSTAND SUBTOTAL INCL. W.C.	6,542
FIELD SEATING	
RIGHT FIELD SEATS	320
DEDUCT FOR WHEELCHAIR POS.	(120)
SUB-TOTAL	200
WHEELCHAIR SPACES	10
COMPANION SEATS	10
FIELD SEATING SUBTOTAL INCL. W.C.	220
CLUB SEATS	1,095
DEDUCT FOR WHEELCHAIR POS.	(50)
SUB-TOTAL	1,045
WHEELCHAIR SPACES	15
COMPANION SEATS	15
CLUB SEAT SUBTOTAL INCL. W.C.	1,045
BUSINESS BOXES	
UPPER LEVEL BUSINESS BOXES	564
FIELD LEVEL BUSINESS BOXES	84
BUSINESS BOX SUBTOTAL	648*
FAMILY SEATING	659
DEDUCT FOR WHEELCHAIR POS.	(42)
SUB-TOTAL	617
WHEELCHAIR SPACES	13
COMPANION SEATS	13
FAMILY SEATING SUBTOTAL INCL. W.C.	643
GROUP SALES DECK (+ 15 B.F./PERSON)	
GROUP SALES DECK, SUBTOTAL	400*
TOTAL SEATING COUNT INCL. W.C./COMP.	20,140
TOTAL SEATING COUNT W/ INFILL SEATS	20,454

* INCLUDES 8 WHEELCHAIR AND COMPANION POSITIONS

1) BASEBALL SEATING CONFIGURATION
3/16"=1'-0"
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Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1719 SW Madison
Portland, OR 97205
Telephone: 503.***.6100
Facsimile: 503.944.5110

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
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Facsimile: 503.823.7982

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605 West 47th Street, Suite 200
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Telephone: 503.222.1161
Facsimile: 503.223.1701

Cost
FP&C Consultants, Inc.
9233 West Parkway, SUITE 225
Kansas City, MO 64132
Telephone: 816.523.3377
Facsimile: 816.523.8256

Construction Manager
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5200 S.W. MACADAM AVENUE
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Telephone: 503.226.5825
Facsimile: 503.226.3836

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10201 Shellbridge Way, Suite 100
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3605 S.W. Kelly Avenue
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Telephone: 503.220.2400
Facsimile: 503.796.0983

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BASEBALL SEATING CONFIGURATION

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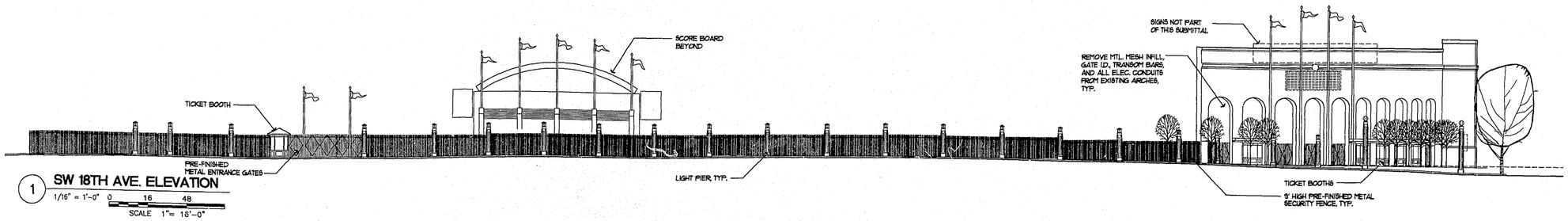
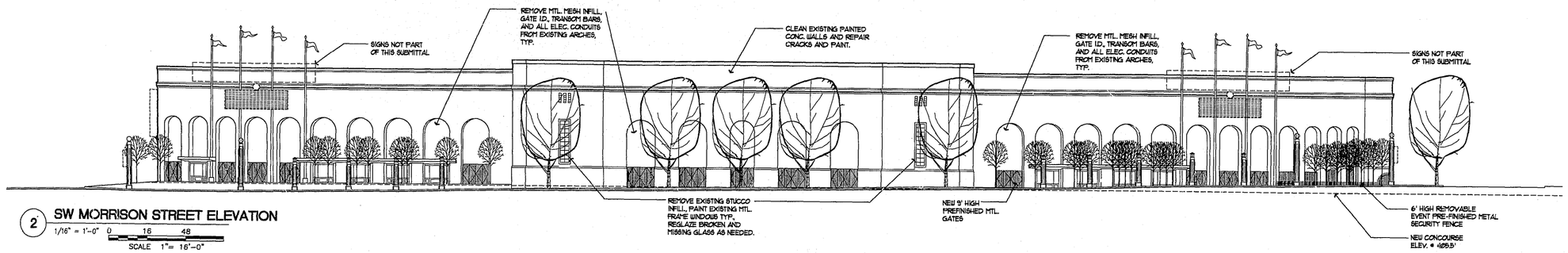


1 SW 18TH AVE. ELEVATION

1/16" = 1'-0" 0 16 48

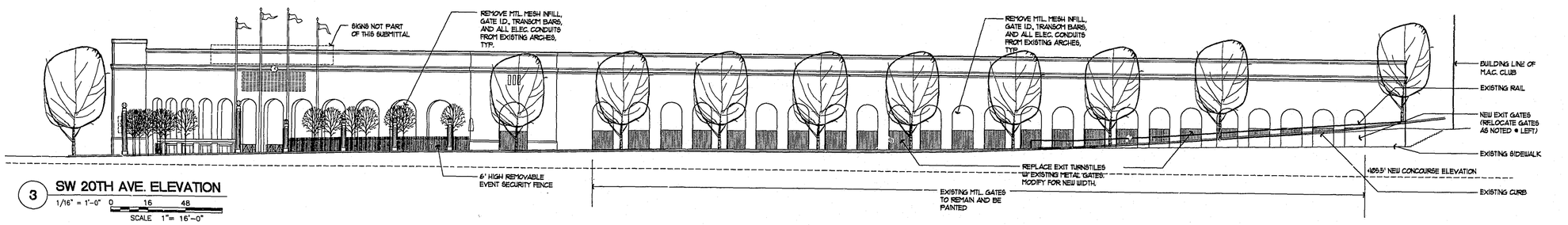
SCALE 1"= 16'-0"



2 SW MORRISON STREET ELEVATION

1/16" = 1'-0" 0 16 48

SCALE 1"= 16'-0"



3 SW 20TH AVE. ELEVATION

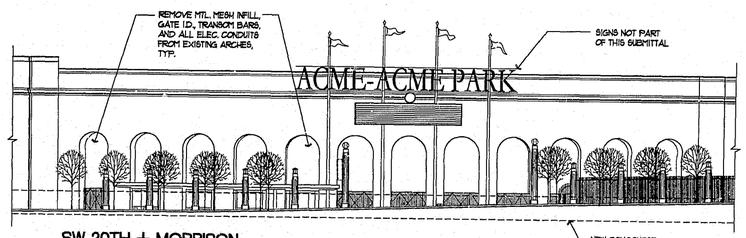
1/16" = 1'-0" 0 16 48

SCALE 1"= 16'-0"

4 SW 18TH + MORRISON PLAZA ELEVATION

1/16" = 1'-0" 0 16 48

SCALE 1"= 16'-0"



5 SW 20TH + MORRISON PLAZA ELEVATION

1/16" = 1'-0" 0 16 48

SCALE 1"= 16'-0"

ALL NOTES REGARDING SIGNS TYPICAL U.O.N.

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
1844 Morrison St.
Portland, OR 97201

Developer
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EXTERIOR ELEVATIONS
@ 18TH & 20TH @ MORRISON

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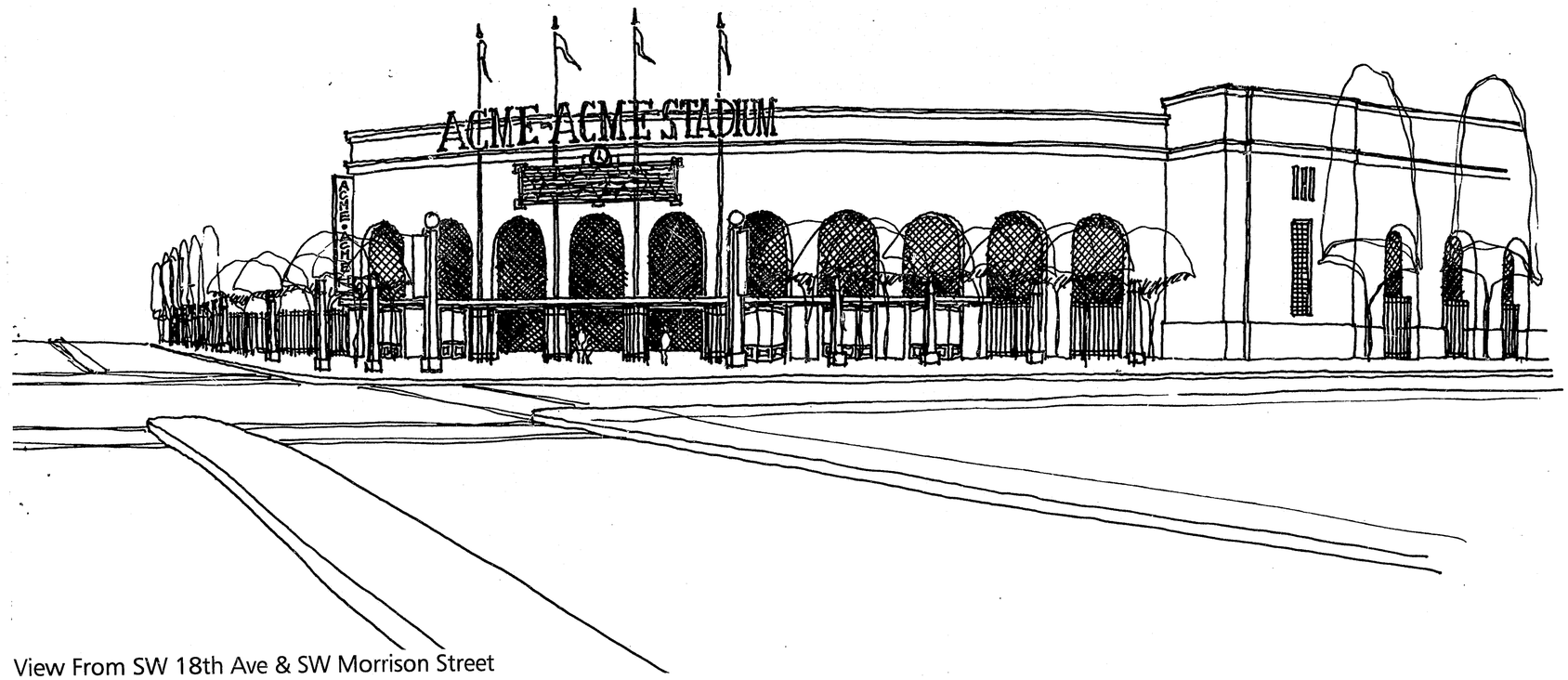
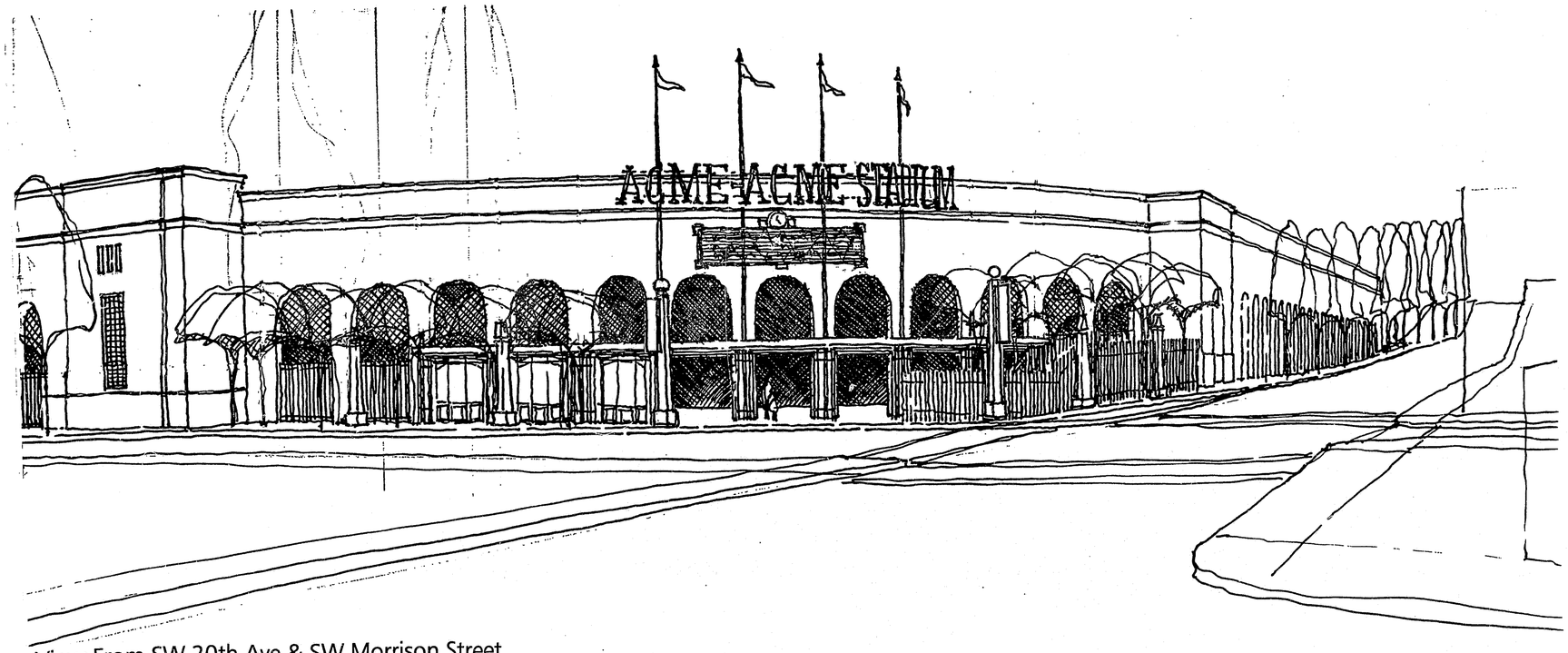


View From SW 18th Ave & SW Morrison Street



View From SW 20th Ave & SW Morrison Street

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Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
1844 Morrison St.
Portland, OR 97201

Developer
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PERSPECTIVES @ 18TH & 20TH

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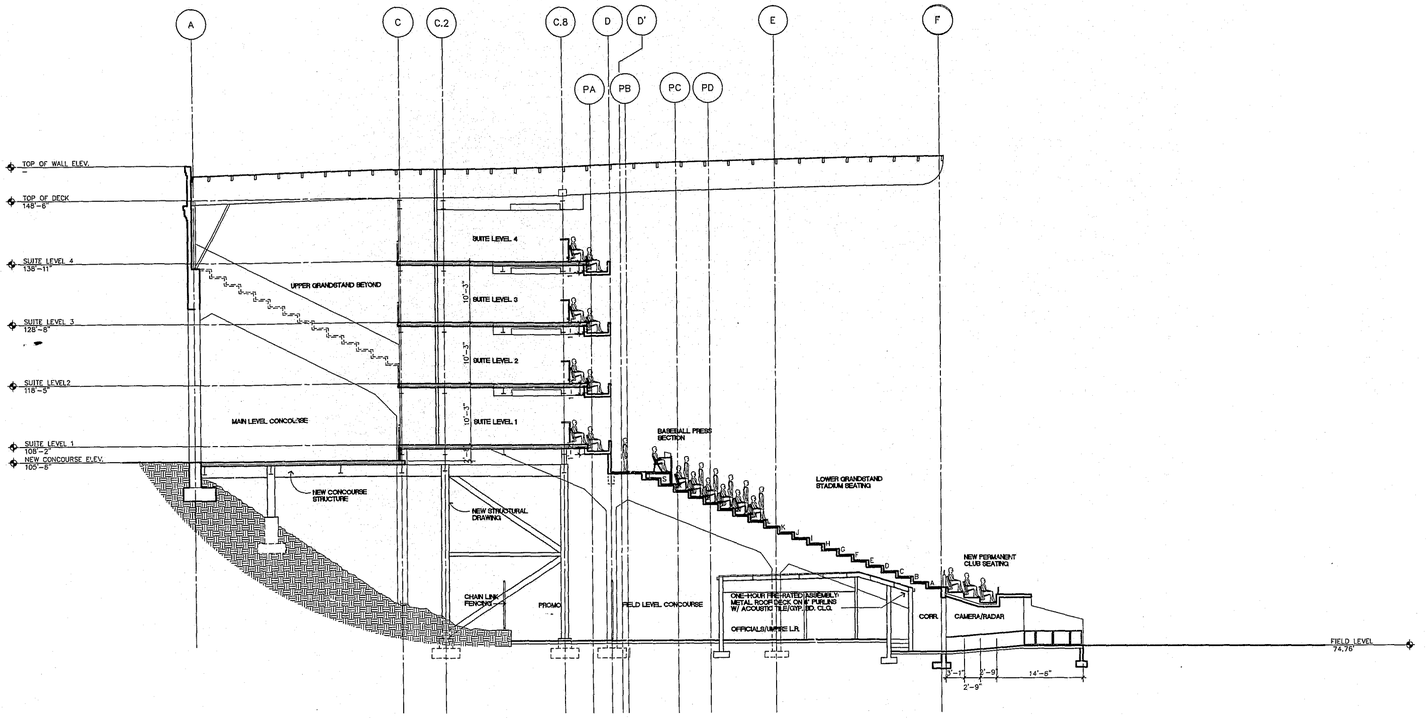

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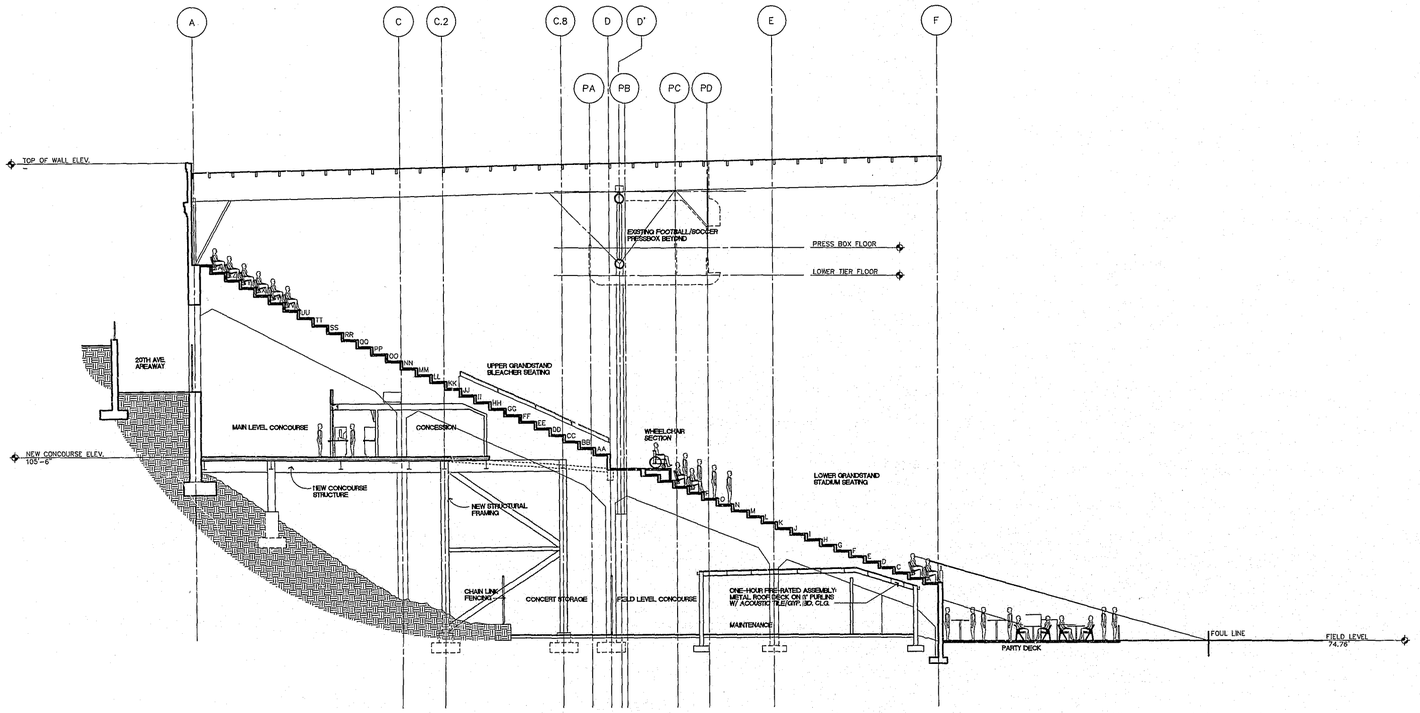

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Revision | Date | No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation Study
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
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Portland, OR 97205
Telephone: 503.944.5700
Facsimile: 503.944.5710

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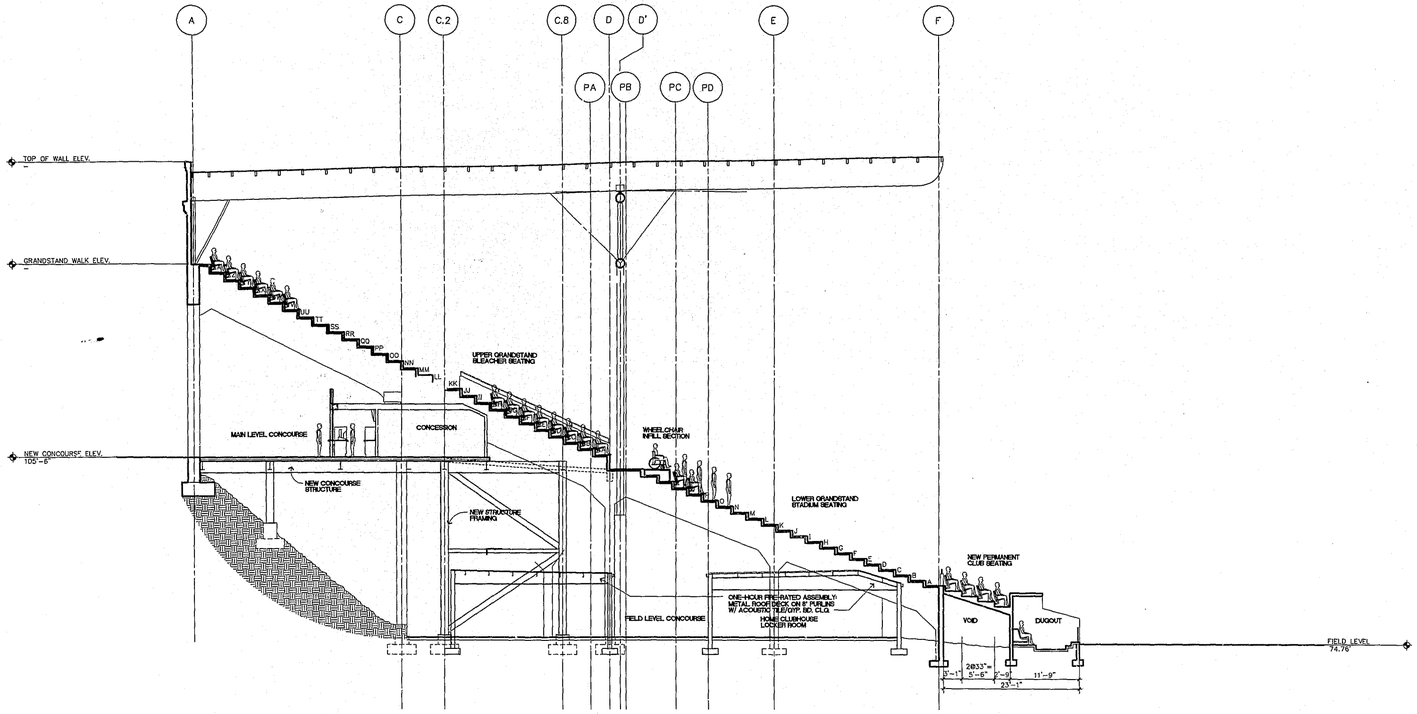

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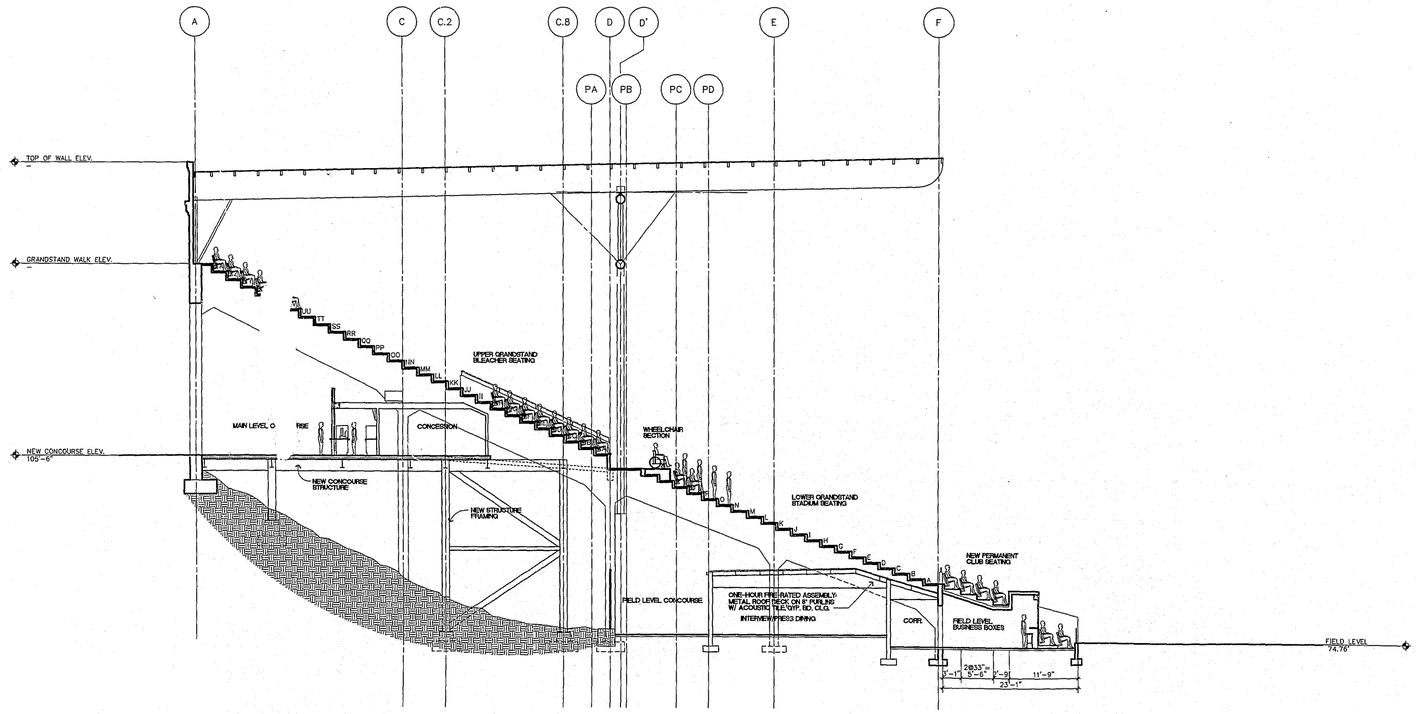

1 SECTION • DUGOUT SUITES
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"ACME - ACME" STADIUM

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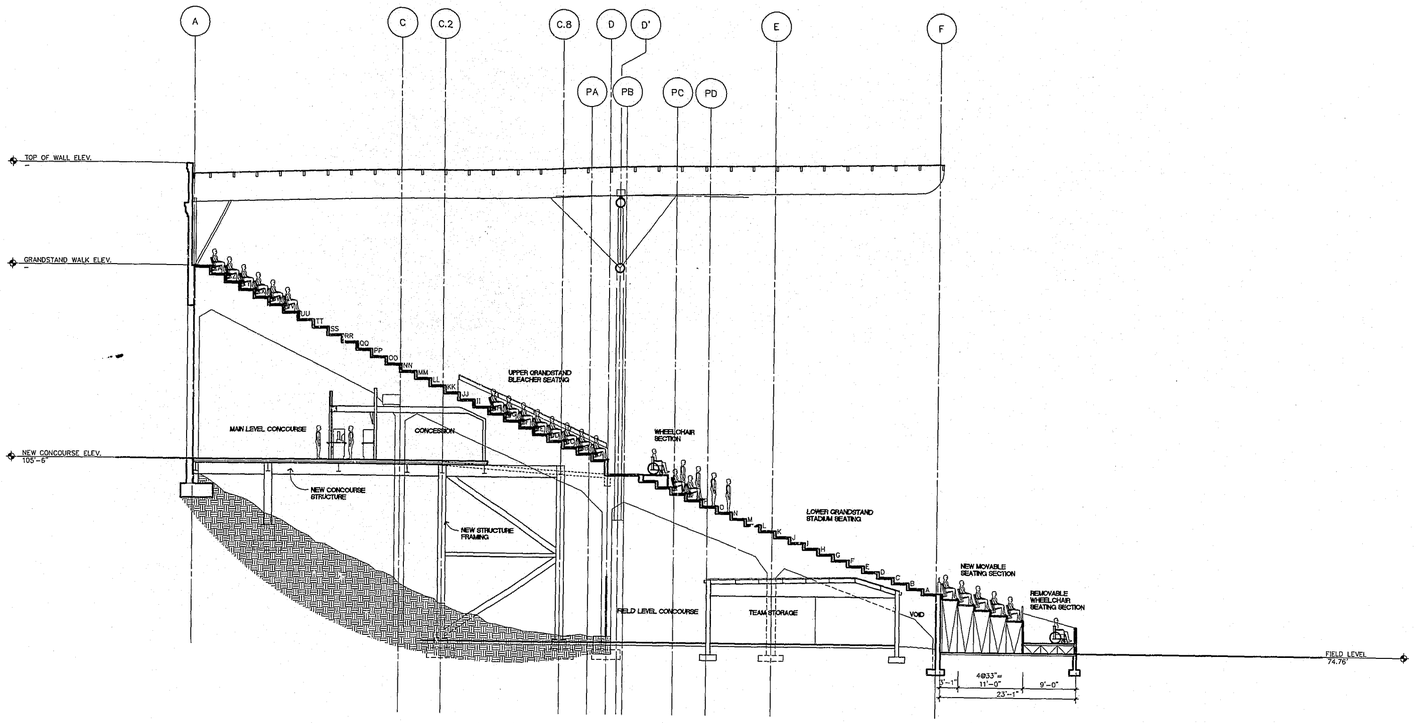

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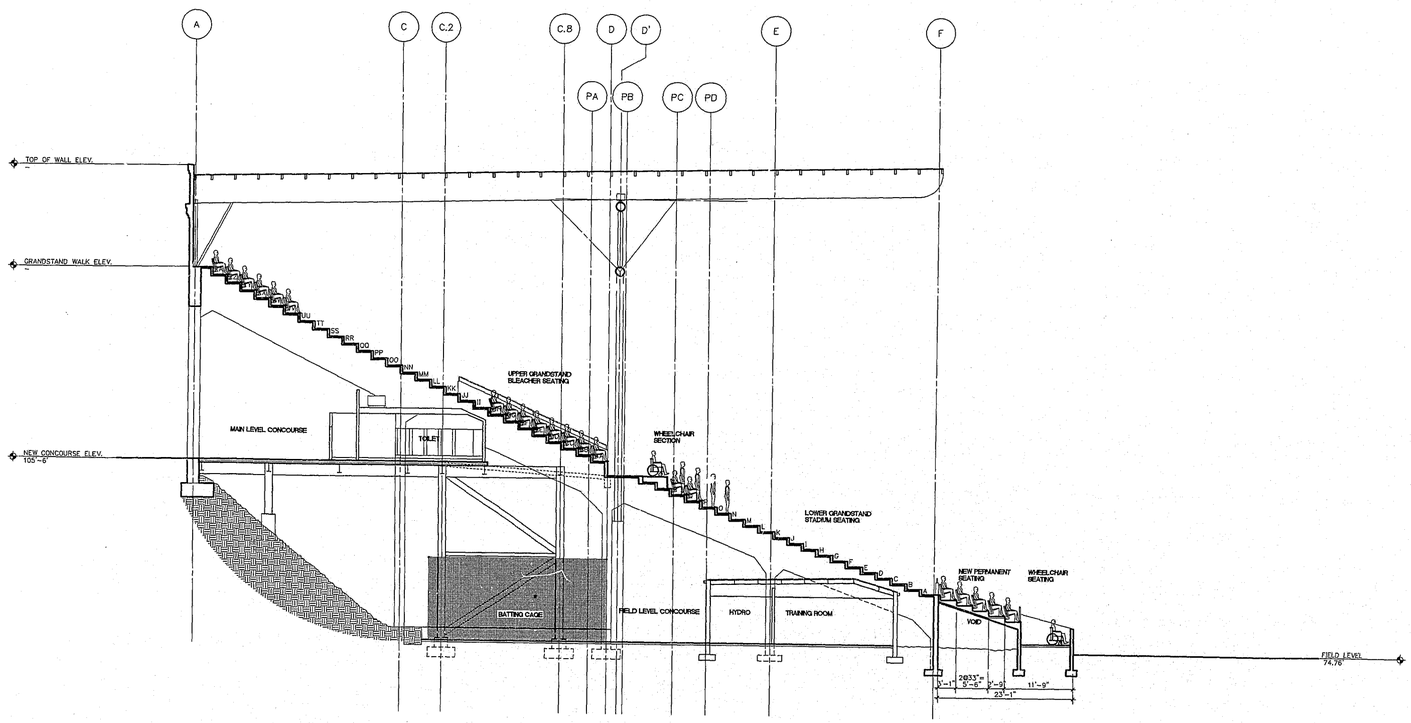

1 SECTION • WHEELCHAIR SEATING
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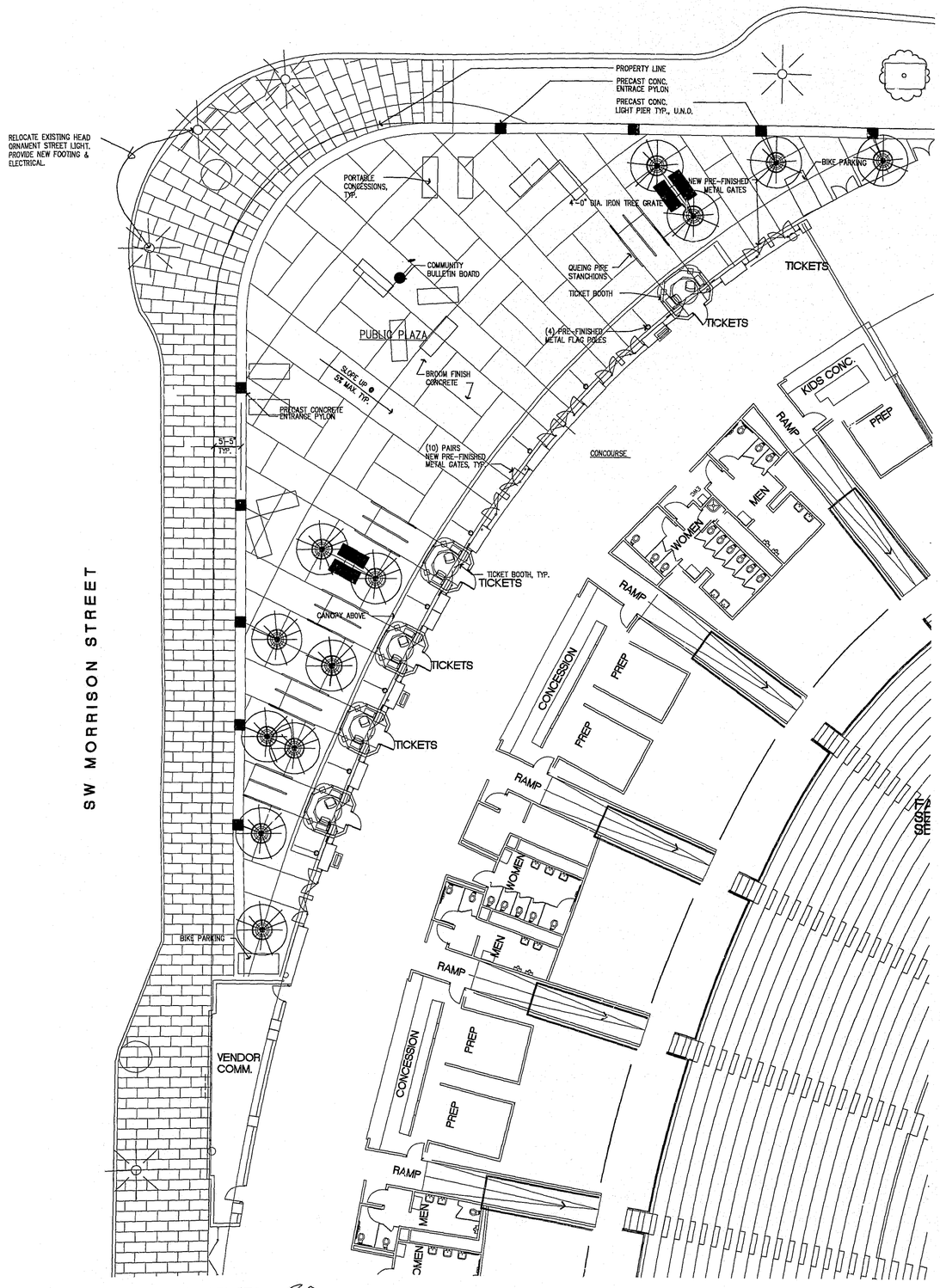

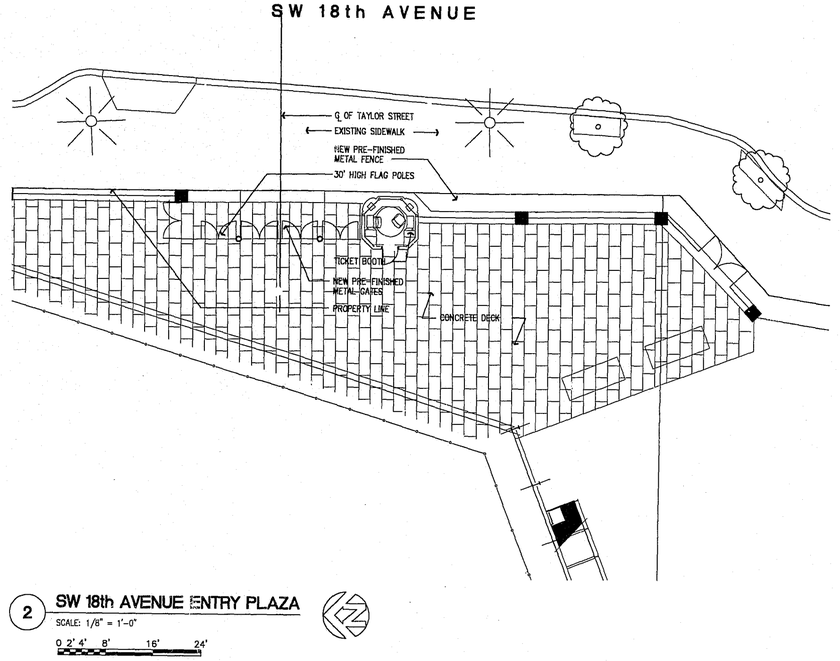

Revision	Date	No.

"ACME - ACME" STADIUM

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Facsimile: 604.232.9845

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Facsimile: 214.821.7408

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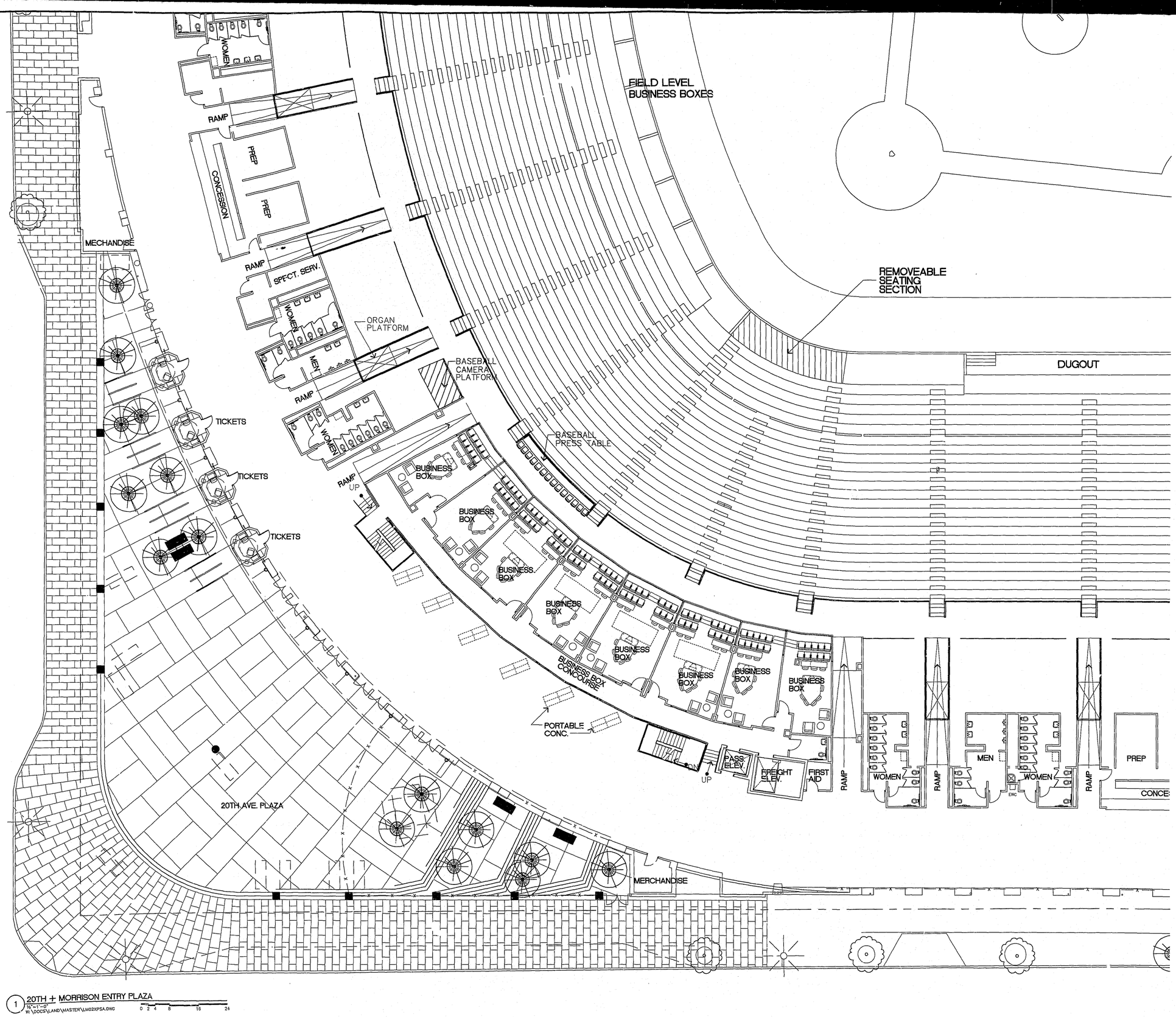

1 20TH + MORRISON ENTRY PLAZA
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"ACME - ACME" STADIUM

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1844 Morrison St.
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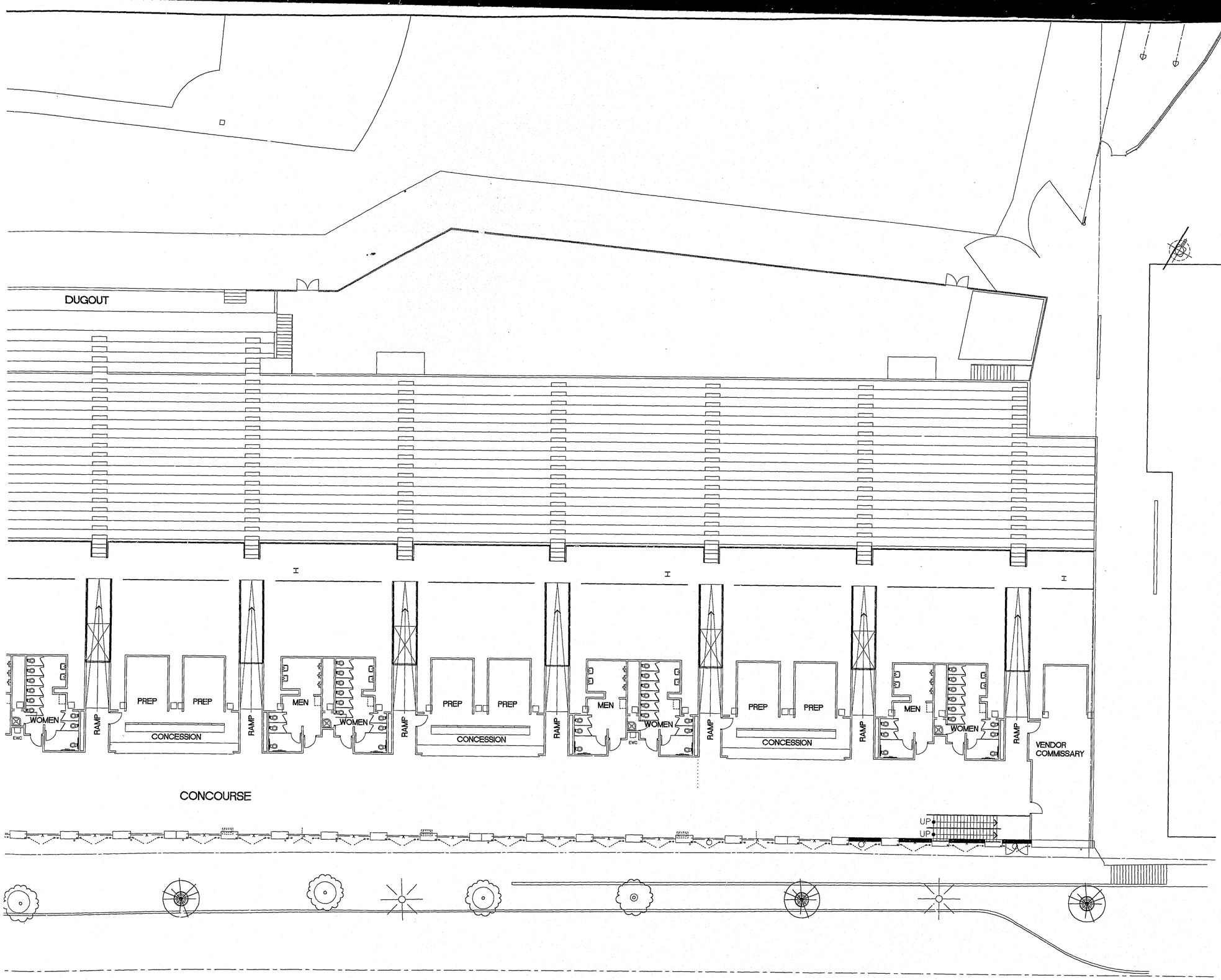

1 20TH + MORRISON PLAZA
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"ACME - ACME" STADIUM

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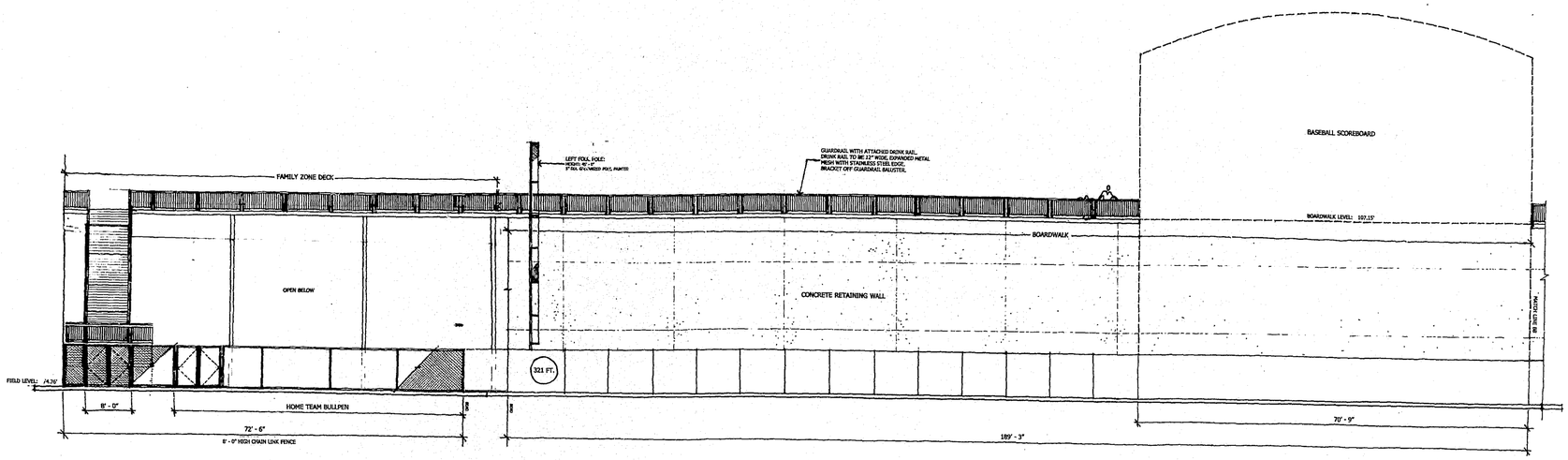
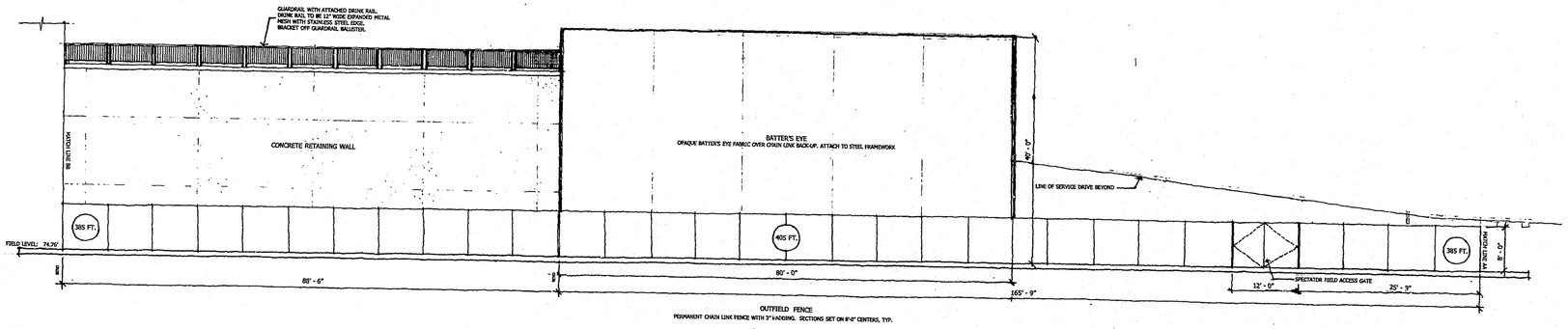
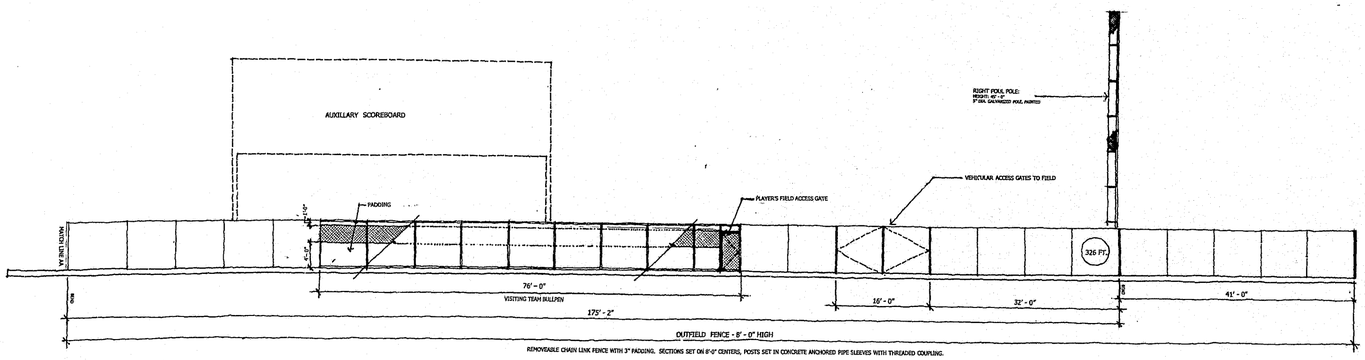


3 ELEVATION @ BASEBALL SCOREBOARD & OUTFIELD FENCE
ALONG LEFT FIELD LOOKING TOWARD BOARDWALK, FAMILY ZONE DECK, & HOME TEAM BULLPEN



OUTFIELD FENCE
PERMANENT CHAIN LINK FENCE WITH 3" PADDING. SECTIONS SET ON 8'-0" CENTERS, TYP.

2 ELEVATION @ OUTFIELD FENCE & BATTER'S EYE



OUTFIELD FENCE - 8' - 0" HIGH
REMOVEABLE CHAIN LINK FENCE WITH 3" PADDING. SECTIONS SET ON 8'-0" CENTERS, POSTS SET IN CONCRETE ANCHORED PIPE SLEEVES WITH THREADED COUPLING.

1 ELEVATION @ OUTFIELD FENCE
@VISITING TEAM BULLPEN & ALONG RIGHT FIELD

Revision	Date	No.

"ACME - ACME" STADIUM

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These Design Development drawings represent the current status of the design process and have been issued for information only. They do not illustrate the complete and total design or scope of work required for construction of the project and are not, under any circumstances, intended to be used by the Contractor or any other person for construction, for preparation of shop drawings or other submittals, or for bidding or awarding subcontracts.

EB Architects
605 West 47th Street
Kansas City, MO 64112-1905
816.561.4443

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DOCUMENT CONTROL

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ELEVATIONS: OUTFIELD FENCE / BATTERS EYE / SCOREBOARD

Scale 1/8"=1'-0"

Date 14 APR 2000 Comm. No.9890.0001.00
In Charge MC FOR INFORMATION ONLY
Drawn By JM SEISMIC/STRUCT. UPGRADES
Checked By SD

A801

APR 4 2003 MICROFILMED
J.T. Zoro 1.3.4.5. APR 4 2003 MICROFILMED

DWG	DEC 10 100% SD	JAN 10 100% DD	STEEL PHASE 1B GRID 1	FEB 25 [illegible]	APR [illegible]	APR 21 50% DD	MAY 19 100% DD	MAY 26 PHASE 1B	JUNE 23 PHASE 1B
S100	•	•	•	•	•	•	•	•	•
S101A	•	•	•	•	•	•	•	•	•
S101B	•	•	•	•	•	•	•	•	•
S101C	•	•	•	•	•	•	•	•	•
S101D	•	•	•	•	•	•	•	•	•
S101E	•	•	•	•	•	•	•	•	•
S102A	•	•	•	•	•	•	•	•	•
S102B	•	•	•	•	•	•	•	•	•
S102C	•	•	•	•	•	•	•	•	•
S102D	•	•	•	•	•	•	•	•	•
S102E	•	•	•	•	•	•	•	•	•
S103C	•	•	•	•	•	•	•	•	•
S104C	•	•	•	•	•	•	•	•	•
S105A	•	•	•	•	•	•	•	•	•
S105B	•	•	•	•	•	•	•	•	•
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S107A	•	•	•	•	•	•	•	•	•
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S107C	•	•	•	•	•	•	•	•	•
S107D	•	•	•	•	•	•	•	•	•
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S108C	•	•	•	•	•	•	•	•	•
S109C	•	•	•	•	•	•	•	•	•
S110C	•	•	•	•	•	•	•	•	•
S301	•	•	•	•	•	•	•	•	•
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SPECIFICATIONS									
SECTIONS									
02260									
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03100									
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05314									
05316									

SCOPE OF WORK

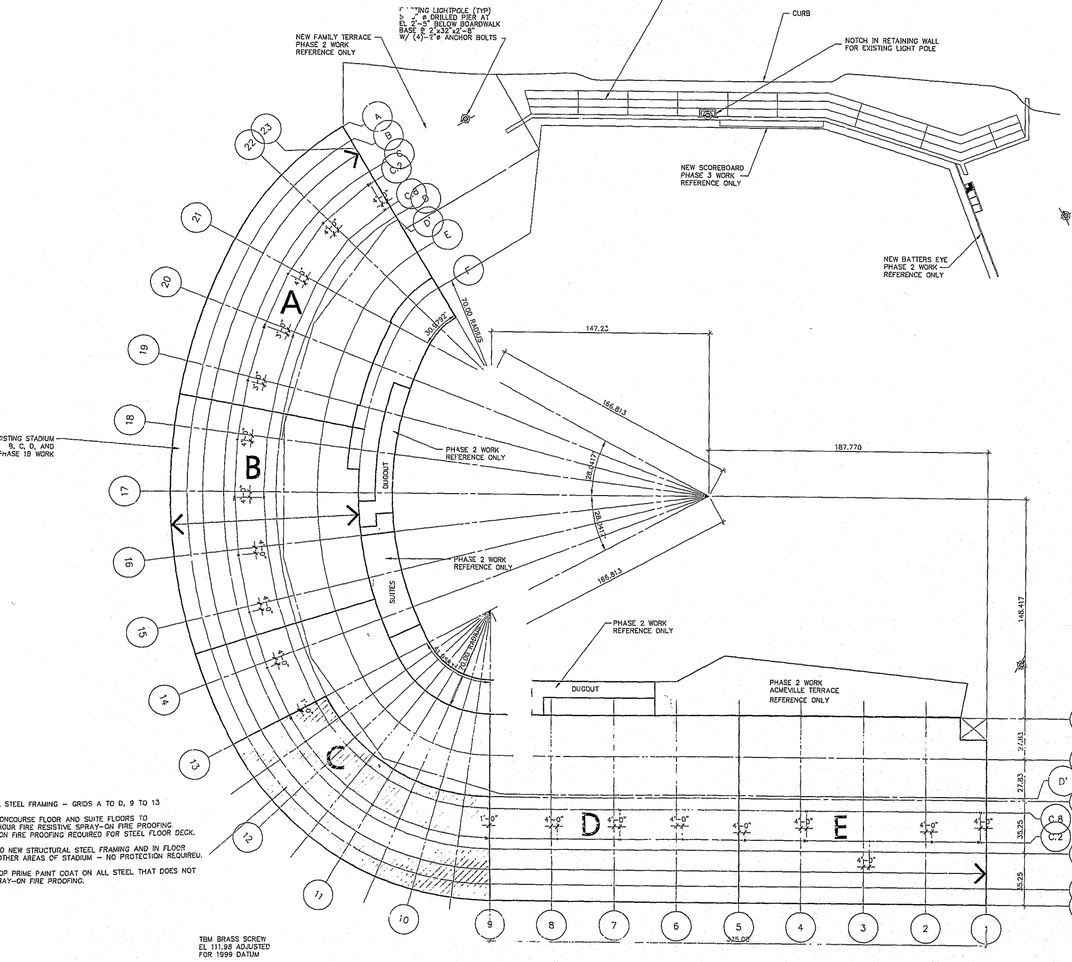
PHASE 1B WORK
INTERIOR STRUCTURAL WORK IN MAIN STADIUM GRID LINES 1 TO 23, GRID LINES A TO F INCLUDING NEW MAIN CONCOURSE FLOOR, SUITES AND TOP SUITE LEVELS 1 TO 4 BETWEEN GRID LINES 9 TO 13, INTO LEVEL SLAB ON GRADE. UNDERPINNING EXISTING FOUNDATIONS, INCLUDING REMOVAL OF EXISTING EXTERIOR STADIUM WALL

PHASE 1B WORK
MICROPILES (PIN PILES)

PHASE 1B WORK
PERMANENT SHORED EARTH RETENTION GRID LINE 2 [illegible]

PHASE 1A WORK PREVIOUSLY ISSUED
STRUCTURAL DEMOLITION WORK OF EXISTING STADIUM ELEMENTS IN PREPARATION FOR PHASE 1B WORK

PHASE 2 WORK – FUTURE PERMIT



STRUCTURAL STEEL FRAMING – GRIDS A TO D, 9 TO 13

FOR MAIN CONCOURSE FLOOR AND SUITE FLOORS TO RECEIVE 2 HOUR FIRE RESISTIVE SPRAY–ON FIRE PROOFING NO SPRAY–ON FIRE PROOFING REQUIRED FOR STEEL FLOOR DECK.

EXISTING AND NEW STRUCTURAL STEEL FRAMING AND IN FLOOR DECK AND OTHER AREAS OF STADIUM – NO PROTECTION REQUIRED.

PROVIDE SHOP PRIME PAINT COAT ON ALL STEEL THAT DOES NOT RECEIVE SPRAY–ON FIRE PROOFING.

TBM BRASS SCREW EL 111.88 ADJUSTED FOR 1999 DATUM

EXISTING STADIUM CROSS AISLE TO BE ESTABLISHED AS DESIGN AND CONSTRUCTION DATUM ELEVATION 103.00

LIST OF STRUCTURAL DRAWINGS INDICATE WORK FOR PHASE 1B PERMIT ONLY. ALL OTHER INDICATED WORK IS FOR REFERENCE ONLY.

GENERAL NOTES – PHASE 1B WORK

DESIGN DATA

1.01 BUILDING CODES
A. STATE OF OREGON, 1998 EDITION, STRUCTURAL SPECIALTY CODE

1.02 EXISTING STADIUM STRUCTURAL ELEMENTS
A. FEMA 273 NEHRP GUIDELINES FOR THE SEISMIC REHABILITATION OF BUILDINGS.
B. FEMA 310 HANDBOOK FOR THE SEISMIC EVALUATION OF BUILDINGS – A PRESTANDARD.

1.03 DESIGN CODES
A. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, 9TH EDITION.
B. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN, 2ND EDITION.
C. AMERICAN WELDING SOCIETY (AWS), 1996 STRUCTURAL WELDING CODE, STEEL.
D. AISC SPECIFICATION FOR THE DESIGN OF STEEL HOLLOW STRUCTURAL SECTIONS, APRIL 15, 1997.
E. AISC HOLLOW STRUCTURAL SECTIONS, CONNECTIONS MANUAL.
F. AMERICAN CONCRETE INSTITUTE (ACI) ACI–318–99, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
G. AMERICAN IRON AND STEEL INSTITUTE (AISI), SPECIFICATION FOR THE DESIGN OF COLD–FORMED STEEL STRUCTURAL MEMBERS.
H. AMERICAN CONCRETE INSTITUTE (ACI) ACI–530 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES.

1.04 DESIGN LOADS
A. GRAVITY LIVE LOADS
1. MAIN CONCOURSE FLOOR – 100 PSF
2. SUITE FLOORS – 100 PSF
3. FIXED SEATING AREAS – 50 PSF
4. STAIRS – 50 PSF
B. EARTHQUAKE LOADS
1. SEISMIC ZONE 2 Z=0.30
2. SOIL PROFILE SE
3. IMPORTANCE FACTOR I=1.0
4. NUMERICAL COEFFICIENT R=4.5
5. SEISMIC COEFFICIENT Cv=0.36
6. SEISMIC COEFFICIENT Cv=0.84
C. WIND LOADS
1. BASIC WIND SPEED = 80 MPH
2. IMPORTANCE FACTOR Iw=1.0
3. EXPOSURE B

1.05 CONSTRUCTION TYPE – FIRE RESISTIVE REQUIREMENTS
A. STADIUM SEATING WITH MAIN CONCOURSE FLOOR (SEE NOTE A)
AREA A GRIDS A TO F } TYPE II–N STRUCTURAL FRAME
AREA B GRIDS 7 TO F } FLOOR } NO GENERAL REQUIREMENTS
AREA C GRIDS U TO F } ROOF } FOR FIRE RESISTANCE
AREA D GRIDS A TO F
AREA E GRIDS A TO F
B. SUITES – AREA C GRIDS A TO D, 9 TO 13
TYPE II–FR
STRUCTURAL FRAME 2 HOUR
FLOOR 2 HOUR
ROOF 2 HOUR

NOTE A: TYPE II–N CONSTRUCTION WITH NO GENERAL REQUIREMENTS FOR FIRE RESISTANCE CONTINGENT ON ADMINISTRATIVE APPEAL ACTION SUBMITTAL TO THE CITY OF PORTLAND. THIS WILL BE CONSIDERED AT A FUTURE DATE.

FOUNDATIONS

2.01 GEOTECHNICAL REPORT
A. GEOTECHNICAL REPORT PREPARED BY GEOTECHNICAL RESOURCES, INC. DATED DECEMBER 21, 1999 IS FOR INFORMATION PURPOSES ONLY. DO NOT CONSIDER AS PART OF CONTRACT DOCUMENTS, NO WARRANTY TO COMPLETENESS AND ACCURACY OF SUBSURFACE INVESTIGATION DATA, SOIL TEST DATA, STATEMENTS AND INTERPRETATIONS GIVEN.
B. GROUNDWATER WAS ENCOUNTERED AT DEPTHS OF APPROXIMATELY 60 FEET BELOW FIELD LEVEL. WATER LEVELS ARE SUBJECT TO SEASONAL CHANGES. GROUNDWATER WITHDRAWAL AND RECHARGE, AND LOCAL IRRIGATION PRACTICES. INSTALL AND OPERATE DEWATERING SYSTEM OF SUFFICIENT CAPACITY TO MAINTAIN CONSTRUCTION AREA FREE OF WATER.
C. GEOTECHNICAL ENGINEER SHALL VERIFY THAT ALL FOUNDATION SUBGRADES COMPLY WITH GEOTECHNICAL REPORT RECOMMENDATIONS.
D. COORDINATE ALL FOUNDATION WORK WITH UNDERGROUND UTILITIES PRIOR TO INSTALLATION. UTILITIES ARE NOT PERMITTED HORIZONTALLY IN FOOTINGS.

2.02 PILING
A. CAPACITY OF PILES WAS DETERMINED BY FIELD EXPLORATION AND LABORATORY ANALYSIS. FOUNDATION DESIGN BASED ON PIN PILES AS SPECIFIED IN SPECIFICATION SECTION 02368 AND AS INDICATED ON DRAWINGS.

CONCRETE

3.01 CONCRETE MIXES

CLASS	STRENGTH AT 28 DAYS	TYPE MIX	LOCATION
A	3000	STD–WT	PILE CAPS
B	4000	STD–WT	SLAB ON GRADE AND TIE BEAMS
C	4000	STD–WT	SLAB ON STEEL FLOOR DECK
D	4000	STD–WT	CAST–IN–PLACE WALLS AND SHOTCRETE

3.02 CONCRETE REINFORCING
A. REFERENCE STANDARDS
1. REINFORCING BARS, ASTM A615, FY = 60 KSI
2. REINFORCING BARS WELDED, ASTM A706, FY = 60 KSI
B. REINFORCING STEEL: FABRICATE REINFORCEMENT AND FURNISH ACCESSORIES, CHAIRS, SPACER BARS AND SUPPORTS NECESSARY TO SECURE REINFORCEMENT.
1. REINFORCEMENT FOR SLAB–ON–GRADE SHALL BE SUPPORTED AT HEIGHT SPECIFIED BY SLAB BOLSTERS OR PRE CAST CONCRETE BLOCKS. THE PLACEMENT OF REINFORCING BY THE "STRIKE–OFF" METHOD OR BY LIFTING UP AFTER PLACEMENT OF CONCRETE IS NOT PERMITTED.
3.03 CONCRETE COVERAGE FOR REINFORCING STEEL
A. FOOTINGS 3 INCHES TO BOTTOM, 2 INCHES TO SIDES AND TOP.
B. SLAB–ON–GRADE MID DEPTH OF SLAB.
C. WALLS 2 INCHES TO OUTSIDE, 1½ INCHES TO INSIDE.
D. SLABS 1½ INCHES TOP AND BOTTOM.
E. BEAMS 1½ INCHES TO STIRRUPS.
F. COLUMNS 1½ INCHES TO TIES.
3.04 CONCRETE FORMWORK
A. THE DESIGN, CONSTRUCTION AND SAFETY OF ALL FORMWORK IS THE RESPONSIBILITY OF THE CONTRACTOR.
B. REFER TO THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ALL FINISH TREATMENTS (NOT SHOWN ON STRUCTURAL DRAWINGS).
3.05 CONCRETE OPENINGS AND INSERTS
A. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS AND TO VERIFY SIZE AND LOCATION OF INDICATED OPENINGS AND EMBEDS.
B. WALLS AND SLABS MAY BE CORE DRILLED ONLY AS DETAILED OR AS APPROVED BY THE ENGINEER. VERIFY LOCATION OF REINFORCING BEFORE CORE DRILLING AND MINIMIZE NUMBER OF REINFORCING BARS TO BE CUT.
C. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING ALL PENETRATIONS SLEEVED AND CORE DRILLED.
3.06 CONSTRUCTION JOINTS
A. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING THE PROPOSED CONSTRUCTION JOINTS FOR ALL CONCRETE, INCLUDING WALLS, STRUCTURAL FLOOR SYSTEMS, SLABS ON GRADE, ETC., TO THE ARCHITECT / ENGINEER FOR REVIEW PRIOR TO PLACING ANY CONCRETE.
B. CONSTRUCTION JOINTS SHALL BE MADE AS DETAILED ON THE DRAWINGS.
3.07 SLAB–ON–GRADE FLOOR SYSTEM
A. DEPRESS SLABS W=2RE INDICATED. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.
B. REFER TO ARCHITECTURAL ROOM FINISH SCHEDULE FOR FLOOR FINISHES.
C. REFER TO CIVIL DRAWINGS AND SPECIFICATIONS FOR SUBGRADE MATERIAL AND MOISTURE BARRIER.

CONCRETE MASONRY - PHASE 2 WORK

4.01 MATERIAL PROPERTIES
A. CONCRETE MASONRY STRENGTH: F'M = 1500 PSI
B. CONCRETE BLOCK: HOLLOW, LOAD BEARING UNITS CONFORMING TO ASTM C90, GRADE N, TYPE 1.
C. MORTAR: ASTM C270, TYPE M OR TYPE S.
D. GROUT: ASTM C476.
E. REINFORCING STEEL: ASTM A615, FY = 60 KSI
4.02 EXECUTION
A. GROUT SOLID CELLS CONTAINING REINFORCING AND OTHER WALLS AS INDICATED.
B. LINTELS AND BOND BEAMS: FILL WITH 3500 PSI GROUT. REFER TO MASONRY SPECIFICATIONS.
C. WALL REINFORCING: VERTICAL & HORIZONTAL REINFORCING AT BLOCK WALLS NOTED ON STRUCTURAL AND/OR ARCHITECTURAL DRAWINGS. PLACE REINFORCING BARS AT WALL CENTERLINE UNLESS OTHERWISE NOTED. REFER TO DRAWINGS AND SPECIFICATIONS FOR HORIZONTAL JOINT REINFORCING.

PHASE 2 WORK

STEEL

5.01 STRUCTURAL STEEL
A. REFERENCE STANDARD: AISC "MANUAL STEEL CONSTRUCTION" UNLESS NOTED OTHERWISE.
B. MATERIAL PROPERTIES:

		FY (KSI)	ASTM
1.	STRUCTURAL SHAPES, PLATES, ETC.	50	ASTM A572, GRADE 50
2.	HIGH STRENGTH BOLTS, UNO	74	A325
3.	ANCHOR BOLTS (TENSILE STRENGTH)	60	A307
4.	WELDING ELECTRODES	E70XX	A233
5.	DECK WELDING ELECTRODES	E70XX	A233
6.	STRUCTURAL TUBE (ROUND & RECTANGULAR)	46	A500, GRADE B
7.	PIPE	35	A53, GRADE B
8.	HEADED STUDS	50	A108

C. CONNECTIONS:
1. FOR TYPICAL BEAM GRAVITY SHEAR REACTIONS SEE BEAM SHEAR TAB CONNECTION SCHEDULE ON SHEET S601

5.02 STEEL FLOOR DECK CONSTRUCTION
A. REFERENCE: COMPLY WITH STEEL DECK INSTITUTE "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS, AND ROOF DECKS" UNLESS OTHERWISE INDICATED.
B. 18 GAUGE GALVANIZED STEEL, BOND DECK ACTING COMPOSITELY WITH 4½" OF CONCRETE FOR TOTAL SLAB THICKNESS OF 7½ INCHES, UNLESS OTHERWISE INDICATED. THIS TOTAL SLAB THICKNESS IS REQUIRED MINIMUM.
C. SHEAR CONNECTORS: ¾ INCH DIAMETER BY 6 INCHES MIN. INSTALLED LENGTH.

5.03 STEEL ROOF DECK
A. REFERENCE: COMPLY WITH STEEL DECK INSTITUTE "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS" UNLESS OTHERWISE INDICATED.
B. 3" 22 GAUGE, WIDE RIB DECK TYPE WR GALVANIZED.

7.01 SPECIAL INSPECTIONS – CHAPTER 17, STRUCTURAL SPECIALTY CODE
A. STRUCTURAL STEEL
1. PERIODIC INSPECTION FOR STRUCTURAL STEEL MEMBERS FOR MEMBER SIZE, CONFIGURATION, AND ORIENTATION FOR CONFORMANCE WITH APPROVED PLANS, SPECIFICATIONS AND APPROVED SHOP DRAWINGS.
2. PERIODIC INSPECTION FOR BOLTED CONNECTIONS IN CONFORMANCE WITH UBC CHAPTER 22, DIVISION IV AND SECTION 05120.
3. CONTINUOUS INSPECTION FOR WELDING OF ANY MEMBER OR CONNECTION FOR CONFORMANCE WITH APPROVED PLANS AND SECTION 05120.
a. VISUALLY INSPECT 100% OF ALL FILLET WELDS FOR SIZE, LENGTH, AND QUALITY PER AWS D1.1
b. TEST 100% OF ALL FULL AND PARTIAL PENETRATION WELDS EXCEEDING ¾ INCH, USING ULTRASONIC TESTING OR RADIOGRAPHY PER AWS D1.1 TEST 25% OF FULL AND PARTIAL PENETRATION WELDS LESS THAN ¾ INCH, USING MAGNETIC PARTICLE TESTING PER ASTM E–709, PERFORMED ON ROOT PASS AND ON FINISHED WELD.
B. STEEL FLOOR DECK
1. PERIODIC INSPECTION FOR PLACEMENT OF STEEL FLOOR DECK FOR DECK DEPTH AND GAUGE THICKNESS.
2. PERIODIC INSPECTION FOR PLACEMENT OF STEEL WELDED SHEAR STUDS FOR QUANTITY AND SPACING IN CONFORMANCE WITH APPROVED PLANS.
3. CONTINUOUS INSPECTION FOR PRE–PRODUCTION TESTING FOR WELDED SHEAR STUDS (BENDING OF STUD) IN CONFORMANCE WITH AWS D1.1.
C. STEEL ROOF DECK
1. PERIODIC INSPECTION FOR PLACEMENT OF STEEL ROOF DECK FOR DECK DEPTH AND GAUGE THICKNESS.
2. PERIODIC INSPECTION FOR STEEL DECK WELDING TO SUPPORTING STRUCTURAL STEEL FRAMING.
D. CONCRETE EXPANSION ANCHORS
1. VERIFY ANCHOR DIAMETER, DEPTH OF EMBEDMENT, SPACING, EDGE DISTANCE, AND TIGHTENING TORQUE.
E. FOUNDATIONS
1. VERIFY PILE DRIVING FOR PILE SPACING, LENGTH DRIVEN AND LOAD CAPACITY.
2. PILE TESTING (PROOF TESTING) AND GROUT TESTING FOR CONFORMANCE TO SECTION 02368.
F. CAST–IN–PLACE CONCRETE
1. VERIF. FORMWORK FOR PROPER DIMENSIONS.
2. VERIFY PLACEMENT OF REINFORCING STEEL FOR QUANTITY, SIZE, SPACING AND COVER FOR CONFORMANCE WITH APPROVED PLANS AND SPECIFICATIONS.
3. PERIODIC INSPECTION OF PLACEMENT OF CONCRETE.
4. REVIEW CONCRETE TESTING FOR CONFORMANCE TO SECTION 03300.
G. CONCRETE MASONRY
1. PERIODIC INSPECTION AT THE START OF LAYING UNITS.
2. CONTINUOUS INSPECTION FOR PLACEMENT OF REINFORCING STEEL AND GROUTING OPERATIONS FOR CONFORMANCE WITH APPROVED PLANS AND SPECIFICATIONS.
3. CONTINUOUS INSPECTION FOR PREPARATION AND TAKING OF REQUIRED PRISMS OR TESTING SPECIMENS.
H. ANCHOR BOLTS
1. VERIFY ANCHOR BOLT DIAMETER, EMBEDMENT LENGTH, SPACING, EDGE DISTANCES, TIGHTENING TORQUE AND GROUTING OF BASE PLATES.

PHASE 2 WORK

8.01 NEW WORK IN CONJUNCTION WITH EXISTING CONSTRUCTION.
A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND COORDINATING ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH THOSE SHOWN ON THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. IF ERRORS OR DISCREPANCIES OCCUR, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BRING THE DISCREPANCY TO THE ATTENTION OF THE ARCHITECT / ENGINEER BEFORE PROCEEDING WITH THE WORK.
B. THE CONTRACT DRAWINGS, STRUCTURAL GENERAL NOTES, AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OR SEQUENCE OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, AND/OR SHORING FOR LOADS AND CONDITIONS WHICH MAY OCCUR PRIOR TO ATTAINING DESIGN STRENGTH OR COMPLETION OF THE STRUCTURE.
C. WHERE ANY DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, STRUCTURAL GENERAL NOTES AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN.
D. DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
8.02 OPENINGS
A. COORDINATE ALL OPENING SIZES, REGARDLESS OF WHETHER THEY ARE INDICATED ON STRUCTURAL DRAWINGS, WITH DOCUMENTS OF ALL OTHER DISCIPLINES. SOME OPENING SIZES AND LOCATIONS INDICATED ARE BASED ON SINGLE SOURCE SYSTEMS. ACTUAL SYSTEMS SELECTED MAY ALTER OPENING SIZES AND LOCATIONS. PRIOR TO SUBMISSION OF FRAMING LAYOUTS AND REINFORCING SHOP DRAWINGS, COORDINATE ALL OPENINGS WITH RESPECTIVE CONTRACTOR. SHOP DRAWINGS SUBMITTED WITHOUT THIS COORDINATION WILL BE RETURNED WITHOUT REVIEW.
8.03 EXPANSION BOLTS
A. ALLOWABLE SHEAR AND TENSION VALUES FOR EXPANSION BOLTS SHALL MEET OR EXCEED THOSE PUBLISHED FOR HILTI KWIK–BOLT II IN ICBO REPORT NO. 4627. ALLOWABLE VALUES FOR ALTERNATE BOLTS SHALL BE ESTABLISHED BY INDEPENDENT TESTING AGENCY ACCEPTABLE TO ARCHITECT / ENGINEER.
B. INSTALL AS INDICATED AND IN CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS. FURNISH ARCHITECT / ENGINEER WITH BOLT SPECIFICATION FOR REVIEW BEFORE INSTALLATION.

LIST OF STRUCTURAL DRAWINGS

S100 GEOMETRY PLAN
S101A FOUNDATION AND FIELD LEVEL PLAN – AREA A
S101B FOUNDATION AND FIELD LEVEL PLAN – AREA B
S101C FOUNDATION AND FIELD LEVEL PLAN – AREA C
S101D FOUNDATION AND FIELD LEVEL PLAN – AREA D
S101E FOUNDATION AND FIELD LEVEL PLAN – AREA E
S102A MAIN CONCOURSE/SUITE 1 LEVEL FRAMING PLAN – AREA A
S102B MAIN CONCOURSE/SUITE 1 LEVEL FRAMING PLAN – AREA B
S102C MAIN CONCOURSE/SUITE 1 LEVEL FRAMING PLAN – AREA C
S102D MAIN CONCOURSE/SUITE 1 LEVEL FRAMING PLAN – AREA D
S102E MAIN CONCOURSE/SUITE 1 LEVEL FRAMING PLAN – AREA E
S103C CLUB/SUITE 2 LEVEL FRAMING PLAN – AREA C
S104C SUITE 3 LEVEL FRAMING PLAN – AREA C
S105A PRESS/SUITE 4 LEVEL FRAMING PLAN – AREA A
S105B PRESS/SUITE 4 LEVEL FRAMING PLAN – AREA B
S105C PRESS/SUITE 4 LEVEL FRAMING PLAN – AREA C
S105D PRESS/SUITE 4 LEVEL FRAMING PLAN – AREA D
S105E PRESS/SUITE 4 LEVEL FRAMING PLAN – AREA E
S106A ROOF FRAMING PLAN – AREA A
S106B ROOF FRAMING PLAN – AREA B
S106C ROOF FRAMING PLAN – AREA C
S106D ROOF FRAMING PLAN – AREA D
S106E ROOF FRAMING PLAN – AREA E
S107A MAIN CONCOURSE/SUITE 1 LEVEL SLAB REINFORCING PLAN – AREA A
S107B MAIN CONCOURSE/SUITE 1 LEVEL SLAB REINFORCING PLAN – AREA B
S107C MAIN CONCOURSE/SUITE 1 LEVEL SLAB REINFORCING PLAN – AREA C
S107D MAIN CONCOURSE/SUITE 1 LEVEL SLAB REINFORCING PLAN – AREA D
S107E MAIN CONCOURSE/SUITE 1 LEVEL SLAB REINFORCING PLAN – AREA E
S108C CLUB/SUITE 2 LEVEL SLAB REINFORCING PLAN – AREA C
S109C SUITE 3 LEVEL SLAB REINFORCING PLAN – AREA C
S110C PRESS/SUITE 4 LEVEL SLAB REINFORCING PLAN – AREA C
S301 STADIUM SECTIONS
S302 STADIUM SECTIONS – PHASE 2 WORK
S303 COLUMN/FOOTING DATA
S304 STADIUM SECTIONS – PHASE 2 WORK
S305 STADIUM SECTIONS
S306 PERMANENT SHORED EARTH RETENTION
S500 SECTIONS
S502 PARTIAL PLAN – FAMILY TERRACE FIELD LEVEL
S503 PARTIAL PLAN – FAMILY TERRACE MAIN CONCOURSE LEVEL
S504 CONCESSION/TOILET – CMU WALL SECTIONS
S601 SECTIONS AND DETAILS
S611 SECTIONS AND DETAILS
S612 SECTIONS AND DETAILS
S613 SECTIONS AND DETAILS
S614 SECTIONS AND DETAILS
S615 SECTIONS AND DETAILS
S616 SECTIONS AND DETAILS
S617 SECTIONS AND DETAILS
S618 SECTIONS AND DETAILS

PHASE 2 WORK

LIST OF STRUCTURAL SPECIFICATIONS

SECTION 02260 PIN PILES — PHASE 1C
SECTION 02300 EARTHWORK
SECTION 02368 PIN PILES
SECTION 03100 CONCRETE FORMWORK
SECTION 03200 CONCRETE REINFORCEMENT
SECTION 03300 CAST IN PLACE CONCRETE
SECTION 03375 SHOTCRETE
SECTION 05120 STRUCTURAL STEEL
SECTION 05314 STEEL FLOOR DECK
SECTION 05316 STEEL ROOF DECK

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SHEET DESCRIPTION

SHEET S100 INDICATES EXISTING STADIUM GEOMETRY PLAN. NEW STRUCTURAL STEEL FRAMING IS BENCH MARKED FROM EXISTING STADIUM GRID SYSTEM.

Revision

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
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Facsimile: 504.764.0993

EXPIRES: 12-31-2000
STRUCTURAL ENGINEER
14719
OREGON
B. RICHARD WAITE
B. Richard Waite
SEP 13, 2000

← NORTH →

EB Architects

605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

City of Portland
APPROVED
SEP 19 2000
Permit Number

9 2000
EB Architects

GEOMETRY PLAN

Scale 1/32"=1'-0"

Date 06 SEPT 2000 — Comm. No.9890.0001.00
In Charge BRW — PHASE 1B
Drawn By ADC
Checked By BRW

S100

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T.O. 1.3.5. T-ERO

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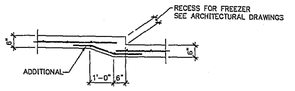
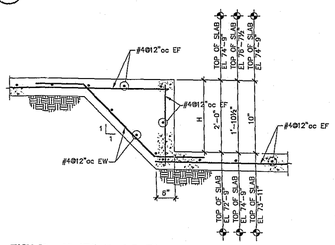
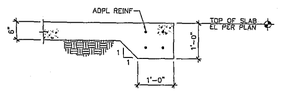
NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR ALL FREEZER SLAB RECESS LOCATIONS



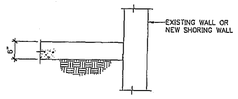
1 S101A TYPICAL FREEZER RECESS DETAIL



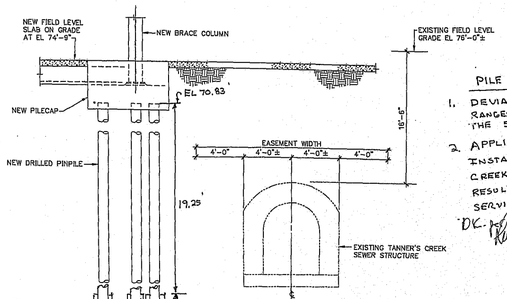
3 S101A FIELD LEVEL SLAB ELEVATION TRANSITION



4 S101A SLAB EDGE DETAIL



5 S101A SLAB AGAINST WALL DETAIL



6 S101A SECTION AT TANNER'S CREEK SEWER

7 S101A SECTION AT TANNER'S CREEK SEWER

PILE NOTES:

1. DEVIATION FOR TYPICAL DRILLED PIN PILE RANGES FROM 6" TO 12" IN RELATION TO THE 5.0" ϕ CASING.
2. APPLICANT TO PERFORM INSPECTION AFTER INSTALLATION OF ALL PIN PILES OF TANNER'S CREEK SEWER AND FURNISH INSPECTION REPORT/ RESULTS TO CITY OF PORTLAND ENVIROMENTAL SERVICES FOR THEIR REVIEW.

D.K. Johnson @ B.E.S. 9/13/00

SHEET NOTES

1. CF INDICATES NEW STRUCTURAL STEEL COLUMN WITH NEW PILE CAP AND PILING
2. BRACE INDICATES LOCATION OF NEW STRUCTURAL STEEL DIAGONAL BRACING
3. TB INDICATES TIE BEAMS MONOLITHIC WITH 6" SLAB ON GRADE BETWEEN NEW PILE CAPS.
4. $\frac{I^{SEE}}{S101A}$ INDICATES COLUMN ABOVE
5. PROVIDE 2" MINIMUM CRUSHED ROCK BASE UNDER ALL SLABS ON GRADE.
6. PROVIDE THICKENED SLAB EDGE FOR ALL SLABS ON GRADE SIMILAR TO 1/S101E.
7. TOP OF PILECAP ELEVATIONS TYPICALLY BELOW FIELD LEVEL FLOOR ELEVATION 74'-9" UNLESS SPECIFICALLY NOTED OTHERWISE.
8. TOP OF FIELD LEVEL FLOOR SLAB EL 74'-9" UNLESS SPECIFICALLY INDICATED OTHERWISE.
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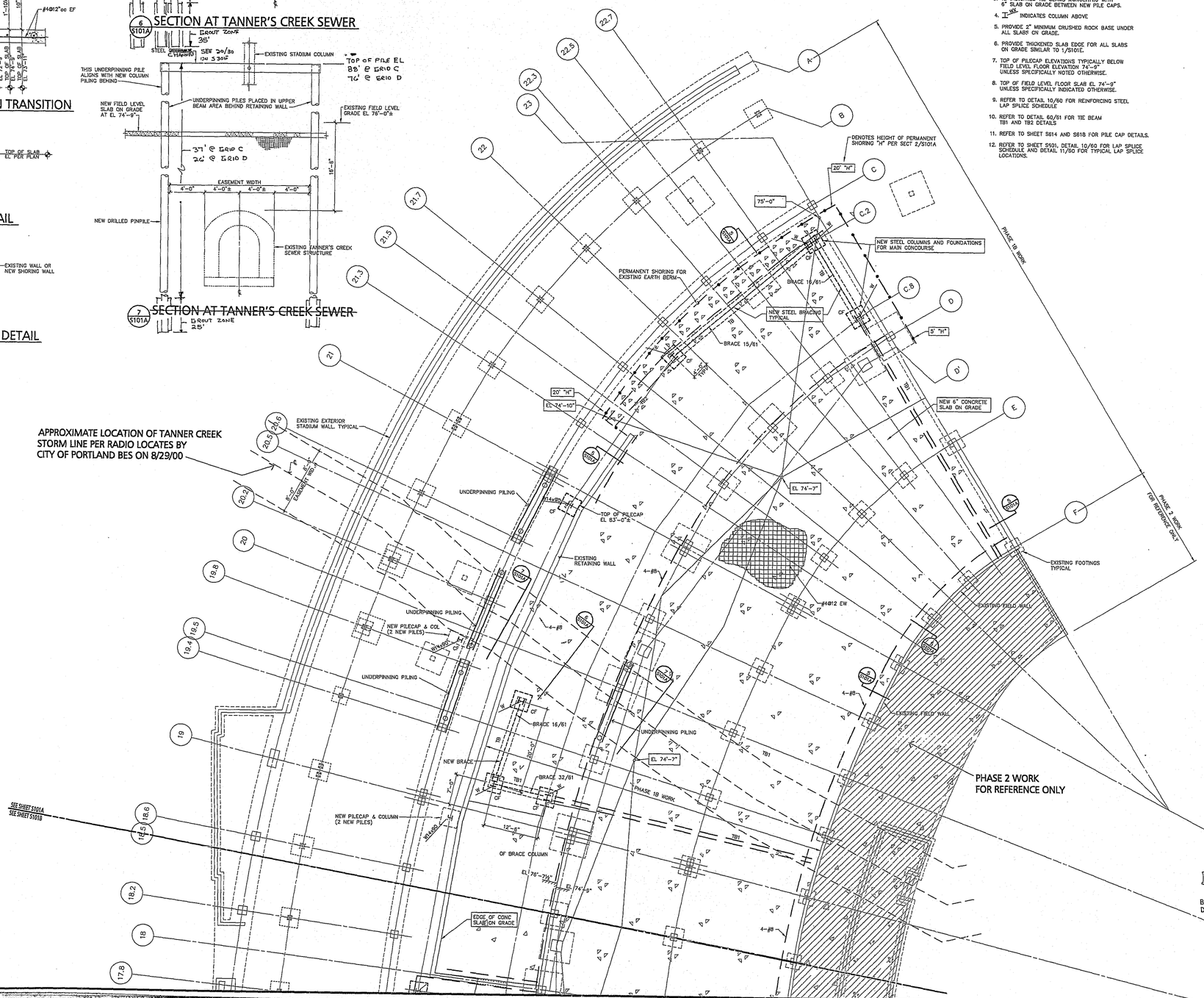
10. REFER TO DETAIL 60/61 FOR TIE BEAM TB1 AND TB2 DETAILS
11. REFER TO SHEET S614 AND S618 FOR PILE CAP DETAILS.
12. REFER TO SHEET S501, DETAIL 10/60 FOR LAP SPLICE SCHEDULE AND DETAIL 11/60 FOR TYPICAL LAP SPLICE LOCATIONS.



REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON RENEWS: 6/30/2001 B. RICHARD WORTH
B. Richard Worth SEP 13, 2000

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Revision	Date	No.

"ACME - ACME" STADIUM

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816 561 4443

FOUNDATION AND FIELD LEVEL PLAN - AREA A

Scale 1/8"=1'-0"

Date 08 SEPT 2000 Comm. No. 9880.0001.00
In Charge BRW PHASE 1B
Drawn By ABC
Checked By BRW

S101A

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T. U. 7 3rd 1. 3 & 5.

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T. 135
APR 4 2003
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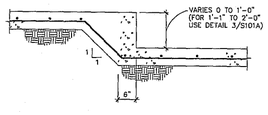
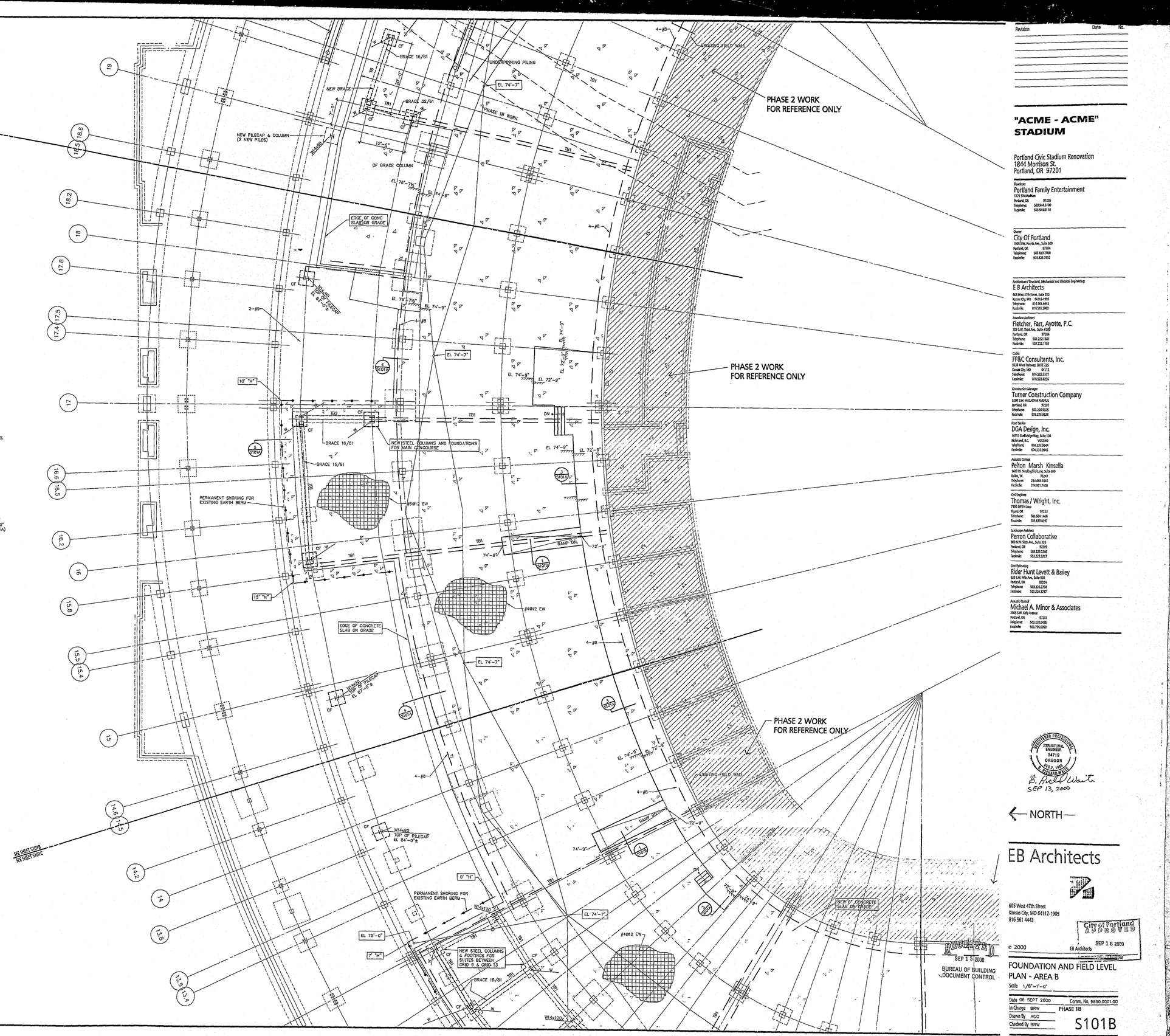
SHEET NOTES

1. CF INDICATES NEW STRUCTURAL STEEL COLUMN WITH NEW PILE CAP AND PILING
2. BRACE INDICATES LOCATION OF NEW STRUCTURAL STEEL DIAGONAL BRACING
3. TB INDICATES TIE BEAMS MONOLITHIC WITH 6" SLAB ON GRADE BETWEEN NEW PILE CAPS.
4. I 18X INDICATES COLUMN . OVE
5. PROVIDE 2" MINIMUM CRUSHED ROCK BASE UNDER ALL SLABS ON GRADE.
6. PROVIDE THICKENED SLAB EDGE FOR ALL SLABS ON GRADE SIMILAR TO 1/S101E.
7. TOP OF PILECAP ELEVATIONS 1" CALLY BELOW FIELD LEVEL FLOOR ELEVATION , -9" UNLESS SPECIFICALLY NOTED OTHERWISE.
8. TOP OF FIELD LEVEL FLOOR SLAB EL 74'-9" UNLESS SPECIFICALLY INDICATED OTHERWISE.
9. REFER TO DETAIL 10/60 FOR REINFORCING STEEL LAP SPLICE SCHEDULE
10. REFER TO DETAIL 60/61 FOR TIE BEAM TB1 AND TB2 DETAILS
11. REFER TO SHEET S614 AND S618 FOR PILE CAP DETAILS.
12. REFER TO SHEET S601, DETAIL 10/60 FOR LAP SPLICE SCHEDULE AND DETAIL 11/60 FOR TYPICAL LAP SPLICE LOCATIONS.



1/S101B RAMP DETAIL



Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
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Facsimile: 503.226.9626

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Richmond, B.C. V6X2W9
Telephone: 604.232.9464
Facsimile: 604.232.9465

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REGISTERED PROFESSIONAL ENGINEER
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OREGON
RICHARD WARE
B. Richard Ware
SEP 13, 2000

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FOUNDATION AND FIELD LEVEL PLAN - AREA B

Scale 1/8"=1'-0"

Date 06 SEPT 2000	Comm. No. 9890.0001.00
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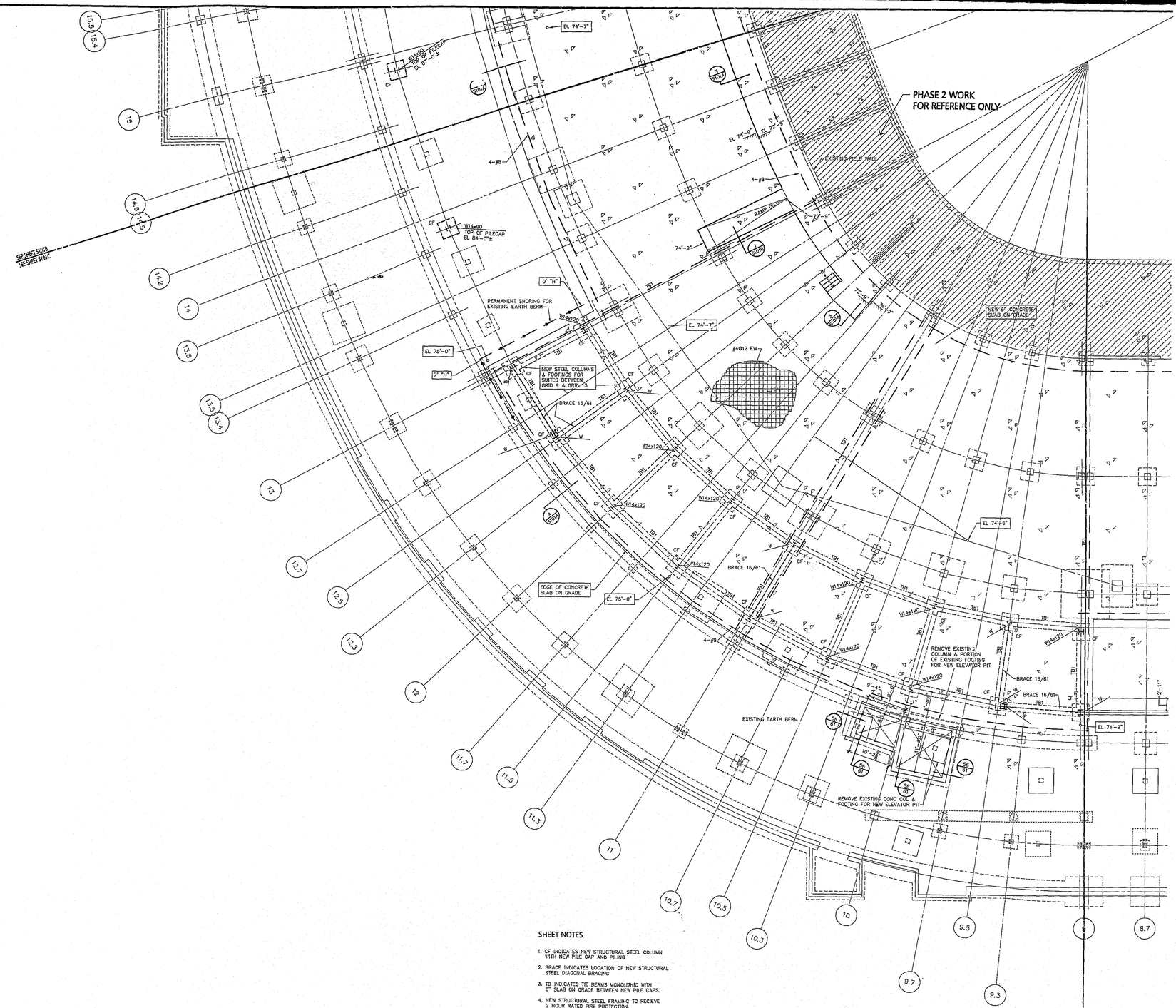
Drawn By AEC	S101B
Checked By BRW	



SHEET NOTES

1. CF INDICATES NEW STRUCTURAL STEEL COLUMN WITH NEW PILE CAP AND PILING
2. BRACE INDICATES LOCATION OF NEW STRUCTURAL STEEL DIAGONAL BRACING
3. TB INDICATES TIE BEAMS MONOLITHIC WITH 6" SLAB ON GRADE BETWEEN NEW PILE CAPS.
4. NEW STRUCTURAL STEEL FRAMING TO RECIEVE 2 HOUR RATED FIRE PROTECTION.
5. $\frac{I^{36}}{}$ INDICATES COLUMN ABOVE
6. PROVIDE 2" MINIMUM CRUSHED ROCK BASE UNDER ALL SLABS ON GRADE.
7. PROVIDE THICKENED SLAB EDGE FOR ALL SLABS ON GRADE SIMILAR TO 1/S101E.
8. TOP OF PILECAP ELEVATIONS TYPICALLY BELOW FIELD LEVEL FLOOR ELEVATION 74'-9" UNLESS SPECIFICALLY NOTED OTHERWISE.
9. TOP OF FIELD LEVEL FLOOR SLAB EL 74'-9" UNLESS SPECIFICALLY INDICATED OTHERWISE.
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Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
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REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON DEC. 7, 1981 RICHARD WERTZ
R. Richard Wertz
SEP 13, 2000

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Kansas City, MO 64112-1905
816 561 4443

CITY of Portland APPROVED
SEP 18 2000
EB Architects

FOUNDATION AND FIELD LEVEL PLAN - AREA C

Scale 1/8"=1'-0"

Date 06 SEPT 2000	Comm. No. 9890.0001.00
In Charge BRW	PHASE 1B
Drawn By ADC	
Checked By BRW	S101C

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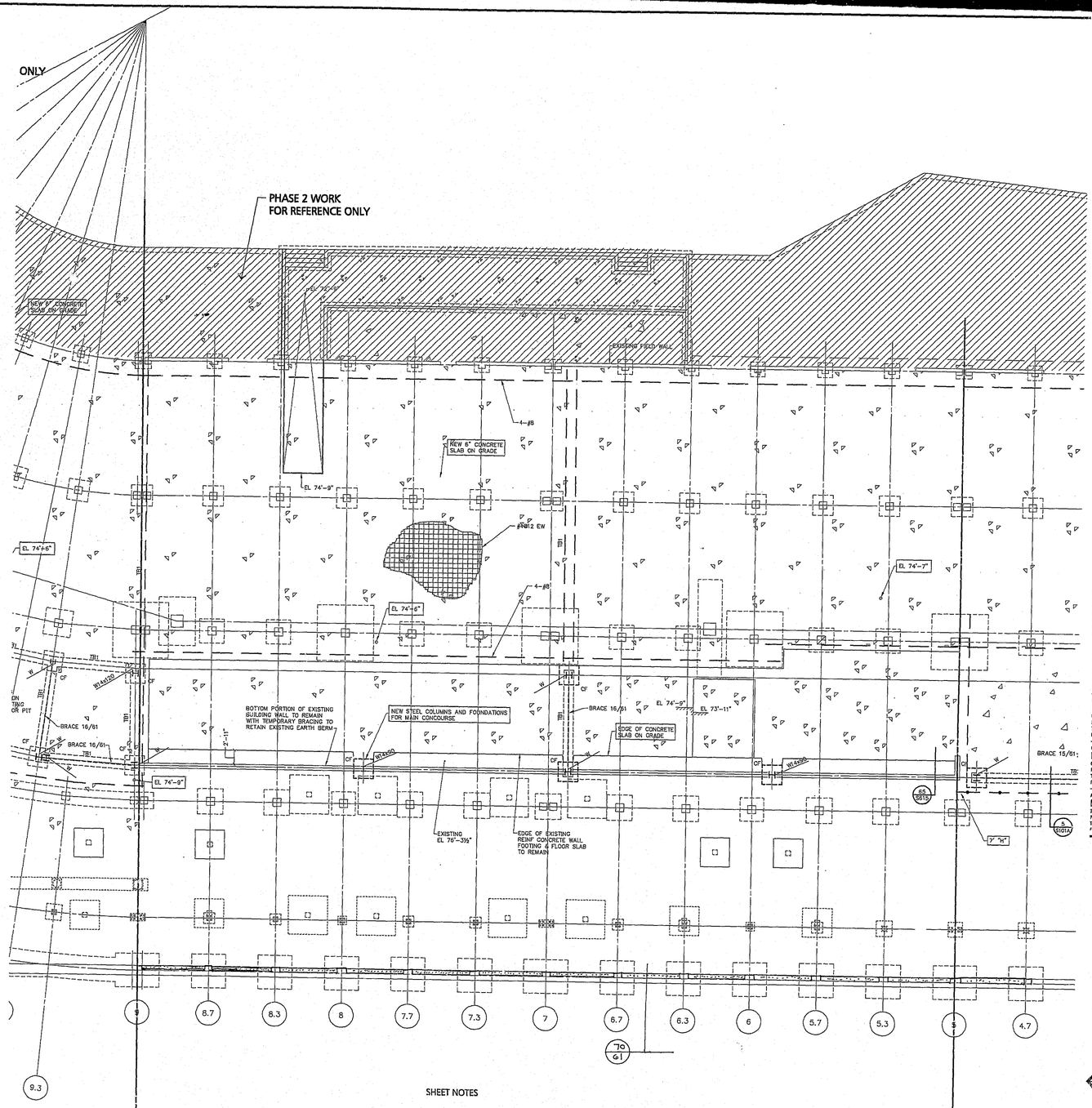

SHEET NOTES

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2. BRACE INDICATES LOCATION OF NEW STRUCTURAL STEEL DIAGONAL BRACING
3. TB INDICATES TIE BEAMS MONOLITHIC WITH 6" SLAB ON GRADE BETWEEN NEW PILE CAPS.
4. I 36x150 INDICATES COLUMN ABOVE
5. PROVIDE 2" MINIMUM CRUSHED ROCK BASE UNDER ALL SLABS ON GRADE.
6. PROVIDE THICKENED SLAB EDGE FOR ALL SLABS ON GRADE SIMILAR TO 1/S101E.
7. TOP OF PILECAP ELEVATIONS TYPICALLY BELOW FIELD LEVEL FLOOR ELEVATION 74'-9" UNLESS SPECIFICALLY NOTED OTHERWISE.
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Revision	Date	No.

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Telephone: 503.226.5825
Facsimile: 503.274.5835

Food Service
DGA Design, Inc.
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Pelton Marsh Kinsella
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Facsimile: 503.796.0993

REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL
EL-HEER
14719
OREGON
DEC. 7, 1999
RICHARD W. WATT
SEP 13, 2000

← NORTH →

EB Architects

605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

City of Portland
APPROVED
SEP 18 2000
Field Control

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FOUNDATION AND FIELD LEVEL PLAN - AREA D

Scale 1/8"=1'-0"

Date 06 SEPT 2000 Comm. No. 9890.0001.00
In Charge BRW PHASE 1B
Drawn By ADC
Checked By BRW

S101D

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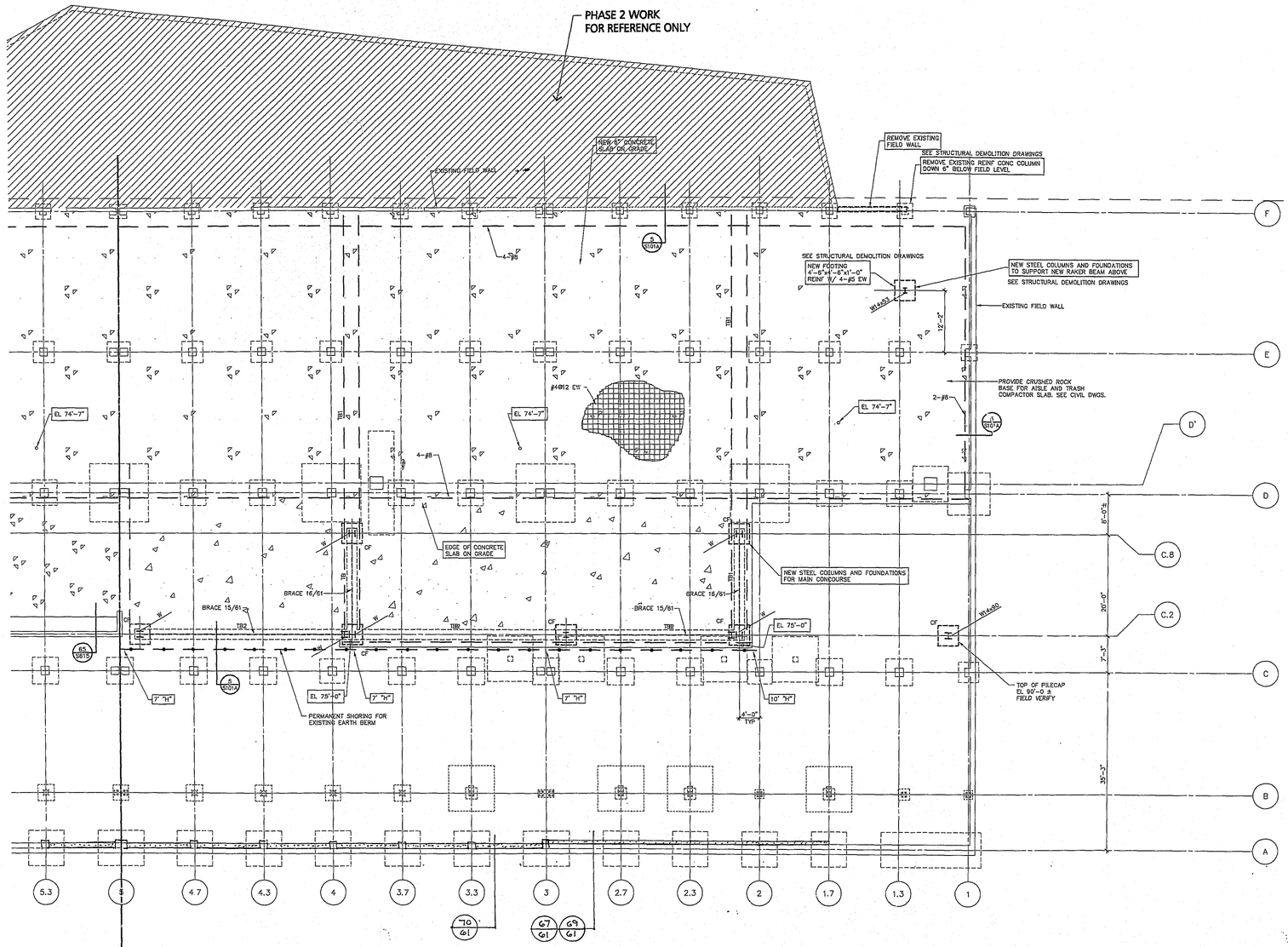

SHEET NOTES

1. CF INDICATES NEW STRUCTURAL STEEL COLUMN WITH NEW PILE CAP AND PILING
2. BRACE INDICATES LOCATION OF NEW STRUCTURAL STEEL DIAGONAL BRACING
3. TB INDICATES TIE BEAMS MONOLITHIC WITH 6" SLAB ON GRADE BETWEEN NEW PILE CAPS.
4. I^W^S INDICATES COLUMN ABOVE
5. PROVIDE 2" MINIMUM CRUSHED ROCK BASE UNDER ALL SLABS ON GRADE.
6. PROVIDE THICKENED SLAB EDGE FOR ALL SLABS ON GRADE SIMILAR TO 1/S10E.
7. TOP OF PILECAP ELEVATIONS TYPICALLY BELOW FIELD LEVEL FLOOR ELEVATION 74'-9" UNLESS SPECIFICALLY NOTED OTHERWISE.
8. TOP OF FIELD LEVEL FLOOR SLAB EL 74'-9" UNLESS SPECIFICALLY INDICATED OTHERWISE.
9. REFER TO DETAIL 10/S0 FOR REINFORCING STEEL LAP SPLICE SCHEDULE
10. REFER TO DETAIL 60/61 FOR TIE BEAM TB1 AND TB2 DETAILS
11. REFER TO SHEET S514 AND S618 FOR PILE CAP DETAILS.
12. REFER TO SHEET S501, DETAIL 10/S0 FOR LAP SPLICE SCHEDULE AND DETAIL 11/S0 FOR TYPICAL LAP SPLICE LOCATIONS.

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
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1771 SW Morrison
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Facsimile: 503.944.5110

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REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON DEC. 7, 1982 RICHARD WAITE
B. Richard Waite
SEP 13, 2000

← NORTH →

EB Architects

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Kansas City, MO 64112-1905
816 561 4443

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FOUNDATION AND FIELD LEVEL PLAN - AREA E

Scale 1/8"=1'-0"

Date 05 SEPT 2000 Comm. No. 9890.0001.00
In Charge BRW PHASE 1B
Drawn By ADC
Checked By BRW

S101E

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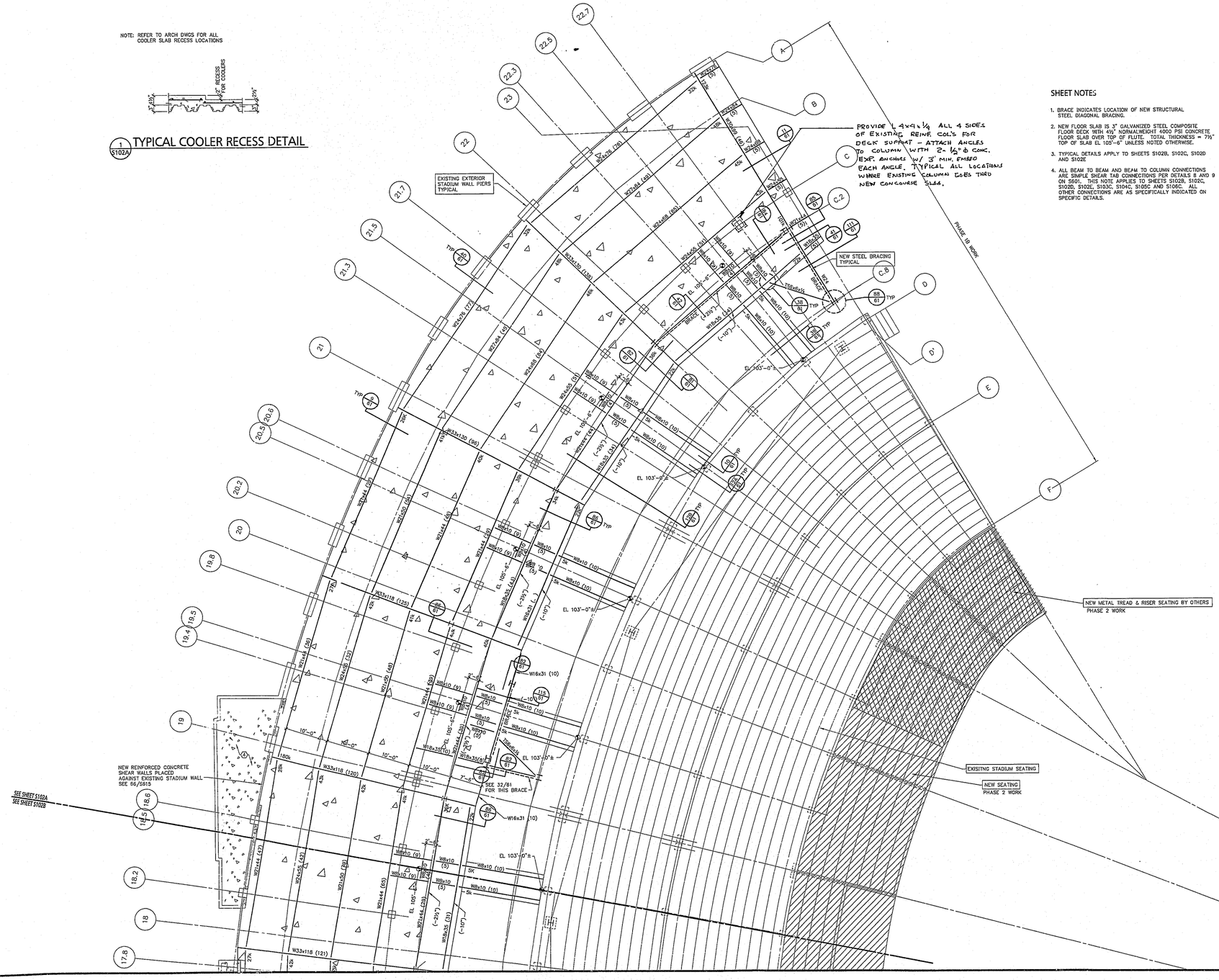
NOTE: REFER TO ARCH DWGS FOR ALL COOLER SLAB RECESS LOCATIONS

1 S102A TYPICAL COOLER RECESS DETAIL



SHEET NOTES

1. BRACE INDICATES LOCATION OF NEW STRUCTURAL STEEL DIAGONAL BRACING.
2. NEW FLOOR SLAB IS 3" GALVANIZED STEEL COMPOSITE FLOOR DECK WITH 4½" NORMALWEIGHT 4000 PSI CONCRETE FLOOR SLAB OVER TOP OF FLUTE. TOTAL THICKNESS = 7½" TOP OF SLAB EL 105'-6" UNLESS NOTED OTHERWISE.
3. TYPICAL DETAILS APPLY TO SHEETS S102B, S102C, S102D AND S102E
4. ALL BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS ARE SIMPLE SHEAR TAB CONNECTIONS PER DETAILS 8 AND 9 ON S501. THIS NOTE APPLIES TO SHEETS S102B, S102C, S102D, S102E, S103C, S104C, S105C AND S105C. ALL OTHER CONNECTIONS ARE AS SPECIFICALLY INDICATED ON SPECIFIC DETAILS.

Revision | Date | No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
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SEP 13, 2000

EB Architects
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Kansas City, MO 64112-1905
816 561 4443

Portland MOVED SEP 15 2000 Permit Number

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MAIN CONCOURSE / SUITE 1 LEVEL FRAMING PLAN - AREA A

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Date 06 SEPT 2000 Comm. No. 9890.0001.00
In Charge BRW PHASE 1B
Drawn By ADC
Checked By BRW

S102A

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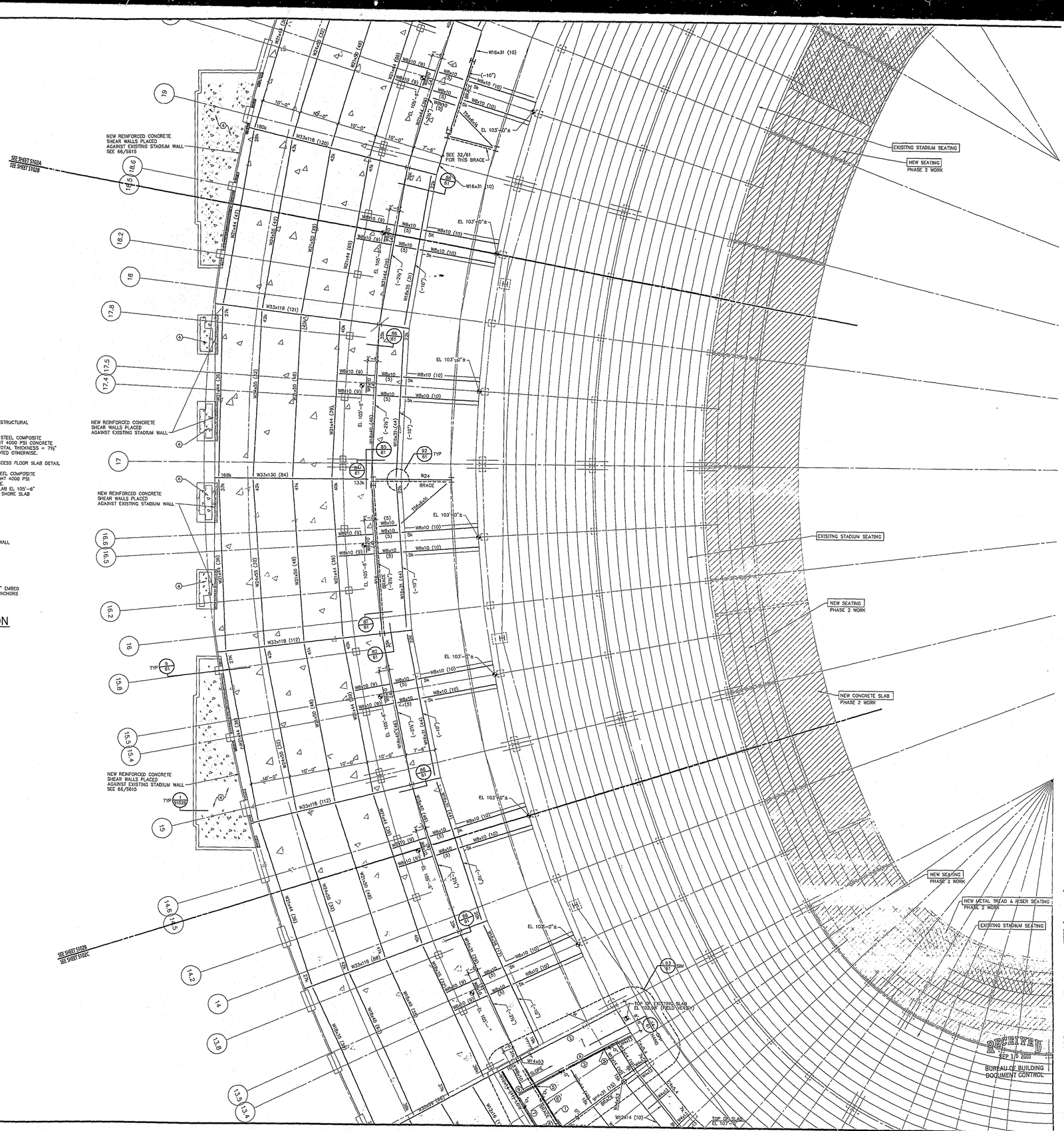
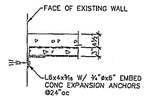


SHEET NOTES

1. BRACE INDICATES LOCATION OF NEW STRUCTURAL STEEL DIAGONAL BRACING.
2. NEW FLOOR SLAB IS 3" GALVANIZED STEEL COMPOSITE FLOOR DECK WITH 4½" NORMALWEIGHT 4000 PSI CONCRETE FLOOR SLAB OVER TOP OF FLUTE. TOTAL THICKNESS = 7½" TOP OF SLAB EL 103'-6" UNLESS NOTED OTHERWISE.
3. SEE DETAIL 1/S102A FOR COOLER RECESS FLOOR SLAB DETAIL
4. PROVIDE 3" 18 GAGE GALVANIZED STEEL COMPOSITE FLOOR DECK WITH 4½" NORMAL WEIGHT 4000 PSI CONCRETE SLAB OVER TOP OF FLUTE. TOTAL THICKNESS = 7½", TOP OF SLAB EL 105'-6" REINFORCE SLAB WITH #4@18"oc EW. SHORE SLAB WHERE DECK SPAN IS OVER 9'-4"



1 / S102B SECTION

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
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REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON RENEWS: 6/30/01 BRIAN WHITE
SEP 13, 2000

← NORTH →

EB Architects

605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

City of Portland APPROVED SEP 18 2000 PERMIT NUMBER

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MAIN CONCOURSE / SUITE 1 LEVEL FRAMING PLAN - AREA B

Scale 1/8"=1'-0"

Date 06 SEPT 2000	Comm. No. 9890.0001.00
In Charge BRW	PHASE 1B
Drawn By ADC	S102B
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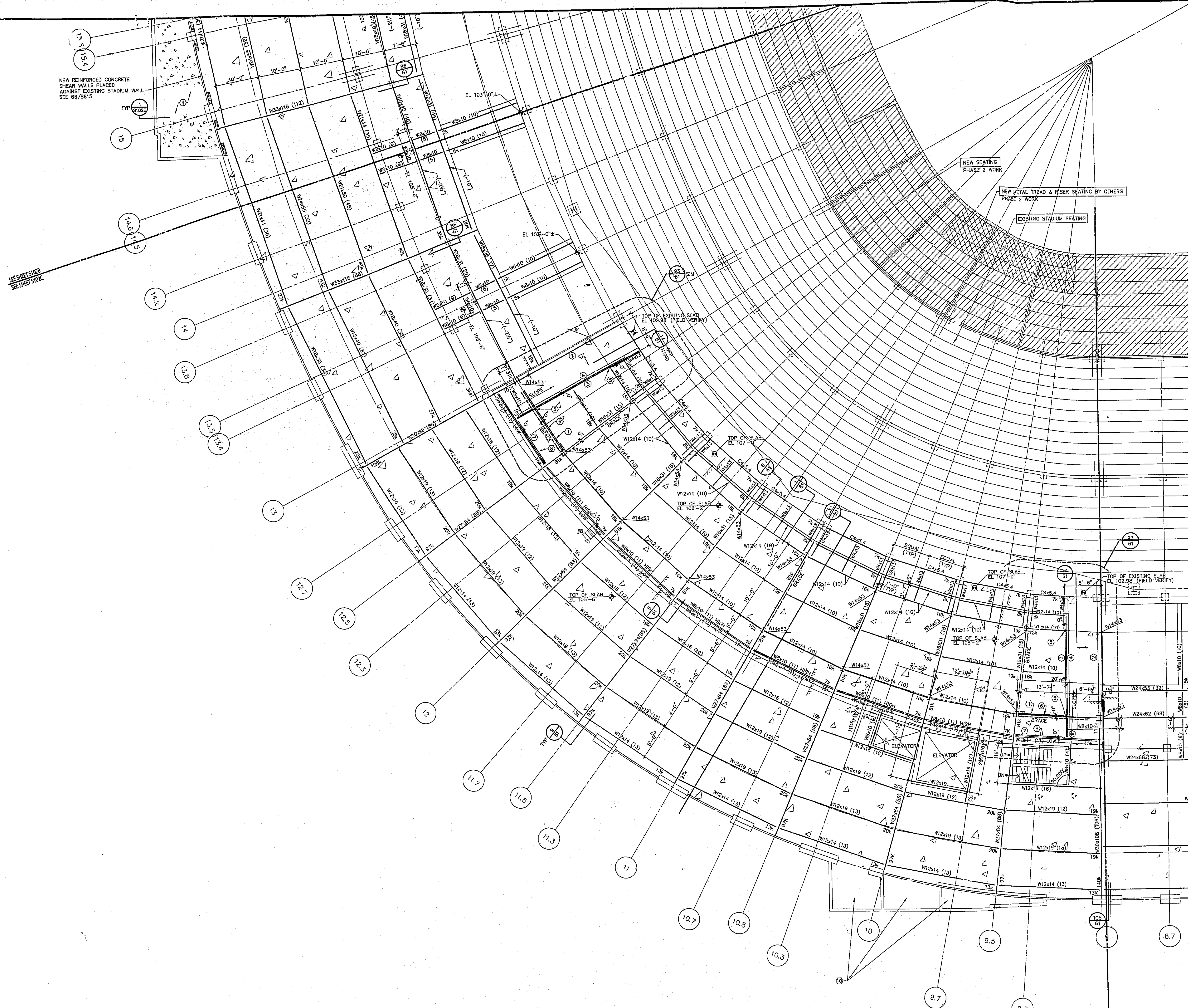

SHEET NOTES

1. BRACE INDICATES LOCATION OF NEW STRUCTURAL STEEL DIAGONAL BRACING.
2. NEW FLOOR SLAB IS 3" GALVANIZED STEEL COMPOSITE FLOOR DECK WITH 4½" NORMALWEIGHT 4000 PSI CONCRETE FLOOR SLAB OVER TOP OF FLUTE. TOTAL THICKNESS = 7½" TOP OF SLAB EL 105'-6" UNLESS NOTED OTHERWISE.
3. NEW STRUCTURAL STEEL FRAMING TO RECIEVE 2 HOUR RATED FIRE PROTECTION. NO PROTECTION REQUIRED FOR STEEL DECK / CONCRETE FLOOR SLAB.
4. I WX INDICATES COLUMN ABOVE
5. SEE DETAIL 1/S102A FOR COOLER RECESS FLOOR SLAB DETAIL

SHEET ITEMS

1. W12x14 HIGH (TOS EL 107'-6½")
2. W16x40 HIGH (TOS EL 104'-10½") W LOW (SLOPED)
3. W16x31 HIGH (TOS EL 107'-6½")
4. W21x44 LOW (SLOPED)
5. TS4x4x⅜ POST
6. W16x40 LOW (TOS EL 104'-8")
7. W8x10 HIGH (TOS EL 107'-6½")
8. W8x10 (11) LOW (TOS EL 104'-10½")
9. W8x10 LOW (TOS EL 104'-10½")
10. PROVIDE 3"-18 GA GALVANIZED STEEL COMPOSITE FLOOR DECK WITH 4½" NORMAL WEIGHT 4000 PSI CONCRETE SLAB OVER TOP OF FLUTE. TOTAL THICKNESS = 7½". TOP OF SLAB EL 105'-6". REINFORCE SLABE WITH #4@18"o.c. EW. SHORE SLAB WHERE DECK SPAN IS OVER 9'-4". SEE SECTION 1/102B FOR CONNECTION DETAIL.

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Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
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Portland, OR 97205
Telephone: 503.944.5100
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..y Of Portland
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Facsimile: 503.796.0993

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON DEC.7, 1989 B. RICHARD WAITE
B. Richard Waite
SEP 13, 2000

← NORTH —

EB Architects
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Kansas City, MO 64112-1905
816 561 4443

City of Portland
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Permit Number

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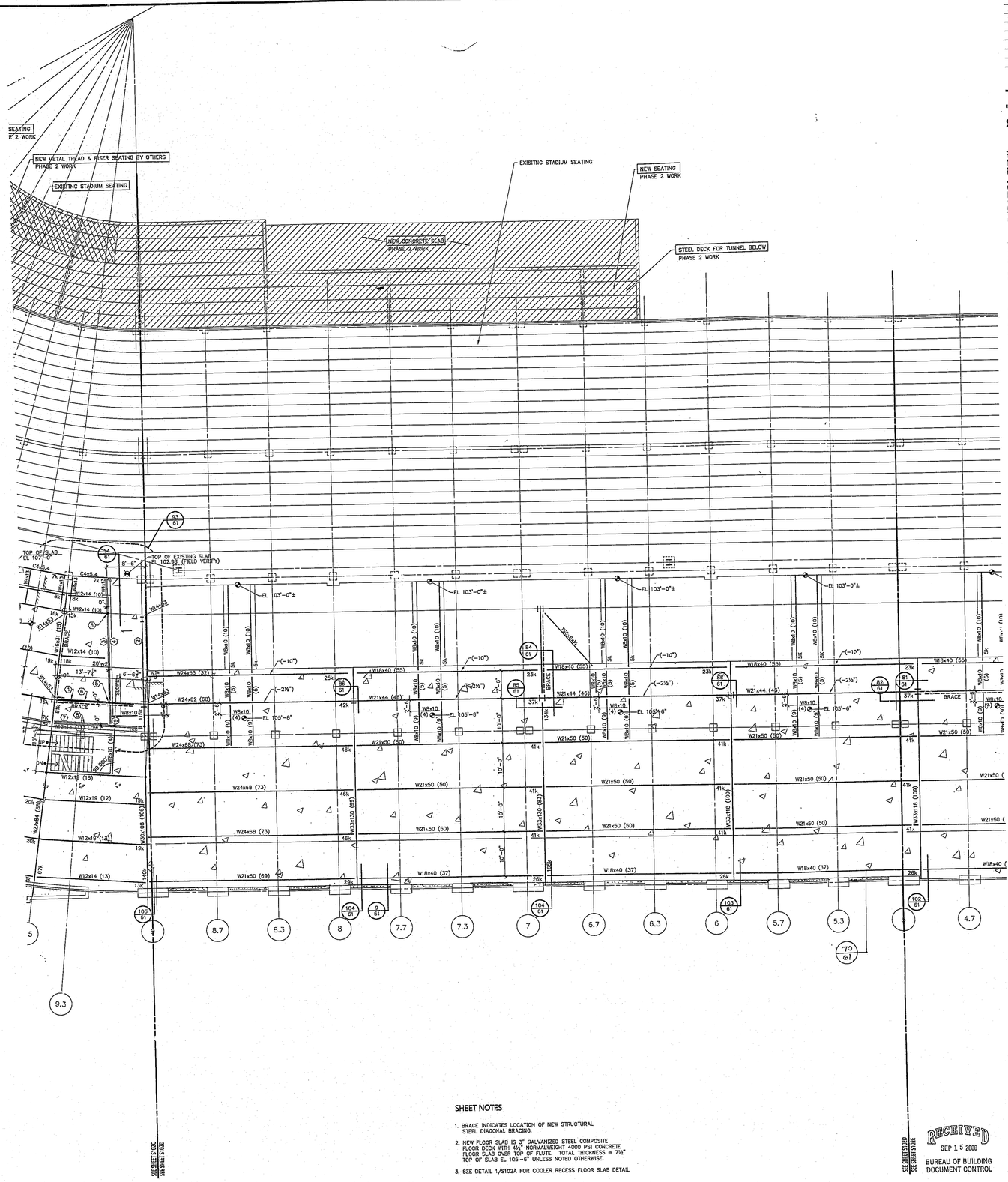
MAIN CONCOURSE / SUITE 1 LEVEL
FRAMING PLAN - AREA C
Scale 1/8"=1'-0"

Date 06 SEPT 2000	Comm. No. 9890.0001.00
In Charge BRW	PHASE 1B
Drawn By ADC	
Checked By BRW	S102C



SHEET NOTES

1. BRACE INDICATES LOCATION OF NEW STRUCTURAL STEEL DIAGONAL BRACING.
2. NEW FLOOR SLAB IS 3" GALVANIZED STEEL COMPOSITE FLOOR DECK WITH 4½" NORMALWEIGHT 4000 PSI CONCRETE FLOOR SLAB OVER TOP OF FLUTE. TOTAL THICKNESS = 7½" TOP OF SLAB EL 105'-6" UNLESS NOTED OTHERWISE.
3. SEE DETAIL 1/S102A FOR COOLER RECESS FLOOR SLAB DETAIL

Revision | Date | No.

"ACME - ACME" STADIUM

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B. Rick West
SEP 13 2000

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816 561 4443

City of Portland APPROVED SEP 18 2000 Permit Number

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MAIN CONCOURSE / SUITE 1 LEVEL FRAMING PLAN - AREA D

Scale 1/8"=1'-0"

Date 06 SEPT 2000 | Comm. No. 9890.0001.00
In Charge BRW | PHASE 1B
Drawn By ADC
Checked By BRW

S102D

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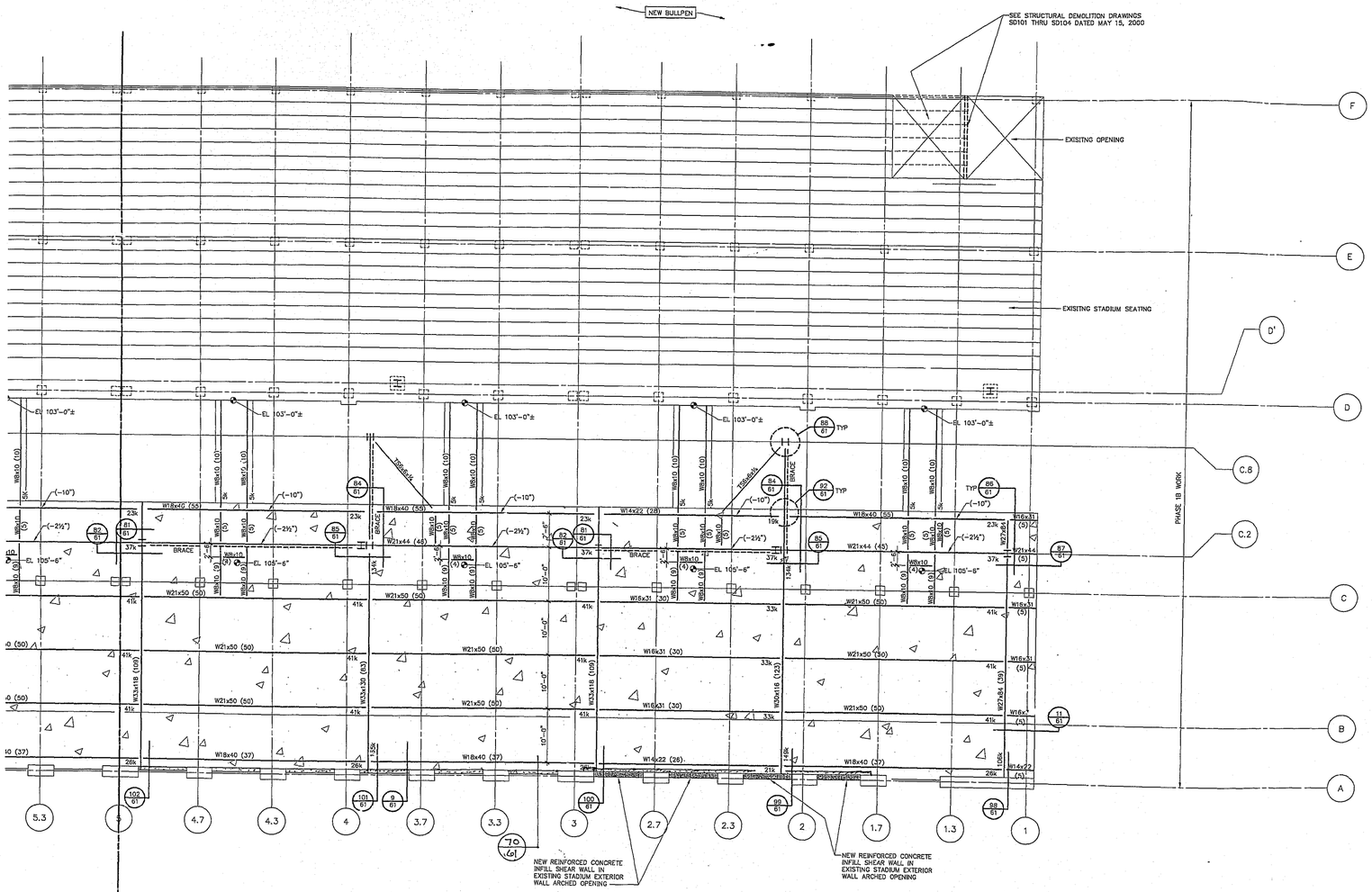

SHEET NOTES

1. BRACE INDICATES LOCATION OF NEW STRUCTURAL STEEL DIAGONAL BRACING.
2. NEW FLOOR SLAB IS 3" GALVANIZED STEEL COMPOSITE FLOOR DECK WITH 4½" NORMALWEIGHT 4000 PSI CONCRETE FLOOR SLAB OVER TOP OF FLUTE. TOTAL THICKNESS = 7½" TOP OF SLAB EL 105'-6" UNLESS NOTED OTHERWISE.
3. SEE DETAIL 1/S102A FOR COOLER RECESS FLOOR SLAB DETAIL

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DOCUMENT CONTROL

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Mellion
Portland, OR 97205
Telephone: 503.944.5100
Facsimile: 503.944.5110

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.7000
Facsimile: 503.823.7010

Architecture / Structural, Mechanical and Electrical Engineering:
E B Architects
605 West 47th Street, Suite 200
Kansas City, MO 64112-1905
Telephone: 816.561.4443
Facsimile: 816.561.2969

Associate Architect
Fletcher, Farr, Ayotte, P.C.
208 S.W. Third Ave., Suite #200
Portland, OR 97204
Telephone: 503.223.1161
Facsimile: 503.222.1701

Civils
FP&C Consultants, Inc.
9237 Ward Parkway, SUITE 225
Kansas City, MO 64112
Telephone: 816.333.9317
Facsimile: 816.333.9216

Construction Manager
Turner Construction Company
5200 S.W. MACADAM AVENUE
Portland, OR 97201
Telephone: 503.226.5925
Facsimile: 503.226.5926

Food Service
DGA Design, Inc.
10551 Shellbridge Way, Suite 100
Richmond, B.C. V6X2W9
Telephone: 604.232.9944
Facsimile: 604.232.9945

Acoustic Control
Pelton Marsh Kinsella
1420 W. Mockingbird Lane, Suite 400
Dallas, TX 75247
Telephone: 214.688.7441
Facsimile: 214.951.7402

Civil Engineer
Thomas / Wright, Inc.
7190 SW 87 Loop
Tigard, OR 97223
Telephone: 503.624.1468
Facsimile: 503.639.8797

Landscape Architect
Perron Collaborative
800 N.W. Sixth Ave., Suite 250
Portland, OR 97209
Telephone: 503.223.2266
Facsimile: 503.223.2217

Cost Estimating
Rider Hunt Levett & Bailey
620 S.W. Fifth Ave., Suite 900
Portland, OR 97204
Telephone: 503.226.2710
Facsimile: 503.226.1287

Acoustic Consul
Michael A. Minor & Associates
3605 S.W. Kelly Avenue
Portland, OR 97201
Telephone: 503.228.0496
Facsimile: 503.796.0993

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON JULY 1, 1989 B. RICHARD WIRTH
B. Richard Wirth
SEP 13, 2000

← NORTH →

EB Architects
605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

City of Portland APPROVED SEP 18 2000 Permit Number

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MAIN CONCOURSE / SUITE 1 LEVEL FRAMING PLAN - ARENA

Scale 1/8"=1'-0"

Date 06 SEPT 2000	Comm. No. 9890.0001.00
In Charge BRW	PHASE 1B
Drawn By ADC	MAIN PERMIT PACKAGE
Checked By BRW	S102E

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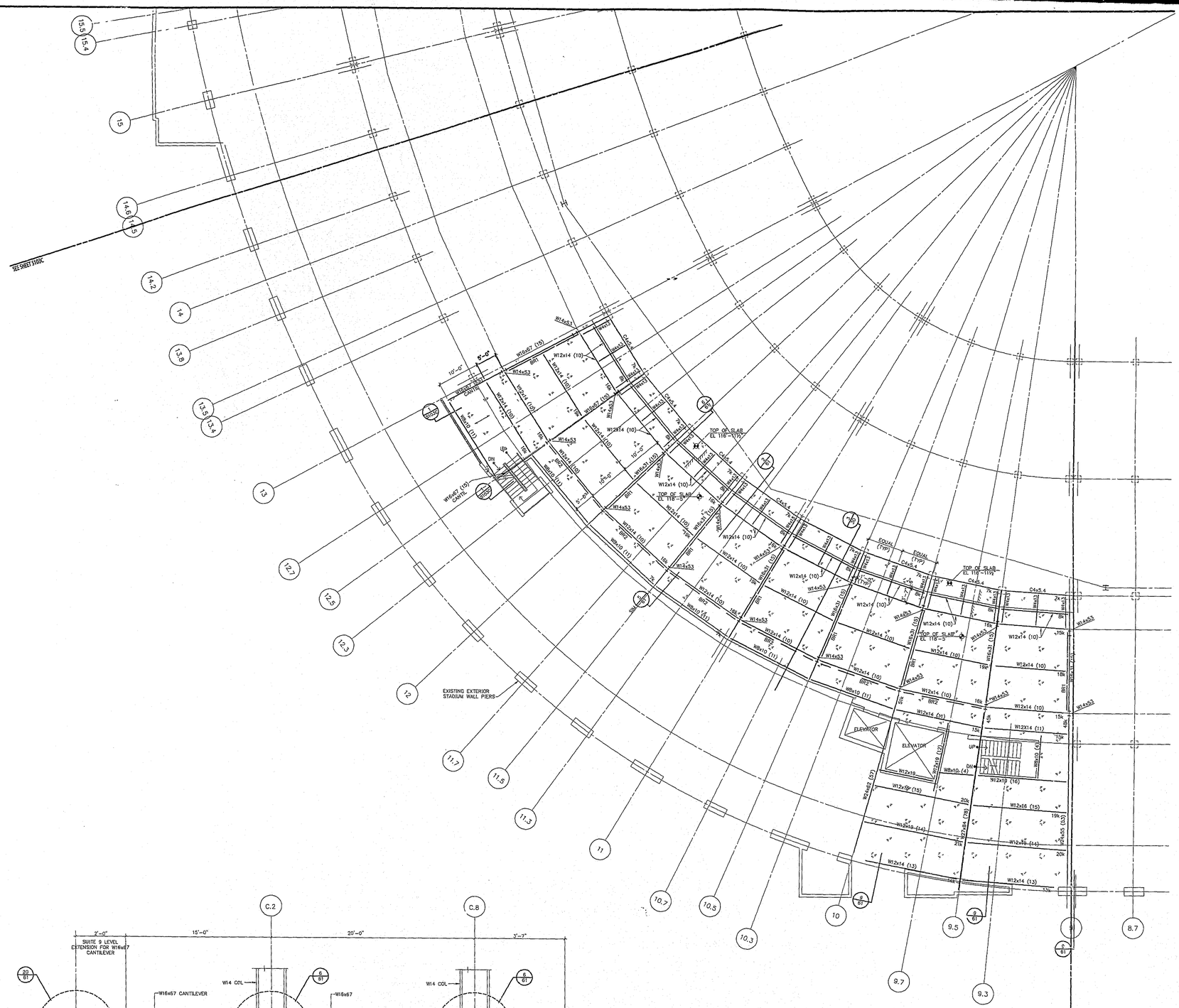

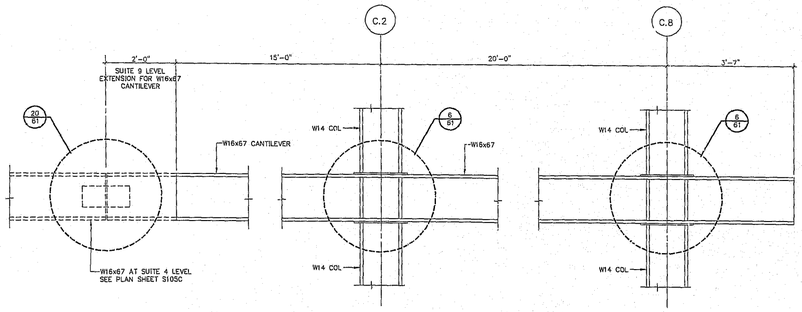

1 S103C FRAMING DETAIL - SEE S103C, S104C, S105C

SHEET NOTES

1. NEW FLOOR SLAB IS 3" GALVANIZED STEEL COMPOSITE FLOOR DECK WITH 4½" NORMALWEIGHT 4000 PSI CONCRETE FLOOR SLAB OVER TOP OF FLUTE. TOTAL THICKNESS = 7½" TOP OF SLAB EL 118'-3" UNLESS NOTED OTHERWISE.
2. NEW STRUCTURAL STEEL FRAMING TO RECEIVE 2 HOUR RATED FIRE PROTECTION. NO PROTECTION REQUIRED FOR STEEL DECK / CONCRETE FLOOR SLAB.
3. 1K INDICATES COLUMN ABOVE
4. SEE 18/S612 FOR BRACE BR1
5. SEE 19/S612 FOR BRACE BR2
6. SEE SHEET S102C FOR ELEVATOR FRAMING DIMENSIONS

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Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.944.5100
Facsimile: 503.944.5119

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.7500
Facsimile: 503.823.7602

Architecture (Structural, Mechanical and Electrical Engineering)
E B Architects
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Facsimile: 816.561.2363

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Telephone: 503.222.1661
Facsimile: 503.222.1701

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FP&C Consultants, Inc.
9233 West Parkway, SUITE 225
Kansas City, MO 64132
Telephone: 816.523.3377
Facsimile: 816.523.8256

Construction Manager
Turner Construction Company
5200 S.W. MACADAM AVENUE
Portland, OR 97201
Telephone: 503.228.5825
Facsimile: 503.226.2624

Food Service
DGA Design, Inc.
10551 Shellbridge Way, Suite 100
Richmond, B.C. V6X2W8
Telephone: 604.232.9644
Facsimile: 604.232.9645

Acoustic Control
Pelton Marsh Kinsella
1400 W. Mockingbird Lane, Suite 400
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Telephone: 214.654.7444
Facsimile: 214.951.2408

Civil Engineer
Thomas / Wright, Inc.
7190 SW Fir Loop
Tigard, OR 97223
Telephone: 503.624.1408
Facsimile: 503.639.0397

Landscape Architect
Perron Collaborative
800 N.W. Sixth Ave., Suite 305
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Telephone: 503.223.2262
Facsimile: 503.223.2317

Cost Estimating
Rider Hunt Levett & Bailey
620 S.W. 5th Ave., Suite 900
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Telephone: 503.224.2726
Facsimile: 503.216.1267

Acoustic Control
Michael A. Minor & Associates
3951 S.W. Kelly Avenue
Portland, OR 97201
Telephone: 503.220.0405
Facsimile: 503.796.0905

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON JANUARY, 1985 RICHARD WRIGHT
SEP 13, 2000

← NORTH →

EB Architects
605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

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City of Portland APPROVED SEP 18 2000 BUREAU OF BUILDING

CLUB / SUITE 2 LEVEL FRAMING PLAN - AREA C

Scale 1/8"=1'-0"

Date 06 SEPT 2000 Comm. No. 9990.0001.01
In Charge BRW PHASE 1B
Drawn By ADC
Checked By BRW

S103C

APR 4 2003 MICROFILMED
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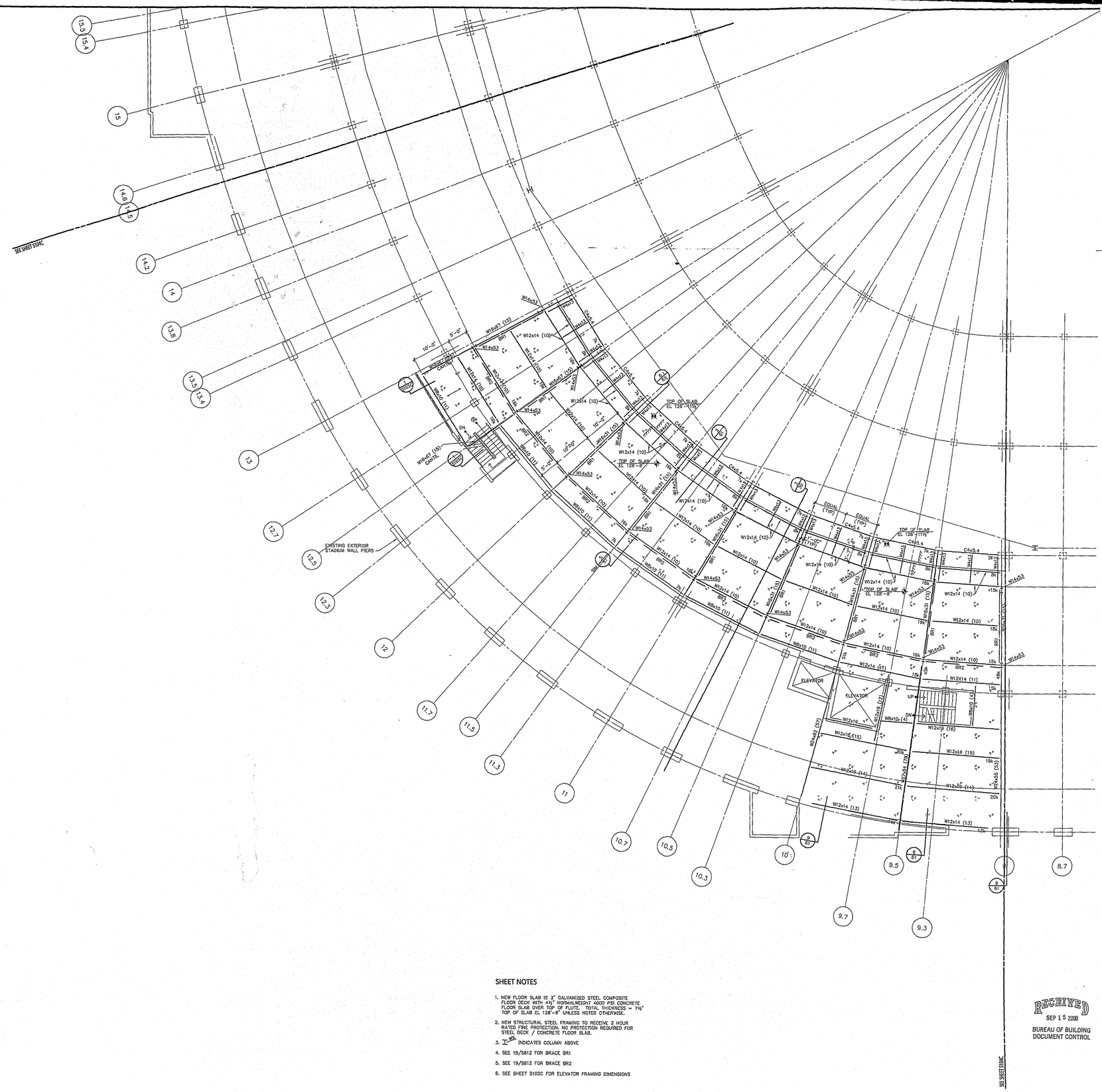
T.U. 1345 ZIRU



SHEET NOTES

1. NEW FLOOR SLAB IS 3" GALVANIZED STEEL COMPOSITE FLOOR DECK WITH 4½" NORMALWEIGHT 4000 PSI CONCRETE FLOOR SLAB OVER TOP OF FLUTE. TOTAL THICKNESS = 7½" TOP OF SLAB EL 128'-8" UNLESS NOTED OTHERWISE.
2. NEW STRUCTURAL STEEL FRAMING TO RECEIVE 2 HOUR RATED FIRE PROTECTION. NO PROTECTION REQUIRED FOR STEEL DECK / CONCRETE FLOOR SLAB.
3. $\frac{105}{I}$ INDICATES COLUMN ABOVE
4. SEE 18/S612 FOR BRACE BR1
5. SEE 19/S612 FOR BRACE BR2
6. SEE SHEET S102C FOR ELEVATOR FRAMING DIMENSIONS

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DOCUMENT CONTROL

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
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Portland, OR 97205
Telephone: 503.954.5100
Facsimile: 503.944.5010

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.7600
Facsimile: 503.823.7903

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E B Architects
605 West 47th Street, Suite 220
Kansas City, Ks. or 12-1605
Telephone: 816.561.4443
Facsimile: 816.561.2868

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Telephone: 503.223.1681
Facsimile: 503.222.1701

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Facsimile: 816.523.8556

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5200 S.W. MACADAM AVENUE
Portland, OR 97201
Telephone: 503.226.0825
Facsimile: 503.226.9826

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DGA Design, Inc.
10251 Shelbridge Way, Suite 100
Ric...ond, B.C. V6X2W9
Telephone: 604.231.9944
Facsimile: 604.232.9943

Acoustic Control
Pelton Marsh Kinsella
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Dallas, TX 75247
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Facsimile: 214.951.7458

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Facsimile: 503.223.2277

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Facsimile: 503.226.1167

Acoustic Control
Michael A. Minor & Associates
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Portland, OR 97201
Telephone: 503.220.0496
Facsimile: 503.796.0993

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON DEC. 7, 1991 B. RICHARD WEST

B. Richard West
SEP 13, 2000

← NORTH →

EB Architects
605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

City of Portland APPROVED
Permit Number
SEP 18 2000

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SUITE 3 LEVEL
FRAMING PLAN - AREA C

Scale 1/8"=1'-0"

Date 06 SEPT 2000	Comm. No. 9890.0001.00
In Charge BRW	PHASE 1B
Drawn By ADC	S104C
Checked By BRW	

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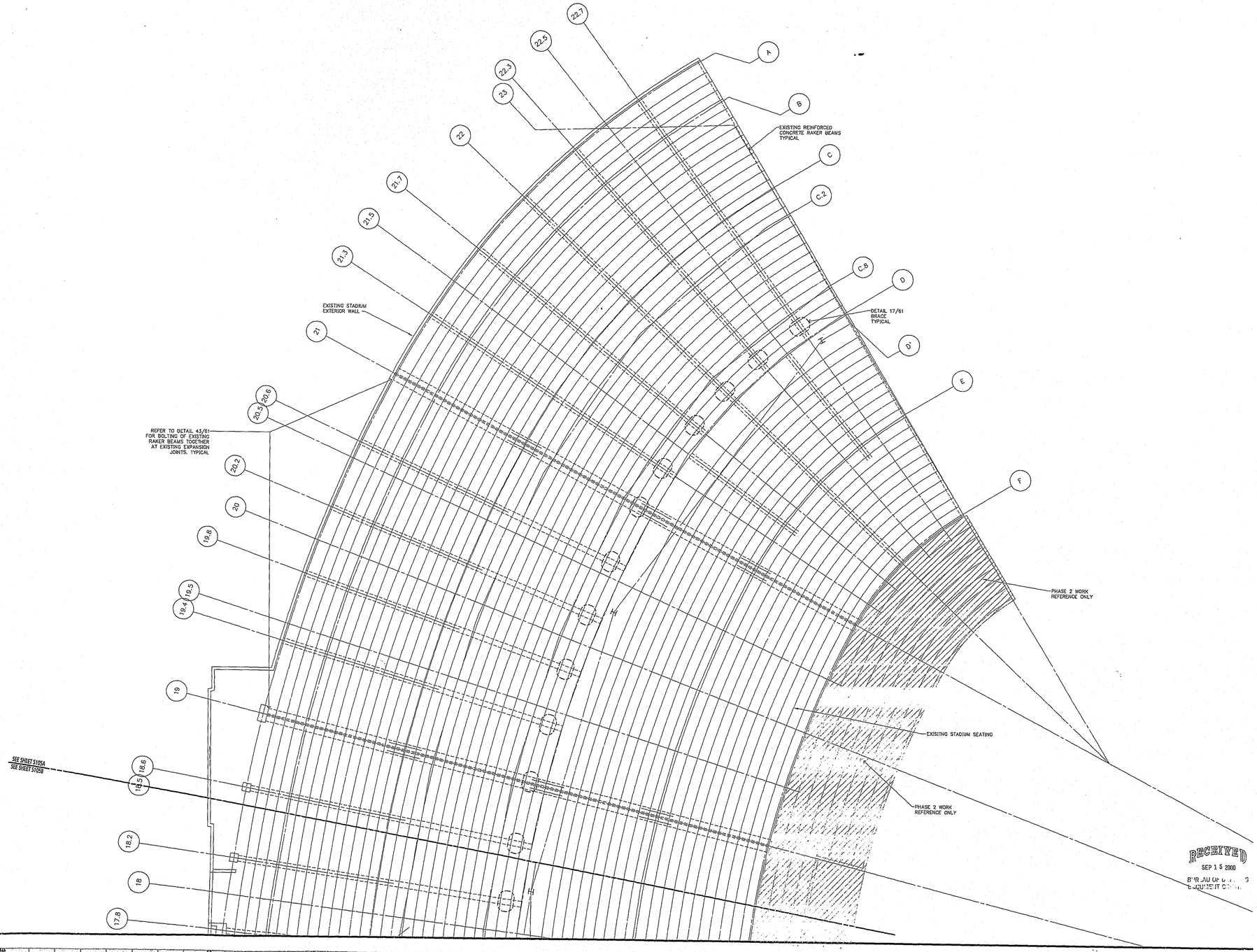
THIRD FLOOR
U. 1345
APR 4 2003 MICROFILMED



← NORTH →

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.944.5100
Facsimile: 503.944.5110

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.7600
Facsimile: 503.823.5102

Architecture / Structural, Mechanical and Electrical Engineering:
E B Architects
605 West 47th Street, Suite 200
Kansas City, MO 64112-1905
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Facsimile: 816.561.2888

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Portland, OR 97204
Telephone: 503.223.1681
Facsimile: 503.223.2701

Civil
FP&C Consultants, Inc.
9233 Ward Parkway, SUITE 225
Kansas City, MO 64114
Telephone: 816.523.3377
Facsimile: 816.523.8256

Construction Manager
Turner Construction Company
5200 S.W. MACADAM AVENUE
Portland, OR 97201
Telephone: 503.226.0626
Facsimile: 503.226.9696

Food Service
DGA Design, Inc.
10551 Shellbridge Way, Suite 100
Richmond, B.C. V6X2W9
Telephone: 604.231.3944
Facsimile: 604.232.9543

Acoustic Control
Pelton Marsh Kinsella
1900 W. Mockingbird Lane, Suite 400
Dallas, TX 75247
Telephone: 214.684.2444
Facsimile: 214.951.7408

Civil Engineer
Thomas / Wright, Inc.
7190 SW Fir Loop
Tigard, OR 97223
Telephone: 503.624.1468
Facsimile: 503.639.8397

Landscape Architect
Perron Collaborative
808 N.W. Sixth Ave., Suite 300
Portland, OR 97209
Telephone: 503.223.2136
Facsimile: 503.223.2213

Cost Estimating
Rider Hunt Levett & Bailey
620 S.W. Fifth Ave., Suite 900
Portland, OR 97204
Telephone: 503.228.2725
Facsimile: 503.226.1247

Acoustic Control
Michael A. Minor & Associates
2455 S.W. Kelly Avenue
Portland, OR 97201
Telephone: 503.220.0492
Facsimile: 503.796.0993

REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL ENGINEER
14219
OREGON
OCT. 1, 1981
RENEWAL DATE

B. Richard West
SEP 13, 2000

EB Architects

605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

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City of Portland
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SEP 18 2000
PERMIT ATTACHED

PRESS / SUITE 4 LEVEL FRAMING PLAN - AREA A

Scale 1/8"=1'-0"

Date 6 SEPT 2000 Comm. No. 9890.0001.00
In Charge BRW PHASE 1B
Drawn By ADC
Checked By BRW

S105A

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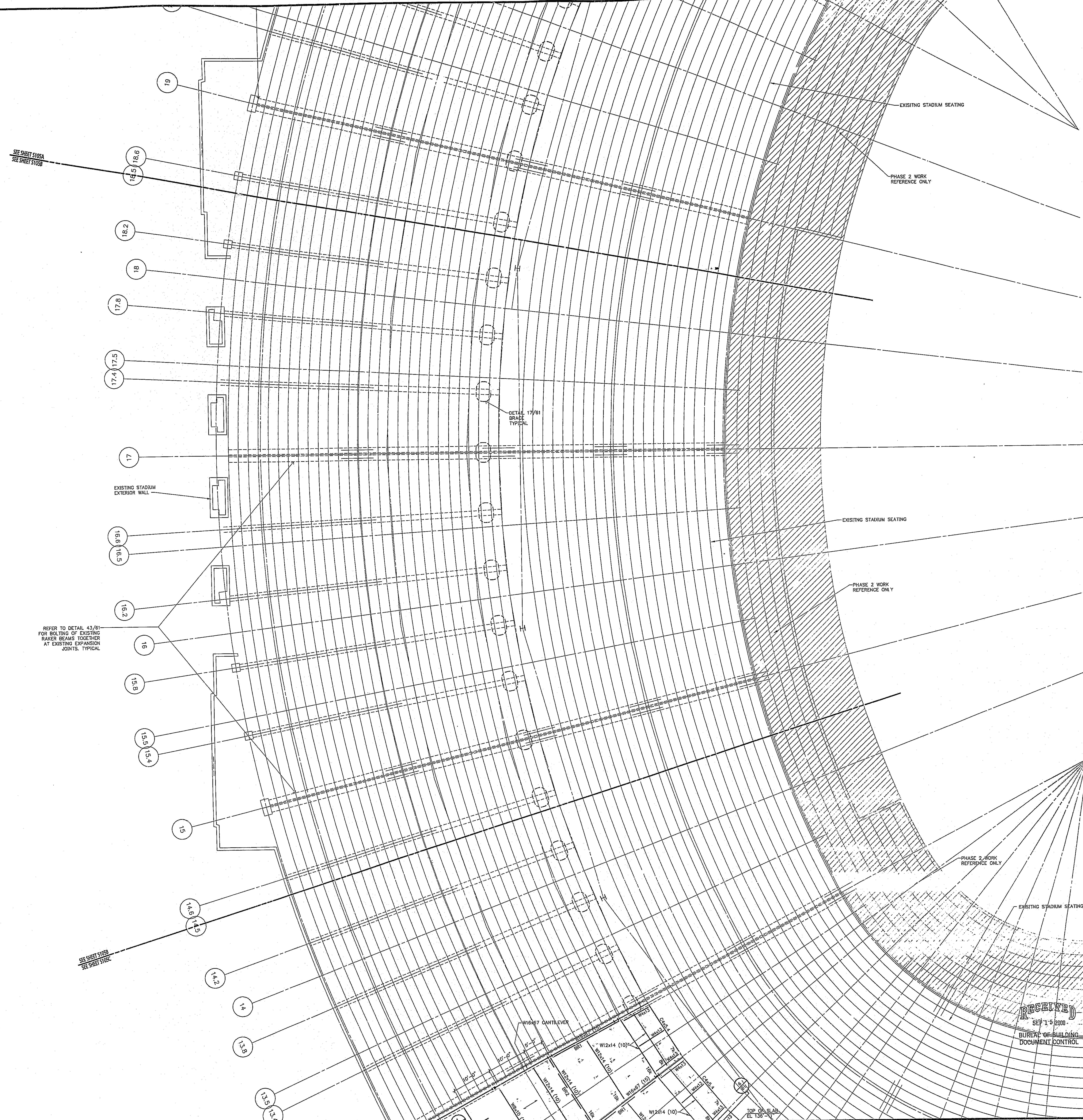
T. Zaro P.3 of 5.



Revision | Date | No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.944.5100
Facsimile: 503.944.5110

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.7600
Facsimile: 503.823.7692

Architecture / Structural, Mechanical and Electrical Engineering:
E B Architects
605 West 47th Street, Suite 200
Kansas City, MO 64112-1905
Telephone: 816.561.4443
Facsimile: 816.561.2863

Associate Architect
Fletcher, Farr, Ayotte, P.C.
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Portland, OR 97204
Telephone: 503.222.1661
Facsimile: 503.222.1701

Codes
FP&C Consultants, Inc.
9233 Ward Parkway, SUITE 225
Kansas City, MO 64112
Telephone: 816.523.3377
Facsimile: 816.523.8256

Construction Manager
Turner Construction Company
5200 S.W. MACADAM AVENUE
Portland, OR 97201
Telephone: 503.226.9825
Facsimile: 503.226.9836

Food Service
DGA Design, Inc.
10551 Shellbridge Way, Suite 100
Richmond, B.C. V6X2W9
Telephone: 604.232.9944
Facsimile: 604.232.9945

Acoustic Control
Pelton Marsh Kinsella
1420 W. Mockingbird Lane, Suite 400
Dallas, TX 75247
Telephone: [illegible].684.7444
Facsimile: 214.951.7408

Civil Engineer
Thomas / Wright, Inc.
7190 SW Fir Loop
Tigard, OR 97223
Telephone: 503.624.1468
Facsimile: 503.639.8397

Landscape Architect
Perron Collaborative
800 N.W. Sixth Ave., Suite 326
Portland, OR 97209
Telephone: 503.223.2266
Facsimile: 503.223.3217

Cost Estimating
Rider Hunt Levett & Bailey
620 S.W. Fifth Ave., Suite 900
Portland, OR 97204
Telephone: 503.226.2730
Facsimile: 503.226.1267

Acoustic Control
Michael A. Minor & Associates
3605 S.W. Kelly Avenue
Portland, OR 97201
Telephone: 503.220.0495
Facsimile: 503.796.0993

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON DEC.7, 1989 B. RICHARD WAITE

B. Richard Waite
SEP 13, 2000

← NORTH —

EB Architects

605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

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PRESS / SUITE 4 LEVEL FRAMING PLAN - AREA B

Scale 1/8"=1'-0"

Date 6 SEPT 2000 | Comm. No. 9890.0001.00
In Charge BRW | PHASE 1B
Drawn By ADC
Checked By BRW

S105B

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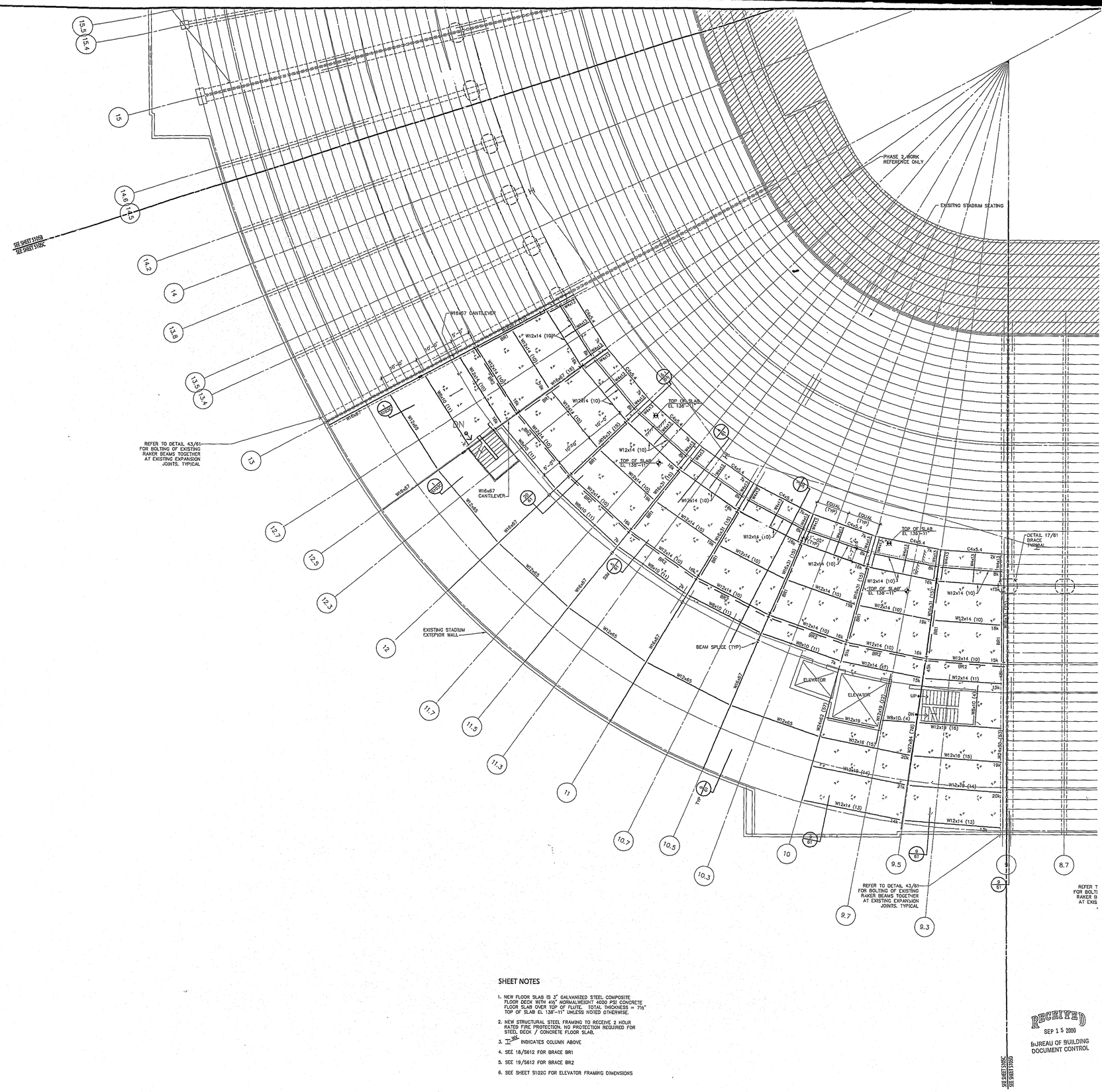
J. 1.3 THRU 3.5.

APR 4 2003 MICROFILMED



SHEET NOTES

1. NEW FLOOR SLAB IS 3" GALVANIZED STEEL COMPOSITE FLOOR DECK WITH 4½" NORMALWEIGHT 4000 PSI CONCRETE FLOOR SLAB OVER TOP OF FLUTE. TOTAL THICKNESS = 7½" TOP OF SLAB EL 138'-11" UNLESS NOTED OTHERWISE.
2. NEW STRUCTURAL STEEL FRAMING TO RECEIVE 2 HOUR RATED FIRE PROTECTION. NO PROTECTION REQUIRED FOR STEEL DECK / CONCRETE FLOOR SLAB.
3. $\frac{105}{I}$ INDICATES COLUMN ABOVE
4. SEE 18/S612 FOR BRACE BR1
5. SEE 19/S612 FOR BRACE BR2
6. SEE SHEET S102C FOR ELEVATOR FRAMING DIMENSIONS

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Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Skyline
Portland, OR 97225
Telephone: 503.944.3100
Facsimile: 503.944.3110

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.7600
Facsimile: 503.823.7682

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Telephone: 816.523.3773
Facsimile: 816.523.8256

Construction Manager
Turner Construction Company
5200 S.W. MACADAM AVENUE
Portland, OR 97201
Telephone: 503.226.5925
Facsimile: 503.226.5836

Food Service
DGA Design, Inc.
13551 Bellbridge Way, Suite 100
Richmond, B.C. V6V2H9
Telephone: 604.233.9944
Facsimile: 604.233.9945

Acoustic Control
Petton March Kinsella
1420 W. Mockingbird Lane, Suite 400
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Telephone: 214.684.2444
Facsimile: 214.855.7408

Civil Engineer
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Tigard, OR 97223
Telephone: 503.624.1468
Facsimile: 503.639.3757

Landscape Architect
Petron Collaborative
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Portland, OR 97209
Telephone: 503.223.2266
Facsimile: 503.223.2317

Cost Estimating
Rider Hunt Levett & Bailey
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Portland, OR 97204
Telephone: 503.226.2720
Facsimile: 503.226.1521

Acoustic Control
Michael A. Minor & Associates
1600 S.W. Kelly Avenue
Portland, OR 97201
Telephone: 503.220.0695
Facsimile: 503.796.0983

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON JANUARY 7, 1983 RENEWAL DATE 6/30/01
SEP 13 2000

← NORTH →

EB Architects
605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

City of Portland APPROVED SEP 18 2000 BUREAU OF BUILDING

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PRESS / SUITE 4 LEVEL
FRAMING PLAN - AREA C

Scale 1/8"=1'-0"

Date 6 SEPT 2000 Comm. No. 9890.0001.00
In Charge BRW PHASE 1B
Drawn By ADC
Checked By BRW

S105C

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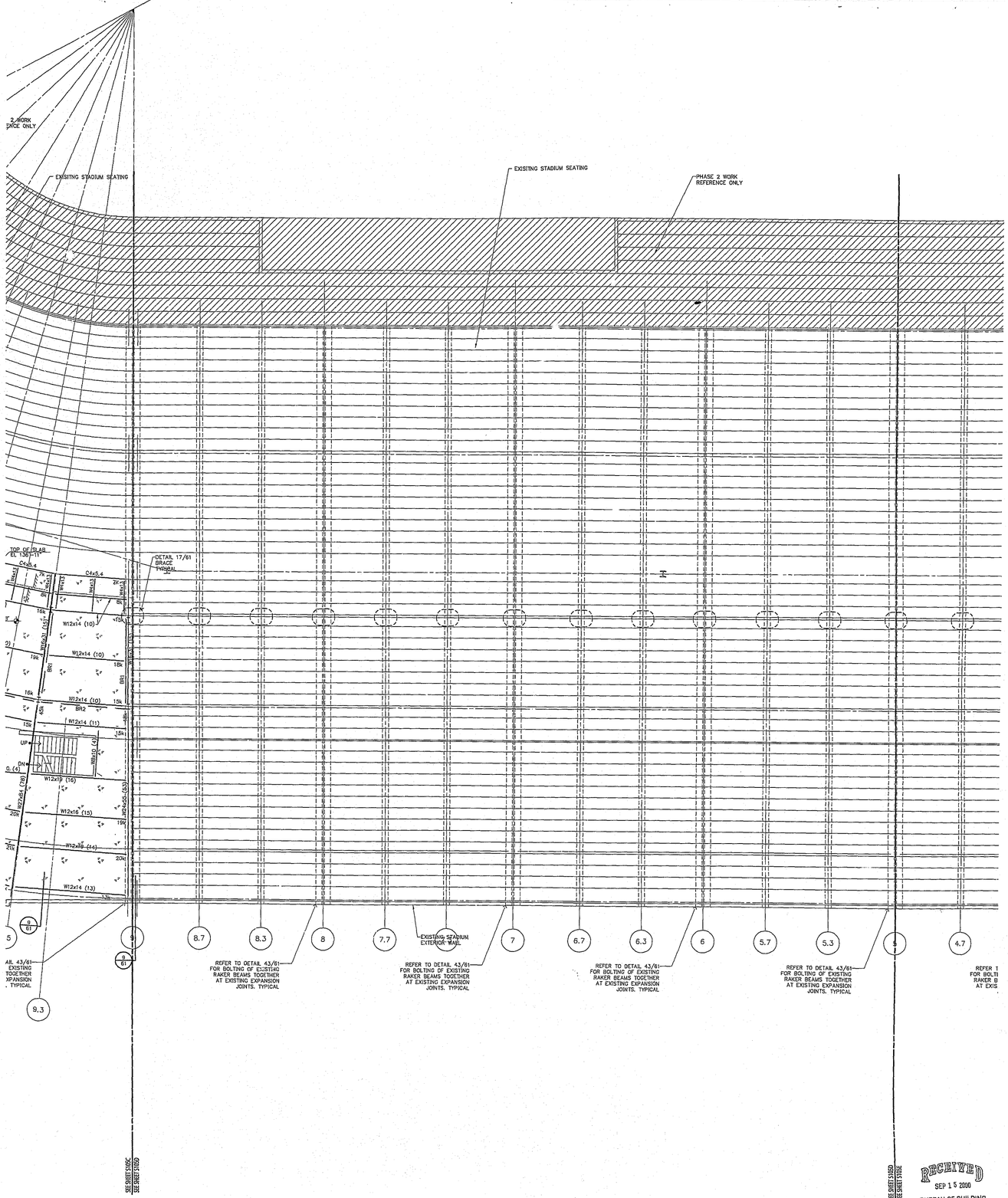
U. Zero 1.345



Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1719 SW Madison
Portland, OR 97205
Telephone: 503.841.5300
Facsimile: 503.944.5010

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.7800
Facsimile: 503.823.7998

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Telephone: 816.523.3377
Facsimile: 816.523.8256

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Portland, OR 97201
Telephone: 503.226.5625
Facsimile: 503.226.9816

Food Service
DGA Design, Inc.
10251 Shellbridge Way, Suite 100
Richmond, B.C. V6X2W8
Telephone: 604.232.9666
Facsimile: 604.233.9945

Acoustic Control
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Telephone: 214.684.7444
Facsimile: 214.951.7458

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Facsimile: 503.639.8207

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Facsimile: 503.226.1267

Acoustic Control
Michael A. Minor & Associates
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Portland, OR 97221
Telephone: 503.220.0470
Facsimile: 503.796.0993

REGISTERED PROFESSIONAL ENGINEER
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OREGON
DEC. 31, 1985
B. RICHARD WATT
SEP 13, 2000

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PRESS / SUITE 4 LEVEL
FRAMING PLAN - AREA D

Scale 1/8"=1'-0"

Date 6 SEPT 2000 Comm. No. 9890.0001.00
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Drawn By AOC
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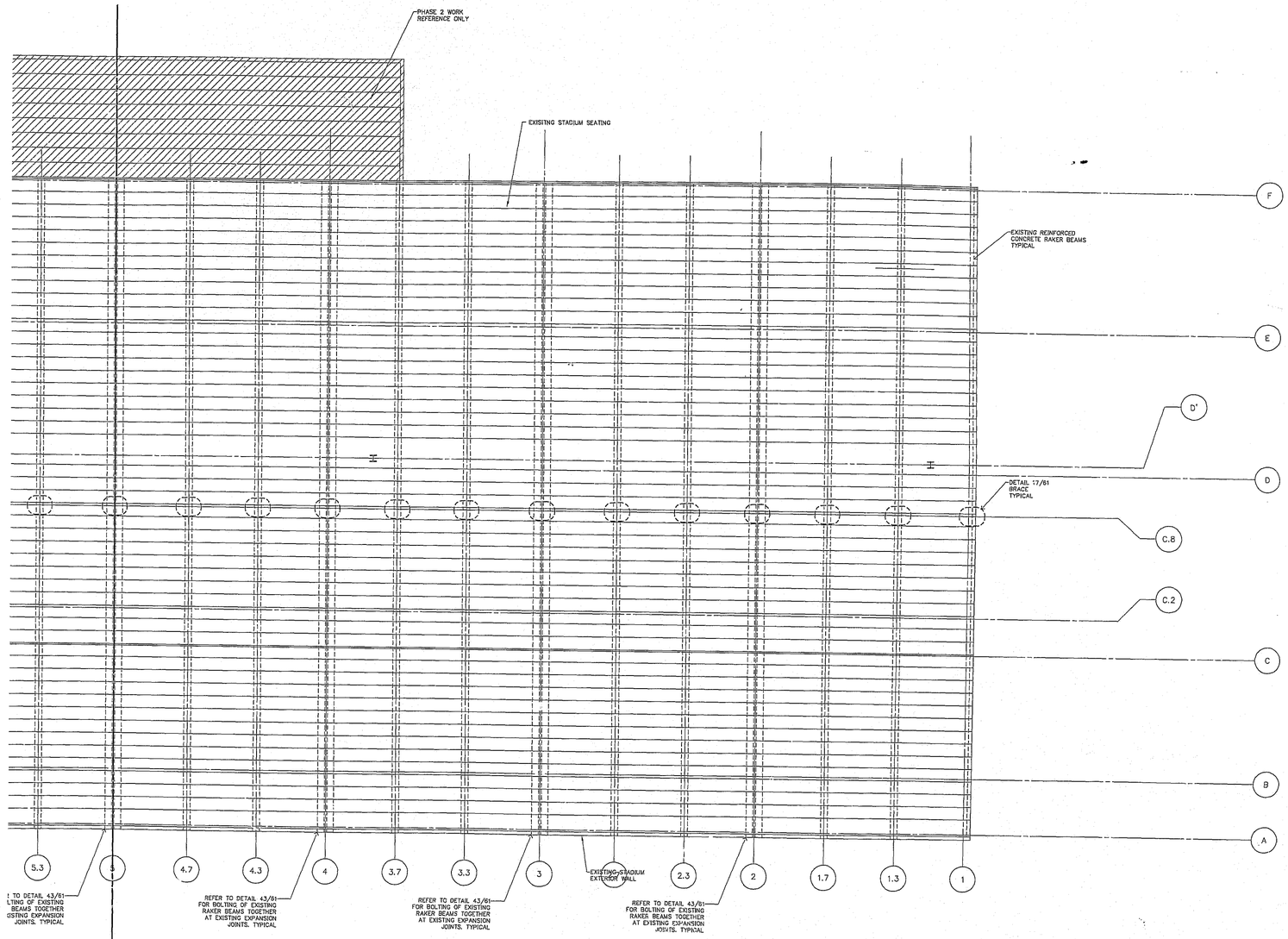

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.944.5100
Facsimile: 503.944.5110

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Portland, OR 97204
Telephone: 503.823.7600
Facsimile: 503.823.7603

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Telephone: 816.561.4443
Facsimile: 816.561.2868

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Facsimile: 503.222.1721

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Telephone: 816.523.3377
Facsimile: 816.523.4256

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Portland, OR 97201
Telephone: 503.226.8825
Facsimile: 503.226.98216

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10551 Shellbridge Way, Suite 100
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Facsimile: 604.232.9545

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PRESS / SUITE 4 LEVEL
FRAMING PLAN - AREA E

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Date 6 SEPT 2000 Comm. No. 9890.0001.00
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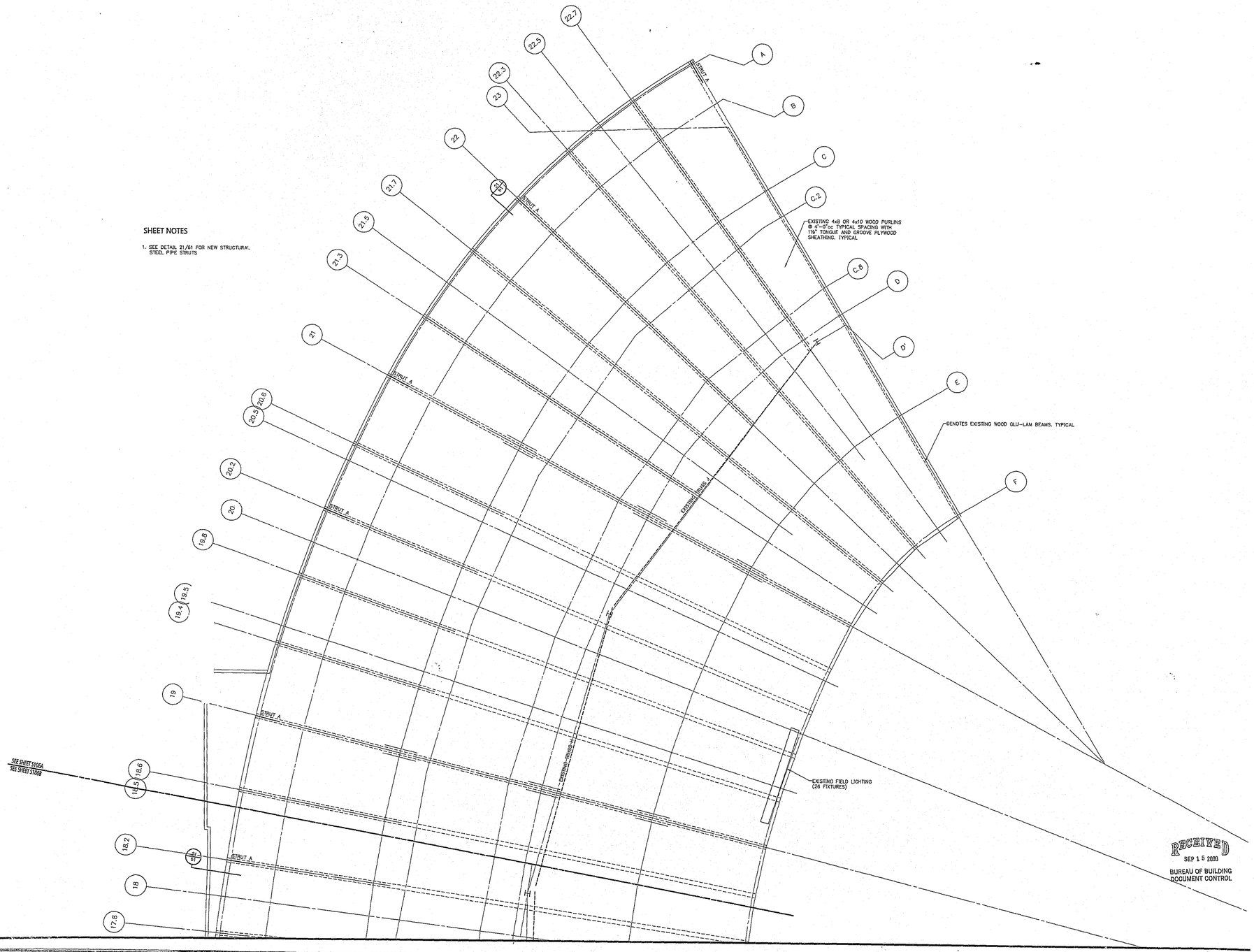
SHEET NOTES

1. SEE DETAIL 21/S1 FOR NEW STRUCTURAL STEEL PIPE STRUTS



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Revision — Date — No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
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ROOF
FRAMING PLAN - AREA A
Scale 1/8"=1'-0"

Date 23 JUNE 2000 Comm. No. 9890.0001.00
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Checked By BRW

S106A

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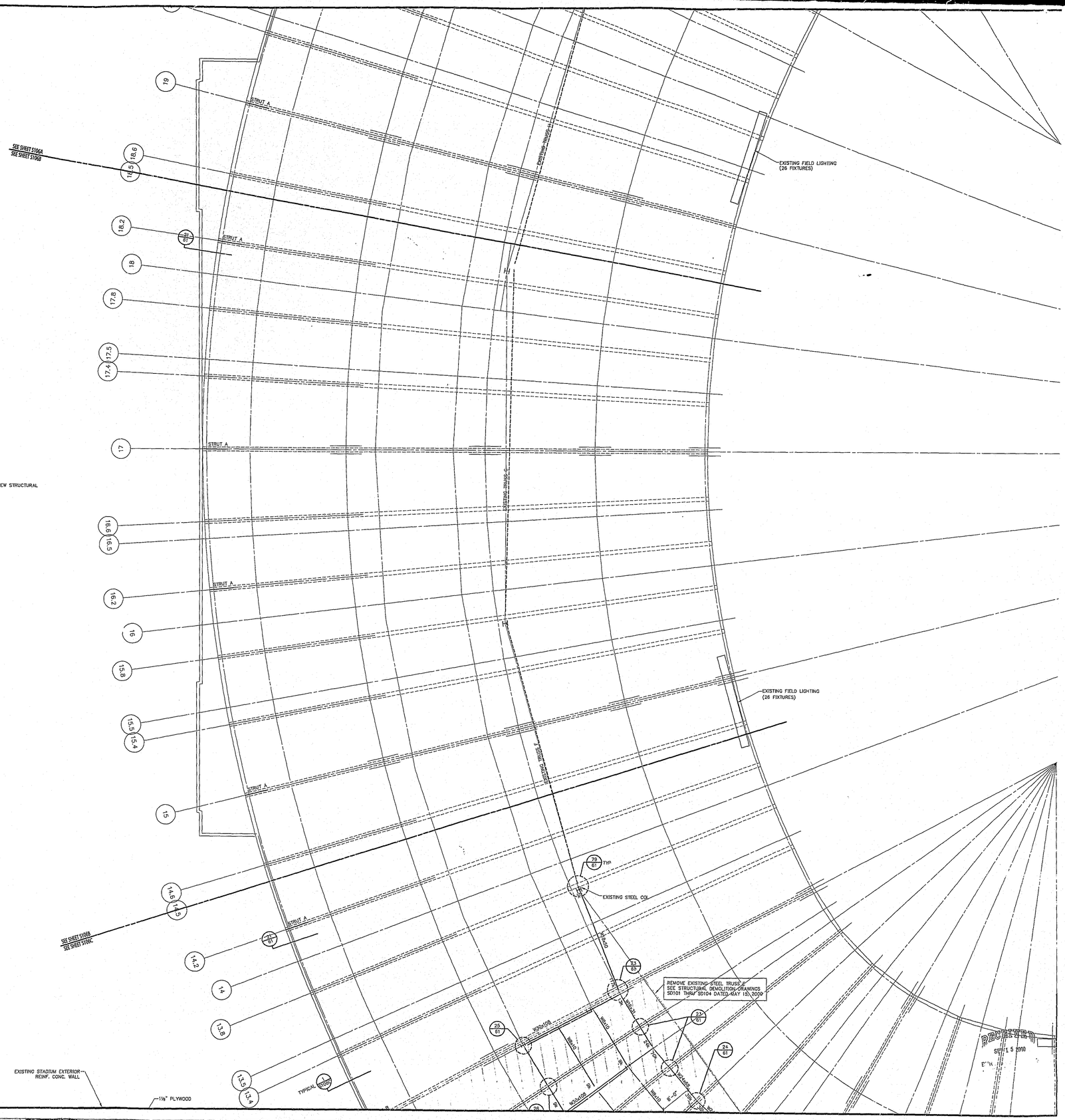

SHEET NOTES

1. SEE DETAIL 21/61 FOR NEW STRUCTURAL STEEL PIPE STRUTS

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T. Zaro 1.3.#5.

Revision	Date	No.

"ACME - ACME" STADIUM

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Facsimile: 503.796.0993

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON DEC. 31, 1999 RENEWAL DATE

R. Rider Hunt
SEP 13, 2000

EB Architects

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Kansas City, MO 64112-1905
816 561 4443

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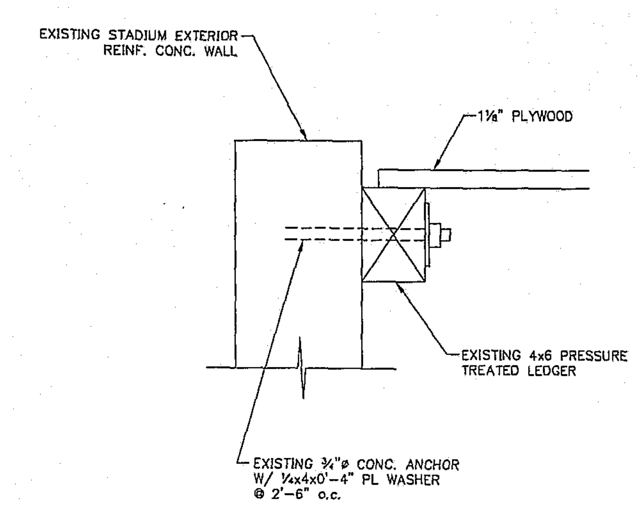
ROOF
FRAMING PLAN - AREA B

Scale 1/8"=1'-0"

Date 23 JUNE 2000 Comm. No. 9890.0001.00
In Charge BRW PHASE 1B
Drawn By ADC
Checked By BRW

S106B

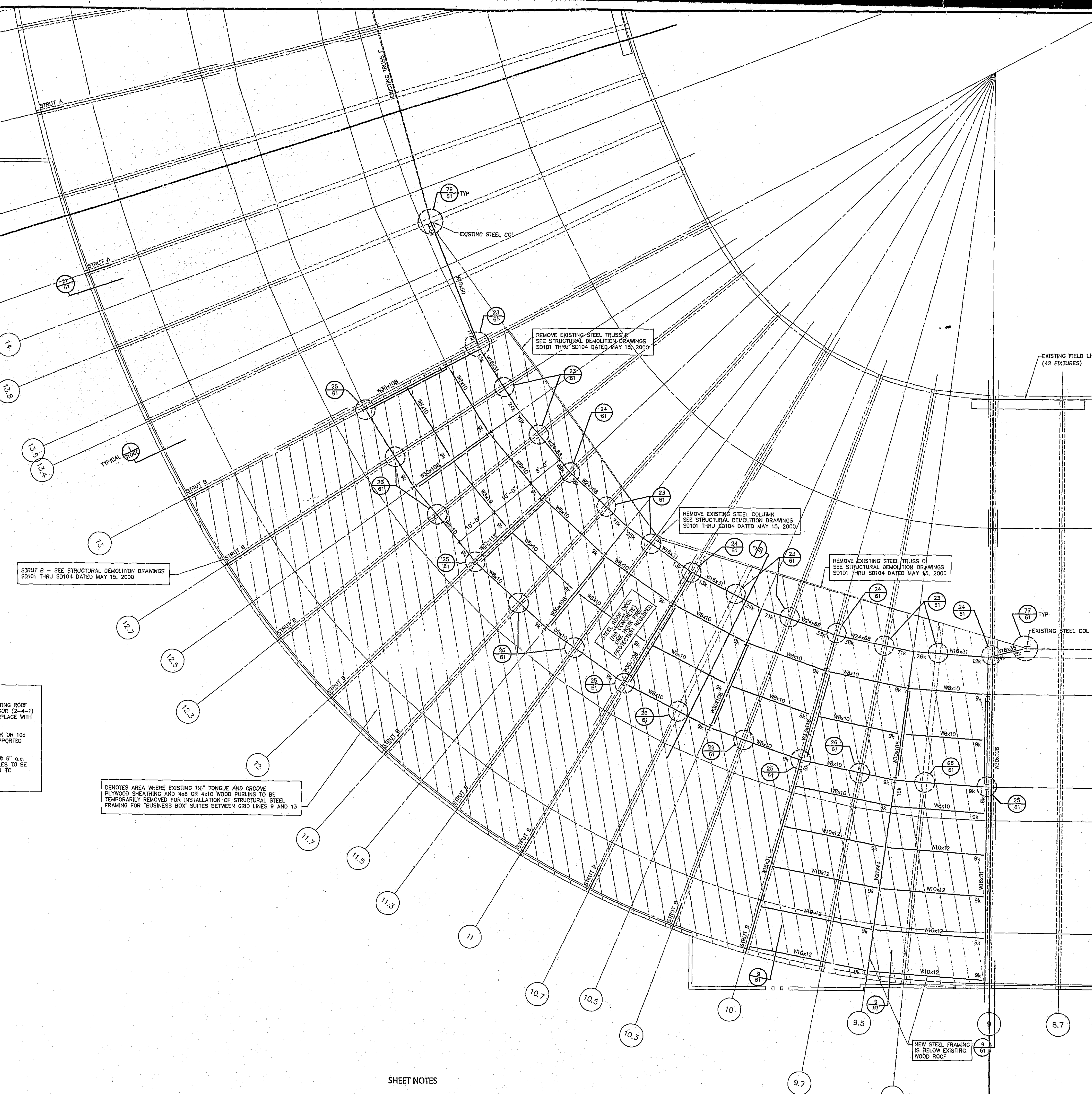


1/S106C DETAIL

AFTER TEMPORARY REMOVAL OF EXISTING ROOF 1⅛" PLYWOOD T&G APA STURD-I-FLOOR (2-4-1) INT WITH EXT. GLUE SHEATHING – REPLACE WITH SAME OR EQUIVALENT.

FASTEN WITH 8d COMMON RING SHANK OR 10d COMMON NAILS @ 6" o.c. AT ALL SUPPORTED EDGES.

FASTEN WITH 1"x⅜"x16 GA STAPLES @ 6" o.c. ALONG ALL UNBLOCKED EDGES. STAPLES TO BE LOCATED ⅜" FROM JOINT AND DRIVEN TO PENETRATE TONGUE.



SHEET NOTES

1. NEW ROOF SLAB IS 3" GALVANIZED STEEL ROOF DECK. TOP OF STEEL EL 148'-6" UNLESS NOTED OTHERWISE.
2. NEW STRUCTURAL STEEL FRAMING TO RECEIVE 2 HOUR RATED FIRE PROTECTION. STEEL ROOF DECK TO RECEIVE TWO HOUR RATED FIRE PROTECTION.
3. SEE DETAIL 21/61 AND 22/61 FOR NEW STRUCTURAL STEEL PIPE STRUTS
4. SEE 18/S612 FOR BRACE BR1
5. SEE 19/S612 FOR BRACE BR2

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"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

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Facsimile 503.796.0993

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON DEC. 7, 1989 B. RICHARD WAITE
B. Richard Waite
SEP 13, 2000

← NORTH —

EB Architects
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Kansas City, MO 64112-1905
816 561 4443

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ROOF
FRAMING PLAN - AREA C
Scale 1/8"=1'-0"

Date 06 SEPT 2000	Comm. No. 9890.0001.00
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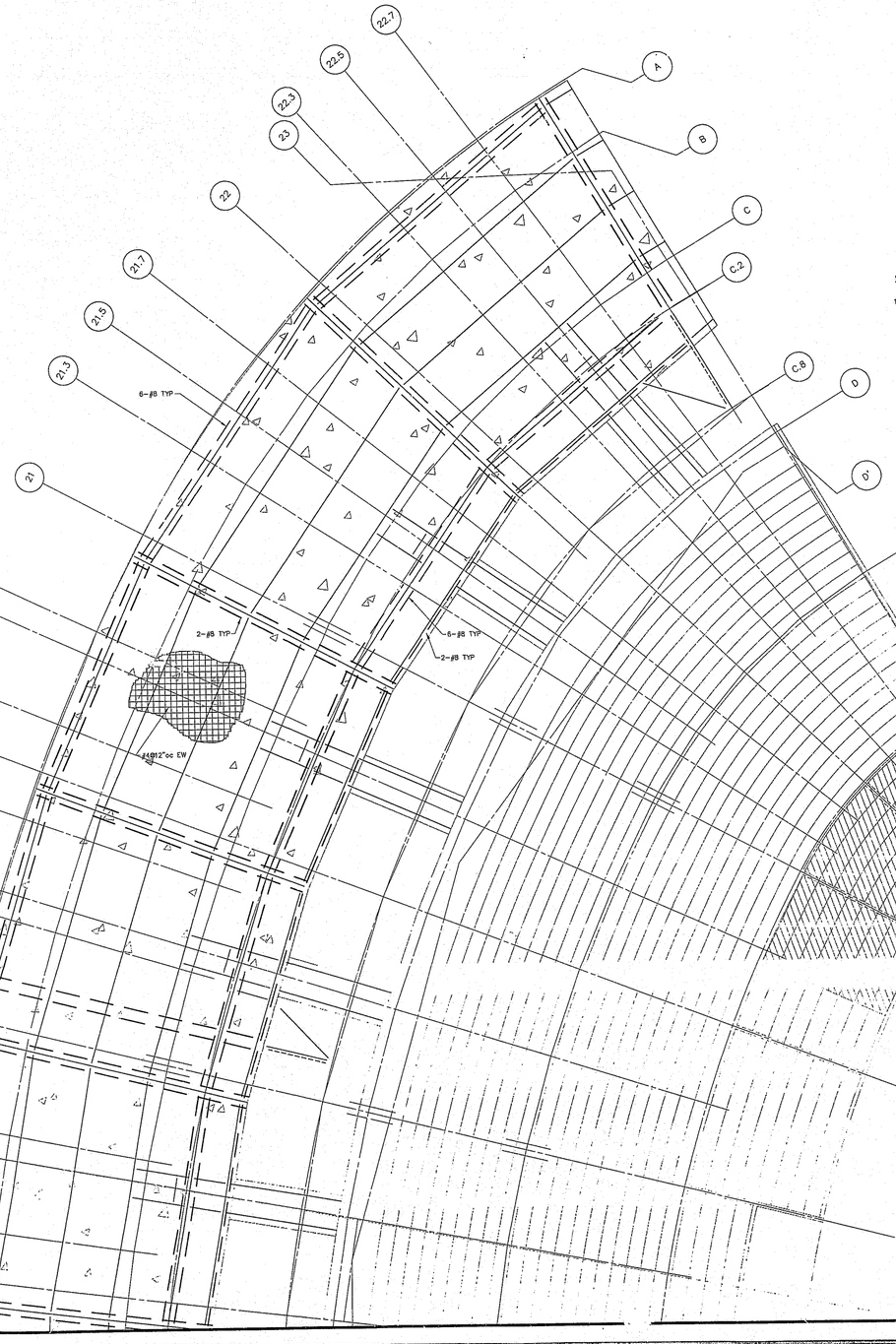

SHEET NOTES

1. REFER TO SHEET S601, DETAIL 10/S0 FOR LAP SPLICE SCHEDULE AND DETAIL 11/S0 FOR TYPICAL LAP SPLICE LOCATIONS.

Revision | Date | No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
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Facsimile: 503.225.9606

...ood Service
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Richmond, B.C. V6X2W9
Telephone: 604.232.9544
Facsimile: 604.232.9545

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REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL ENGINEER
14719
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RICHARD WOLT
SEP 13, 2000

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MAIN CONCOURSE / SUITE 1 LEVEL SLAB REINFORCING PLAN - AREA A

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Date 23 JUNE 2000 Comm. No. 9890.0001.00
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S107A

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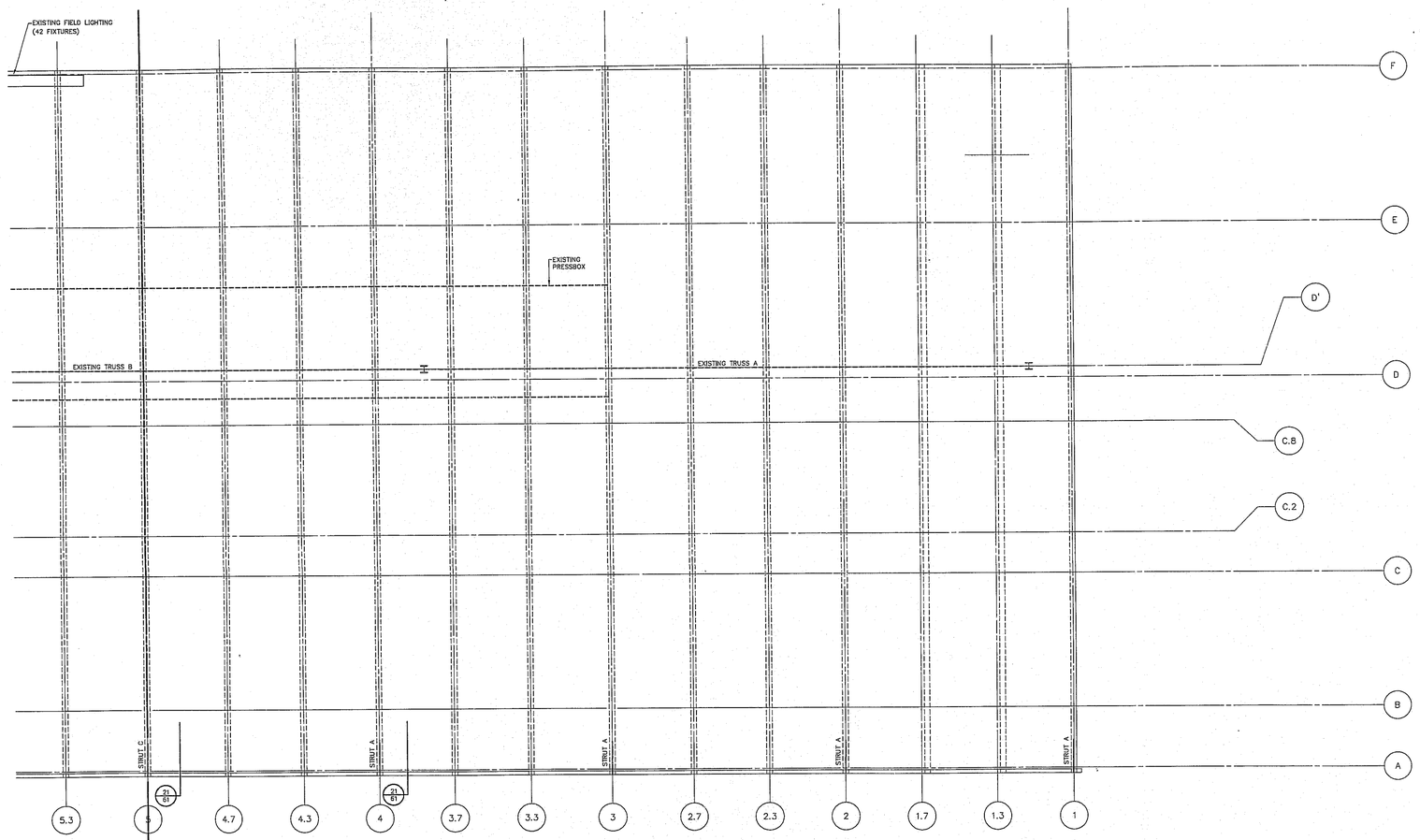

SHEET NOTES

1. SEE DETAIL 21/61 FOR NEW STRUCTURAL STEEL PIPE STRUTS

APR 4 2003 MICROFILMED

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T.J. Zero P.3#5.

Revision	Date	No.

"ACME - ACME" STADIUM

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Facsimile: 503.220.9826

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Facsimile: 604.232.9545

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REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON OCT. 7, 1999 RICHARD WEST

B Richard West
SEP 13, 2000

← NORTH →

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Kansas City, MO 64112-1905
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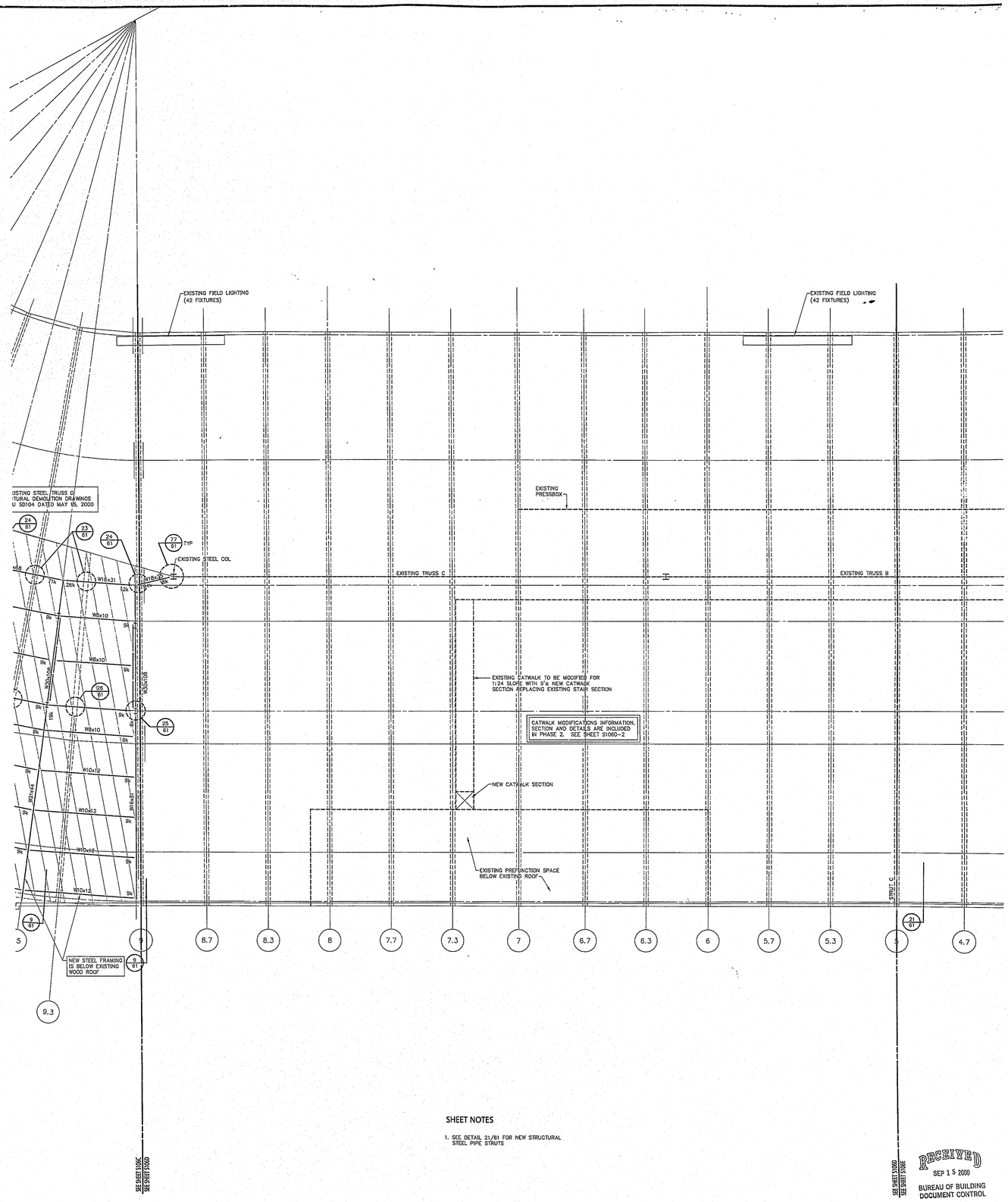

SHEET NOTES

1. SEE DETAIL 21/61 FOR NEW STRUCTURAL STEEL PIPE STRUTS

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Revision	Date	No.

"ACME - ACME" STADIUM

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Facimile: 214.951.7428

Civil Engineer
Thomas / Wright, Inc.
7150 SW Hunziker
Tigard, OR 97223
Telephone: 503.624.1408
Facimile: 503.620.2397

Landscape Architect
Perron Collaborative
800 NW. Sixth Ave., Suite 326
Portland, OR 97209
Telephone: 503.223.2166
Facimile: 503.223.2317

Cost Estimating
Rider Hunt Levett & Bailey
620 S.W. Fifth Ave., Suite 900
Portland, OR 97204
Telephone: 503.226.3723
Facimile: 503.226.3257

Acoustic Control
Michael A. Minor & Associates
3605 S.W. Sixty Avenue
Portland, OR 97201
Telephone: 503.230.0405
Facimile: 503.796.0993

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON BRET L. VAN B. RICHARD WALKER
SEP 13, 2000

← NORTH →

EB Architects

605 West 47th Street
Kansas City, MO 64112-1905
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ROOF
FRAMING PLAN - AREA D
Scale 1/8"=1'-0"

Date	23 JUNE 2000
In Charge	BRW
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Checked By	BRW
Comm. No.	9890.0001.00
	PHASE 1B

S106D

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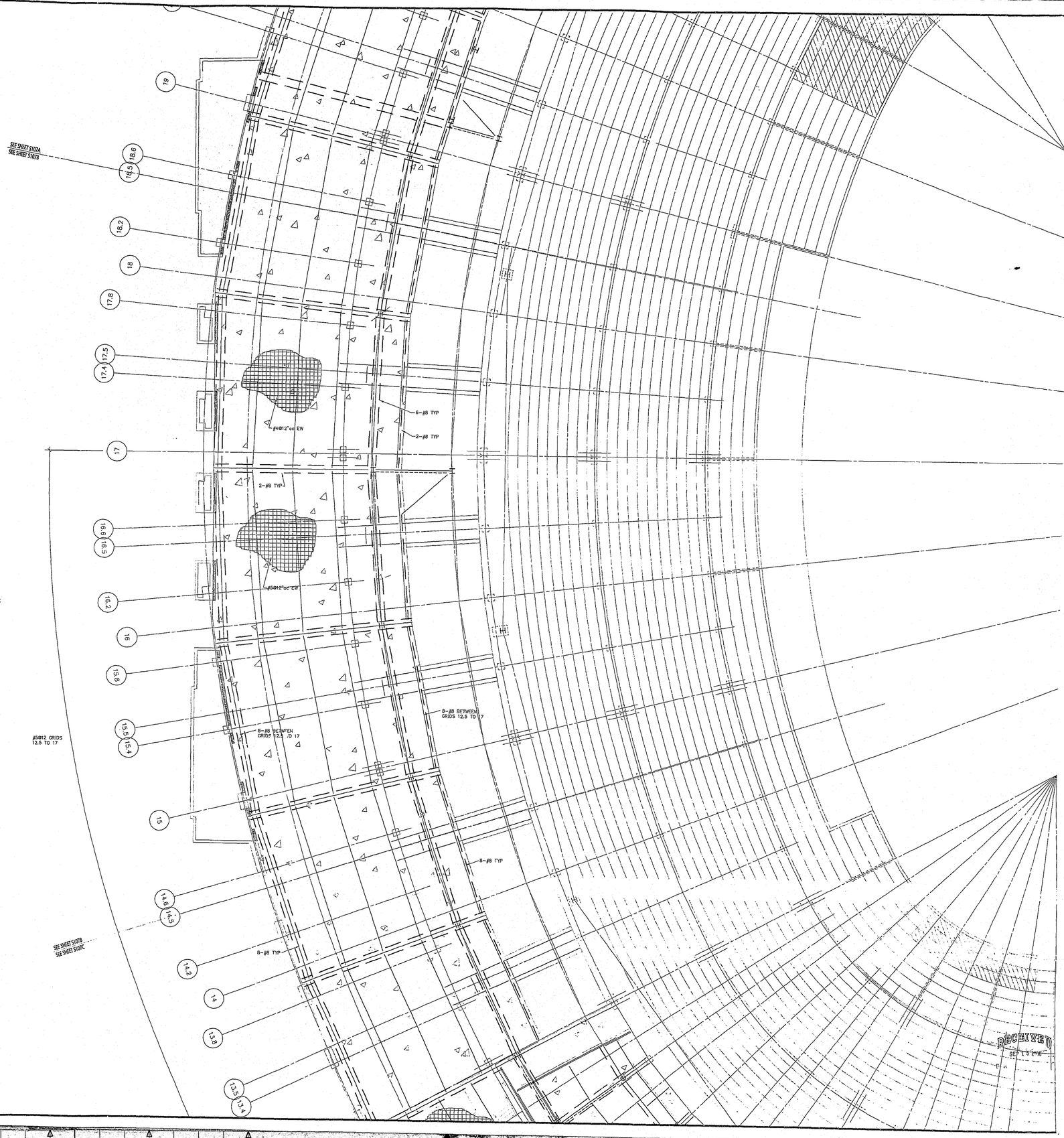

SHEET NOTES

1. REFER TO SHEET S601, DETAIL 10/60 FOR LAP SPLICE SCHEDULE AND DETAIL 11/60 FOR TYPICAL LAP SPLICE LOCATIONS.

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APR 4 2003
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Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.964.5100
Facsimile: 503.944.5110

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.923.7900
Facsimile: 503.823.7920

Architecture / Structural, Mechanical and Electrical Engineering:
E B Architects
605 West 47th Street, Suite 200
Kansas City, MO 64112-1905
Telephone: 816.561.4443
Facsimile: 816.561.2865

Associate Architect
Fletcher, Farr, Ayotte, P.C.
208 S.W. Third Ave., Suite #200
Portland, OR 97204
Telephone: 503.222.1561
Facsimile: 503.222.1701

Color
FP&C Consultants, Inc.
8233 Ward Parkway, SUITE 321
Kansas City, MO 64112
Telephone: 816.523.2277
Facsimile: 816.523.8260

Construction Manager
Turner Construction Company
3200 S.W. MACADAM AVENUE
Portland, OR 97201
Telephone: 503.226.5925
Facsimile: 503.226.5926

Road Review
DGA Design, Inc.
10551 Shellbridge Way, Suite 100
Richmond, B.C. V6X2W9
Telephone: 604.232.9944
Facsimile: 604.232.9945

Acoustic Control
Pelton Marsh Kinsella
1420 W. Mockingbird Lane, Suite 400
Dallas, TX 75247
Telephone: 214.684.7444
Facsimile: 214.855.7408

Civil Engineer
Thomas / Wright, Inc.
3180 SW Fir Loop
Tigard, OR 97223
Telephone: 503.624.1408
Facsimile: 503.639.0397

Landscape Architect
Perron Collaborative
800 N.W. Sixth Ave., Suite 226
Portland, OR 97209
Telephone: 503.223.2266
Facsimile: 503.223.2317

Cost Estimating
Rider Hunt Levett & Bailey
620 S.W. Fifth Ave., Suite 900
Portland, OR 97204
Telephone: 503.295.2720
Facsimile: 503.226.1267

Acoustic Control
Michael A. Minor & Associates
3405 S.W. Kelly Avenue
Portland, OR 97201
Telephone: 503.220.0495
Facsimile: 503.790.0993

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON RICHARD WARE
SEP 13 2000

← NORTH →

EB Architects
605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

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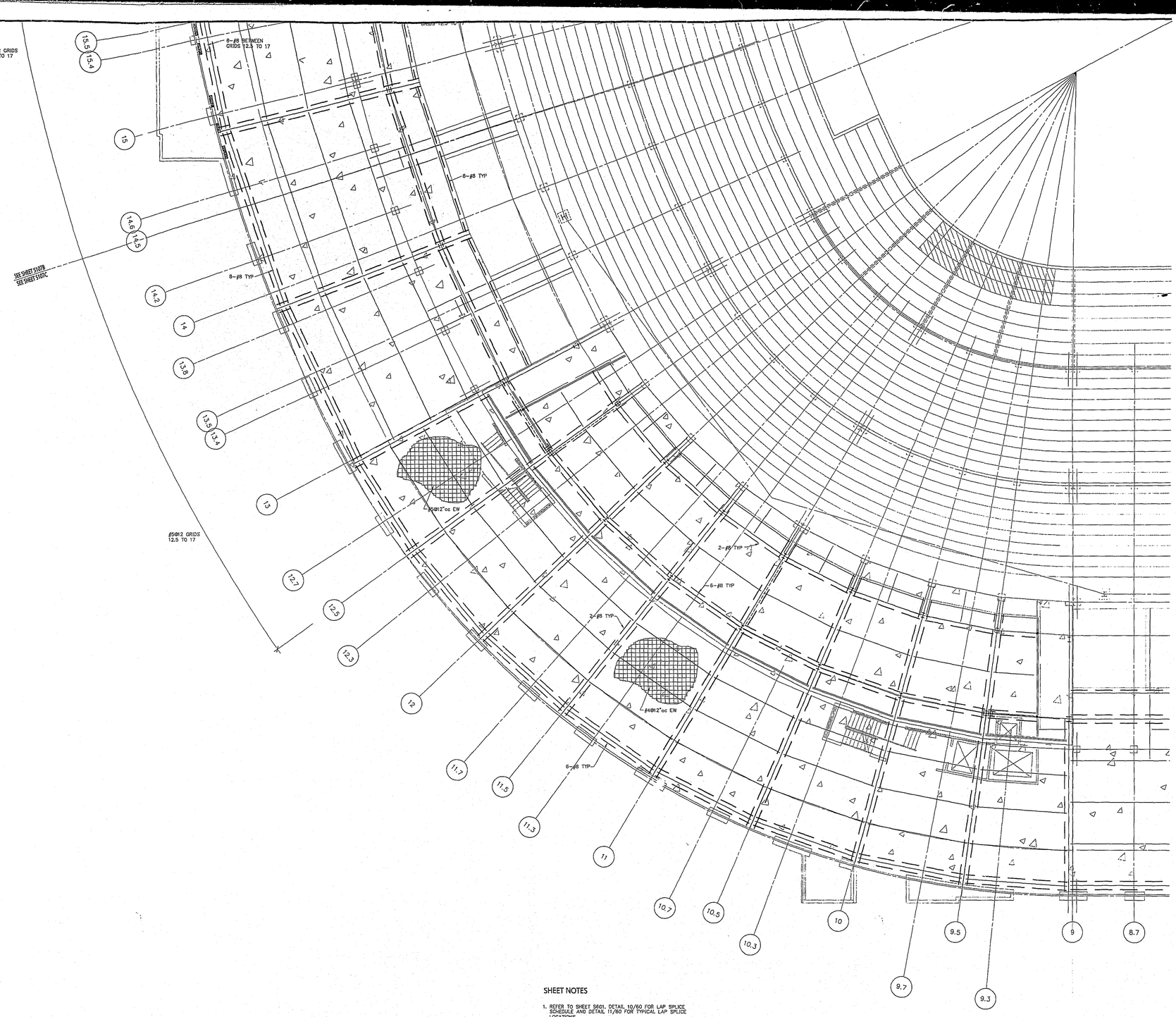
MAIN CONCOURSE / SUITE 1 LEVEL SLAB REINFORCING PLAN - AREA B

Scale 1/8"=1'-0"

Date	23 JUNE 2000	Comm. No.	9890.0001.00
In Charge	BRW	PHASE	1B
Drawn By	ADC		
Checked By	BRW		S107B



SHEET NOTES

1. REFER TO SHEET S601, DETAIL 10/60 FOR LAP SPLICE SCHEDULE AND DETAIL 11/60 FOR TYPICAL LAP SPLICE LOCATIONS.

← NORTH →

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.944.9100
Facsimile: 503.944.9110

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.7600
Facsimile: 503.823.7602

Architecture / Structural, Mechanical and Electrical Engineering:
E B Architects
605 West 47th Street, Suite 100
Kansas City, MO 64112-1905
Telephone: 816.561.4443
Facsimile: 816.561.2863

Associate Architect
Fletcher, Farr, Ayotte, P.C.
708 S.W. Third Ave., Suite #200
Portland, OR 97204
Telephone: 503.223.1681
Facsimile: 503.222.1703

Civils
FP&C Consultants, Inc.
8233 Ward Parkway, SUITE 220
Kansas City, MO 64112
Telephone: 816.523.3377
Facsimile: 816.523.0256

Construction Manager
Turner Construction Company
5200 S.W. MACADAM AVENUE
Portland, OR 97201
Telephone: 503.239.5925
Facsimile: 503.239.5859

Food Service
DGA Design, Inc.
10255 Stuebridge Way, S.yc 100
Richmond, B.C. V6X2W9
Telephone: 604.232.9944
Facsimile: 604.232.9945

Acoustic Control
Pelton Marsh Kinsella
1420 W. Mockingbird Lane, Suite 400
Dallas, TX 75247
Telephone: 214.904.1164
Facsimile: 214.951.7408

Civil Engineer
Thomas / Wright, Inc.
7190 SW Fir Loop
Tigard, OR 97223
Telephone: 503.624.1408
Facsimile: 503.533.8967

Landscape Architect
Perron Collaborative
900 N.W. Sixth Ave., Suite 206
Portland, OR 97209
Telephone: 503.223.2266
Facsimile: 503.223.2277

Cost Estimating
Rider Hunt Levett & Bailey
620 S.W. Fifth Ave., Suite 800
Portland, OR 97204
Telephone: 503.226.2719
Facsimile: 503.226.1267

Acoustic Consul
Michael A. Minor & Associates
2905 S.W. Kelly Avenue
Portland, OR 97201
Telephone: 503.226.0405
Facsimile: 503.796.0983

REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL ENGINEER
14719
OREGON
DEC. 7, 1990
R. RICHARD WEST

SEP 13, 2000

EB Architects

605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

City of Portland
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SEP 18 2000

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MAIN CONCOURSE / SUITE 1 LEVEL
SLAB REINFORCING PLAN - AREA C

Scale 1/8"=1'-0"

Date 23 JUNE 2000 Comm. No. 9890.0001.00
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Checked By BRW

S107C

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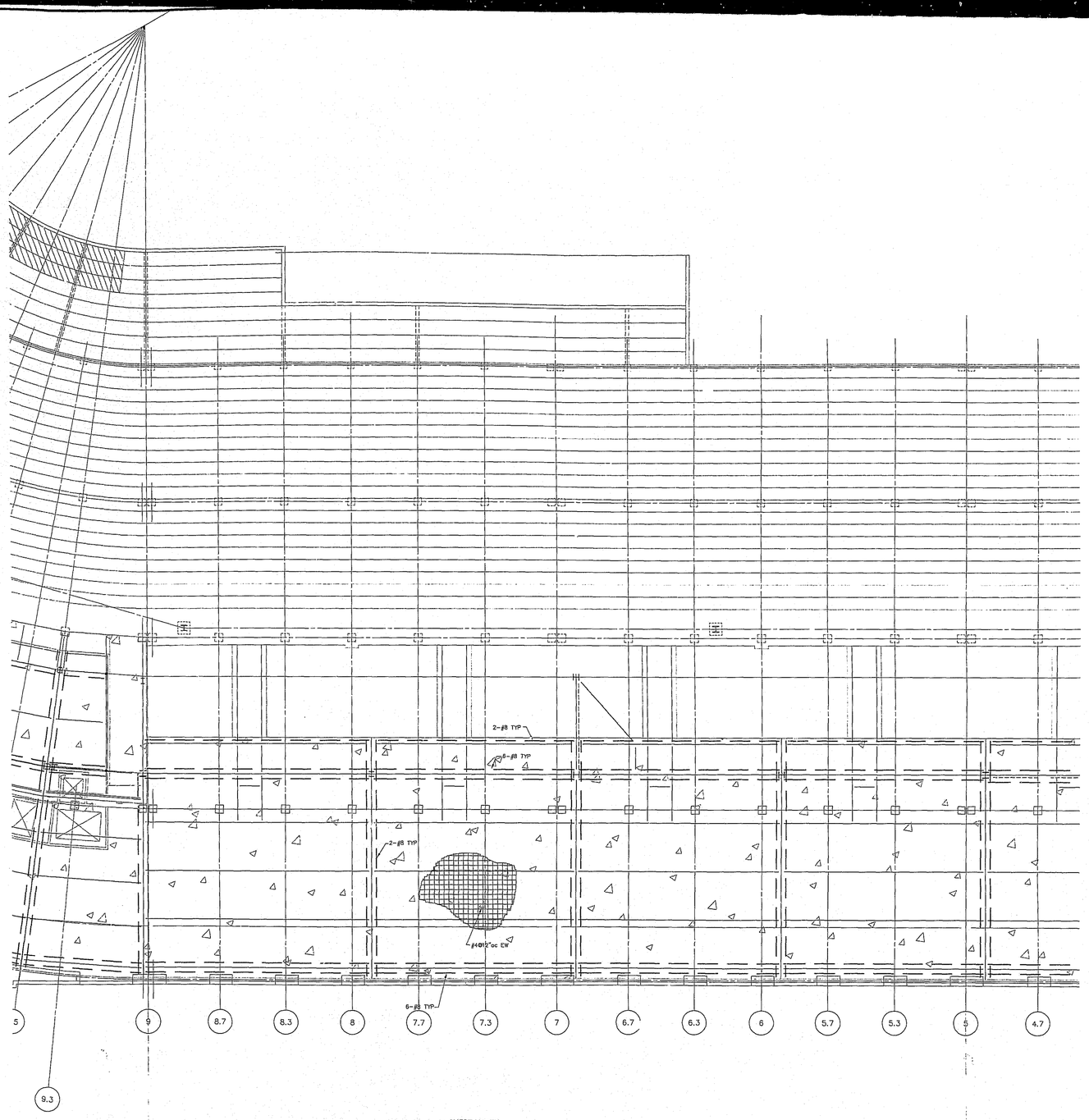

SHEET NOTES

1. REFER TO SHEET S601, DETAIL 10/60 FOR LAP SPLICE SCHEDULE AND DETAIL 11/60 FOR TYPICAL LAP SPLICE LOCATIONS.

SEE SHEET S104C
SEE SHEET S107D
SEE SHEET S107D
SEE SHEET S107E

← NORTH →

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.944.5500
Facsimile: 503.944.5519

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.7000
Facsimile: 503.823.7002

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E B Architects
605 West 47th Street, Suite 300
Kansas City, MO 64112-1905
Telephone: 816.561.4443
Facsimile: 816.561.2063

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Portland, OR 97204
Telephone: 503.222.1001
Facsimile: 503.223.1701

Codes
FP&C Consultants, Inc.
9233 Ward Parkway, SUITE 225
Kansas City, MO 64112
Telephone: 816.523.2277
Facsimile: 816.523.8256

Construction Manager
Turner Construction Company
5200 S.W. MACADAM AVENUE
Portland, OR 97205
Telephone: 503.226.5525
Facsimile: 503.226.5656

Food Service
DGA Design, Inc.
10551 Shellbridge Way, Suite 100
Richmond, B.C. V6X2W9
Telephone: 604.233.0644
Facsimile: 604.232.0645

Acoustic Control
Pelton Marsh Kinsella
14241 N. Mockingbird Lane, Suite 406
Dallas, TX 75247
Telephone: 214.684.3444
Facsimile: 214.953.2428

Civil Engineer
Thomas / Wright, Inc.
7190 SW FH Loop
Tigard, OR 97223
Telephone: 503.624.1468
Facsimile: 503.639.8397

Landscape Architect
Perron Collaborative
900 N.W. 26th Ave., Suite 215
Portland, OR 97209
Telephone: 503.223.2266
Facsimile: 503.223.1927

Cost Estimating
Rider Hunt Levett & Bailey
6 "3 S.W. Fifth Ave., Suite 900
Portland, OR 97204
Telephone: 503.226.2722
Facsimile: 503.226.1957

Acoustic Control
Michael A. Minor & Associates
3000 S.W. Kelly Avenue
Portland, OR 97201
Telephone: 503.220.0495
Facsimile: 503.796.0893

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14710 OREGON JULY 1, 1989 RICHARD WERT

SEP 13, 2000

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Kansas City, MO 64112-1905
816 561 4443

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SEP 18 2000

MAIN CONCOURSE / SUITE 1 LEVEL
SLAB REINFORCING PLAN - AREA D

Scale 1/8"=1'-0"

Date 23 JUNE 2000 Comm. No. 9890.0001.00
In Charge BRW PHASE 1B
Drawn By ADC
Checked By BRW

S107D

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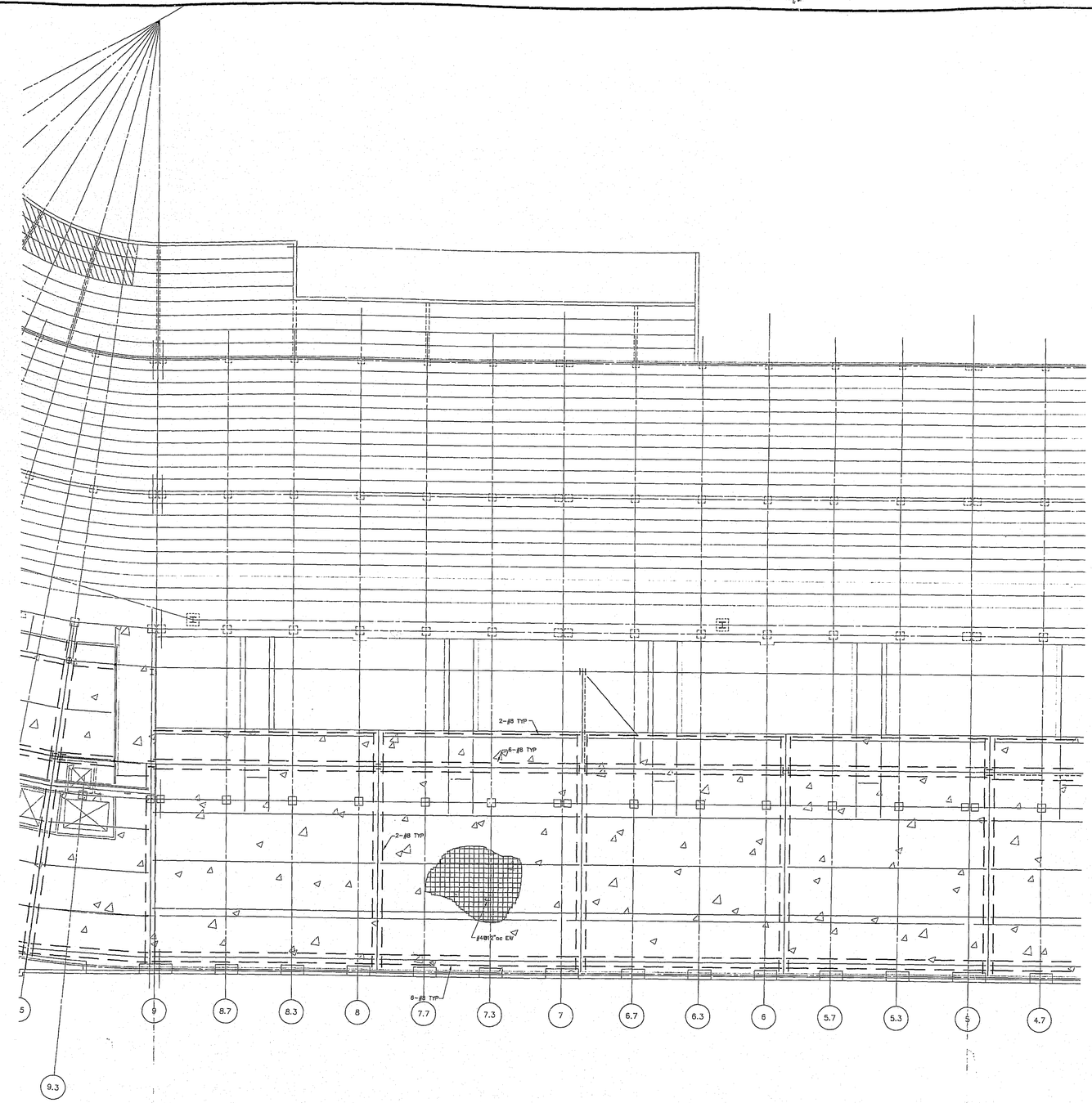

SHEET NOTES

1. REFER TO SHEET S601, DETAIL 10/S60 FOR LAP SPLICE SCHEDULE AND DETAIL 11/S60 FOR TYPICAL LAP SPLICE LOCATIONS.

SEE SHEET S107C
SEE SHEET S107D

SEE SHEET S107E
SEE SHEET S107B

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Stadium
Portland, OR 97205
Telephone: 503.944.5100
Facsimile: 503.944.5110

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.2600
Facsimile: 503.823.5102

Architecture / Structural, Mechanical and Electrical Engineering:
E B Architects
605 West 47th Street, Suite 200
Kansas City, MO 64112-1905
Telephone: 816.561.4443
Facsimile: 816.531.2870

Associate Architect
Fletcher, Farr, Ayotte, P.C.
700 S.W. Third Ave., Suite #200
Portland, OR 97204
Telephone: 503.222.6163
Facsimile: 503.222.7701

Civil
FP&C Consultants, Inc.
9233 West Parkway, SUITE 225
Kansas City, MO 64132
Telephone: 816.533.3277
Facsimile: 816.533.8258

Construction Manager
Turner Construction Company
5200 S.W. MACADAM AVENUE
Portland, OR 97201
Telephone: 503.226.0825
Facsimile: 503.226.9856

Food Service
DG4 Design, Inc.
10551 Shellbridge Way, Suite 100
Richmond, B.C. V6X2W9
Telephone: 604.232.9644
Facsimile: 604.232.9645

Acoustic Control
Pelton Marsh Kinsella
14241 N. Dallas Parkway, Suite 820
Dallas, TX 75247
Telephone: 214.696.2444
Facsimile: 214.851.7478

Civil Engineer
Thomas / Wright, Inc.
7190 SW FH Loop
Tigard, OR 97223
Telephone: 503.924.1488
Facsimile: 503.639.8207

Landscape Architect
Perron Collaborative
1820 N.W. Sixth Ave., Suite 310
Portland, OR 97209
Telephone: 503.223.2206
Facsimile: 503.223.2217

Cost Estimating
Rider Hunt Levett & Bailey
420 S.W. 9th Ave., Suite 900
Portland, OR 97204
Telephone: 503.220.2720
Facsimile: 503.220.1207

Acoustic Control
Michael A. Minor & Associates
3000 S.W. Sally Avenue
Portland, OR 97201
Telephone: 503.220.0690
Facsimile: 503.796.0992

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON RICHARD WATT

B. Richard Watt
SEP 13, 2000

← NORTH →

EB Architects

605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

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MAIN CONCOURSE / SUITE 1 LEVEL SLAB REINFORCING PLAN - AREA D

Scale 1/8"=1'-0"

Date 23 JUNE 2000 Comm. No. 9890.0001.00
In Charge BRW PHASE 1B
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Checked By BRW

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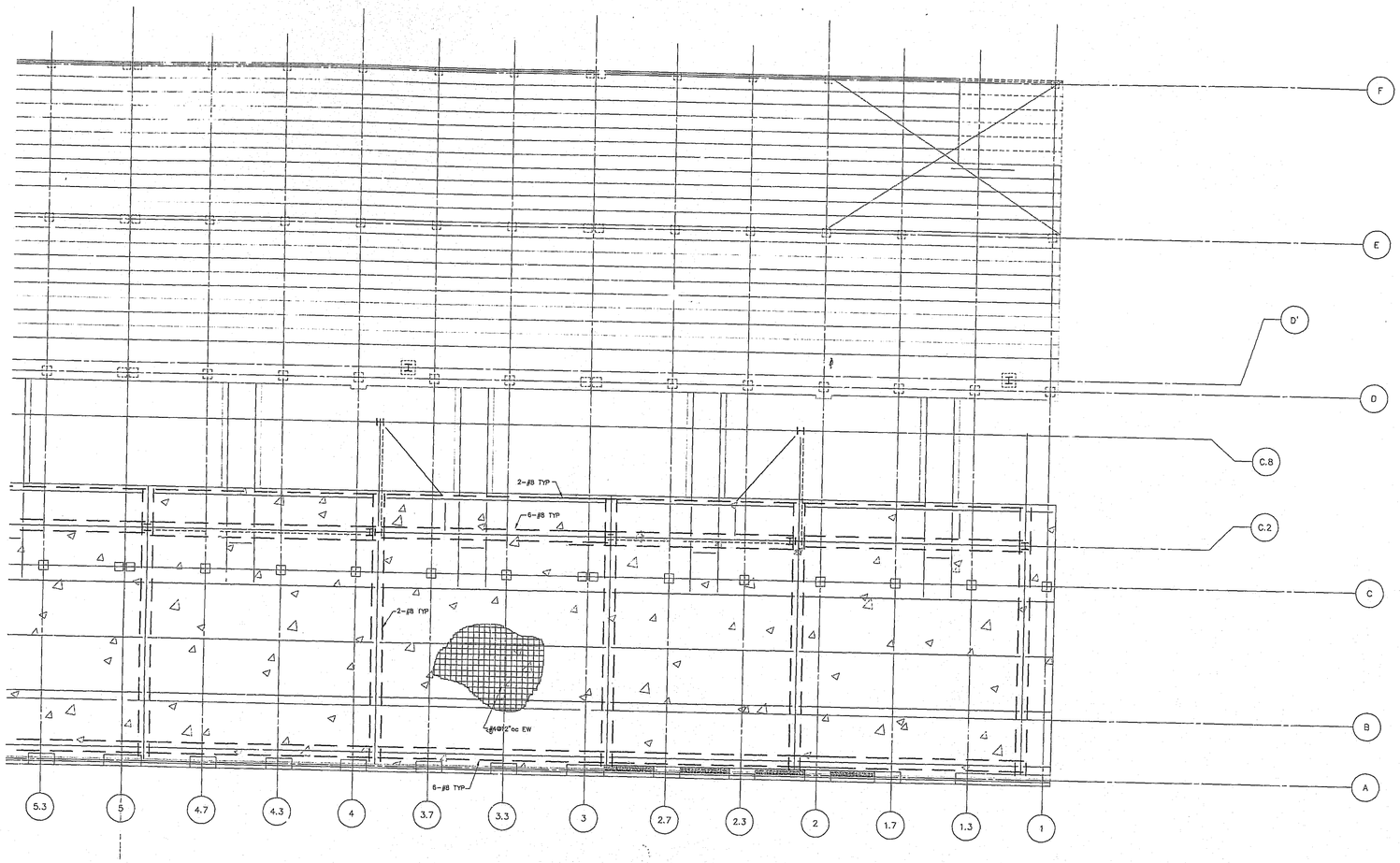

SHEET NOTES

1. REFER TO SHEET S601, DETAIL 10/S60 FOR LAP SPLICE SCHEDULE AND DETAIL 11/S60 FOR TYPICAL LAP SPLICE LOCATIONS.

SEE SHEET S10/D
SEE SHEET S10/E

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"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.944.3100
Facsimile: 503.944.3110

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.7300
Facsimile: 503.823.7992

Architecture / Structural, Mechanical and Electrical Engineering:
E B Architects
605 West 47th Street, Suite 200
Kansas City, MO 64111-1905
Telephone: 816.561.4443
Facsimile: 816.951.2803

Associate Architect
Fletcher, Farr, Ayotte, P.C.
208 S.W. Third Ave., Suite #200
Portland, OR 97204
Telephone: 503.223.1161
Facsimile: 503.223.1701

Cost
FP&C Consultants, Inc.
9233 Ward Parkway, SUITE 225
Kansas City, MO 64112
Telephone: 816.523.3377
Facsimile: 816.523.8256

Construction Manager
Turner Construction Company
1500 S.W. MACADAM AVENUE
Portland, OR 97201
Telephone: 503.226.0825
Facsimile: 503.228.9816

Food Service
DGA Design, Inc.
10551 Shellbridge Way, Suite 100
Richmond, B.C. V6X2W9
Telephone: 604.233.0966
Facsimile: 604.232.9945

Acoustic Control
Pelton Marsh Kinsella
1420 W. Mockingbird Lane, Suite 400
Dallas, TX 75247
Telephone: 214.886.1444
Facsimile: 214.951.7408

Civil Engineer
Thomas / Wright, Inc.
7190 SW FH Loop
Tigard, OR 97223
Telephone: 503.624.1460
Facsimile: 503.639.0157

Landscape Architect
Perron Collaborative
800 N.W. Sixth Ave., Suite 320
Portland, OR 97209
Telephone: 503.223.2266
Facsimile: 503.223.3217

Cost Estimating
Rider Hunt Levett & Bailey
620 S.W. Fifth Ave., Suite 900
Portland, OR 97204
Telephone: 503.226.2710
Facsimile: 503.226.1367

Acoustic Control
Michael A. Minor & Associates
3052 S.W. Kelly Avenue
Portland, OR 97201
Telephone: 503.228.0405
Facsimile: 828.796.0983

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON JULY 1, 1995 RICHARD WEST

SEP 13, 2000

← NORTH →

EB Architects
605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

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MAIN CONCOURSE / SUITE LEVEL
SLAB REINFORCING PLAN - AREA E

Scale 1/8"=1'-0"

Date 23 JUNE 2000 Comm. No. 9890.0001.00
In Charge PHASE 1B
Drawn By ADC
Checked By GWW

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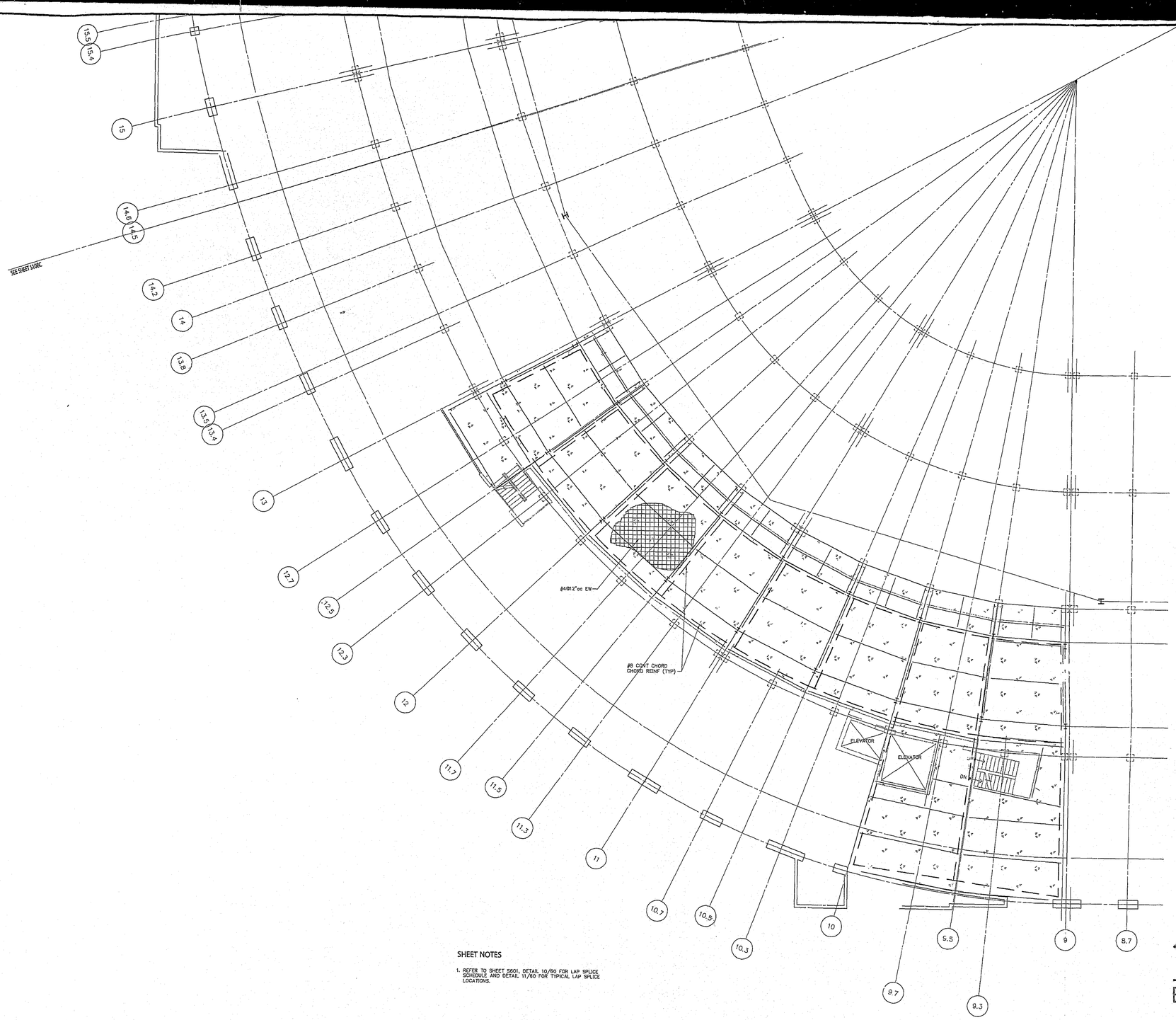

SHEET NOTES

1. REFER TO SHEET S601, DETAIL 10/60 FOR LAP SPLICE SCHEDULE AND DETAIL 11/60 FOR TYPICAL LAP SPLICE LOCATIONS.

← NORTH →

SEE SHEET S108C

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.944.5100
Facsimile: 503.944.5110

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.7600
Facsimile: 503.823.7632

Architecture / Structural, Mechanical and Electrical Engineering:
E B Architects
605 West 47th Street, Suite 200
Kansas City, MO 64112-1905
Telephone: 816.561.4443
Facsimile: 816.561.2863

Associate Architect
Fletcher, Farr, Ayotte, P.C.
708 S.W. Third Ave., Suite #200
Portland, OR 97204
Telephone: 503.222.1161
Facsimile: 503.222.1101

Civil
FP&C Consultants, Inc.
9535 West Parkway, SUITE 220
Kansas City, MO 64132
Telephone: 816.333.3377
Facsimile: 816.523.9256

Construction Manager
Turner Construction Company
5200 S.W. MACADAM AVENUE
Portland, OR 97201
Telephone: 503.226.9625
Facsimile: 503.226.3836

Food Service
DGA Design, Inc.
10551 Shelbridge Way, Suite 100
Richmond, B.C. V6X2W9
Telephone: 604.232.9644
Facsimile: 604.232.9945

Acoustic Control
Pelton Marsh Kinsella
1422 W. Mockingbird Lane, Suite 400
Dallas, TX 75247
Telephone: 214.684.7444
Facsimile: 214.955.7488

Civil Engineer
Thomas / Wright, Inc.
7190 SW IV Lane
Tigard, OR 97223
Telephone: 503.624.1488
Facsimile: 503.639.8397

Landscape Architect
Perron Collaborative
800 N.W. Sixth Ave., Suite 308
Portland, OR 97209
Telephone: 503.223.2268
Facsimile: 503.223.2317

Cost Estimating
Rider Hunt Levett & Bailey
620 S.W. Fifth Ave., Suite 900
Portland, OR 97204
Telephone: 503.226.2720
Facsimile: 503.220.1287

Acoustic Control
Michael A. Minor & Associates
3600 S.W. 54th Avenue
Portland, OR 97221
Telephone: 503.220.6495
Facsimile: 503.796.0983

DESIGNATED PROFESSIONAL STRUCTURAL ENGINEER 14710 OREGON JULY 1, 1969 RICHARD WEST

SEP 13, 2000

EB Architects

605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

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SEP 18 2000
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SEP 15 2000
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CLUB / SUITE 2 LEVEL
SLAB REINFORCING PLAN - AREA C
Scale 1/8"=1'-0"

Date 23 JUNE 2000	Comm. No. 9890.0001.00
In Charge BRW	PHASE 1B
Drawn By ADC	
Checked By BRW	S108C

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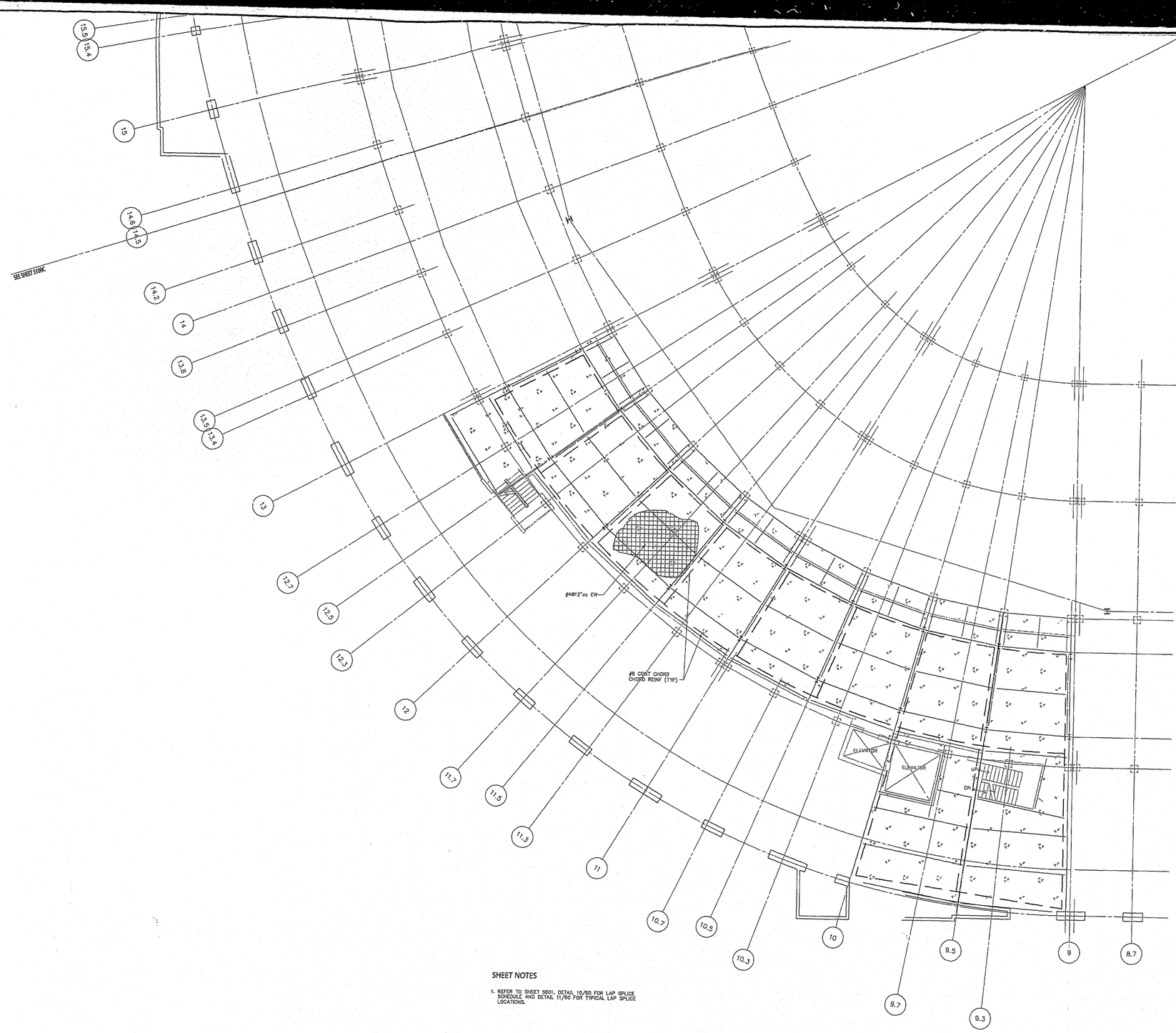
APR 4 2003 MICROFILMED



SHEET NOTES

1. REFER TO SHEET S601, DETAIL 10/S0 FOR LAP SPLICE SCHEDULE AND DETAIL 11/S0 FOR TYPICAL LAP SPLICE LOCATIONS.

← NORTH →

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.541.5150
Facsimile: 503.541.5110

Owner
City Of Portland
1000 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.7600
Facsimile: 3.823.7692

Architecture / Structural, Mechanical and Electrical Engineering:
E B Architects
605 West 47th Street, Suite 220
Kansas City, MO 64113-1905
Telephone: 816.561.4443
Facsimile: 816.561.2825

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708 S.W. Third Ave., Suite #200
Portland, OR 97204
Telephone: 503.222.1600
Facsimile: 503.222.7701

Civils
FP&C Consultants, Inc.
8133 Ward Parkway, SUITE 225
Kansas City, MO 64112
Telephone: 816.523.3377
Facsimile: 816.523.8256

Construction Manager
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5200 S.W. MACADAM AVENUE
Portland, OR 97205
Telephone: 503.228.5825
Facsimile: 503.226.9834

Food Service
DGA Design, Inc.
10551 Shellbridge Way, Suite 100
Richmond, B.C. V6X2W8
Telephone: 604.232.9644
Facsimile: 604.232.9645

Acoustic Control
Pelton Marsh Kinsella
1420 W. Mockingbird Lane, Suite 400
Dallas, TX 75247
Telephone: 214.684.7444
Facsimile: 214.951.7488

Civil Engineer
Thomas / Wright, Inc.
7190 SW Fir Loop
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Facsimile: 503.226.1267

Acoustic Control
Michael A. Minor & Associates
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Portland, OR 97201
Telephone: 503.230.0495
Facsimile: 503.790.0950

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14710 OREGON DEC. 7, 1989 B. RICHARD WEST
SEP 13, 2000

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Kansas City, MO 64112-1905
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SUITE 3 LEVEL
SLAB REINFORCING PLAN - AREA C

Scale 1/8"=1'-0"

Date 23 JUNE 2000 Comm. No. 9890.0001.00
In Charge BRW PHASE 1B
Drawn By ADC
Checked By BRW

S109C

SEE SHEET S109C

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T. J. Zipp P.E.
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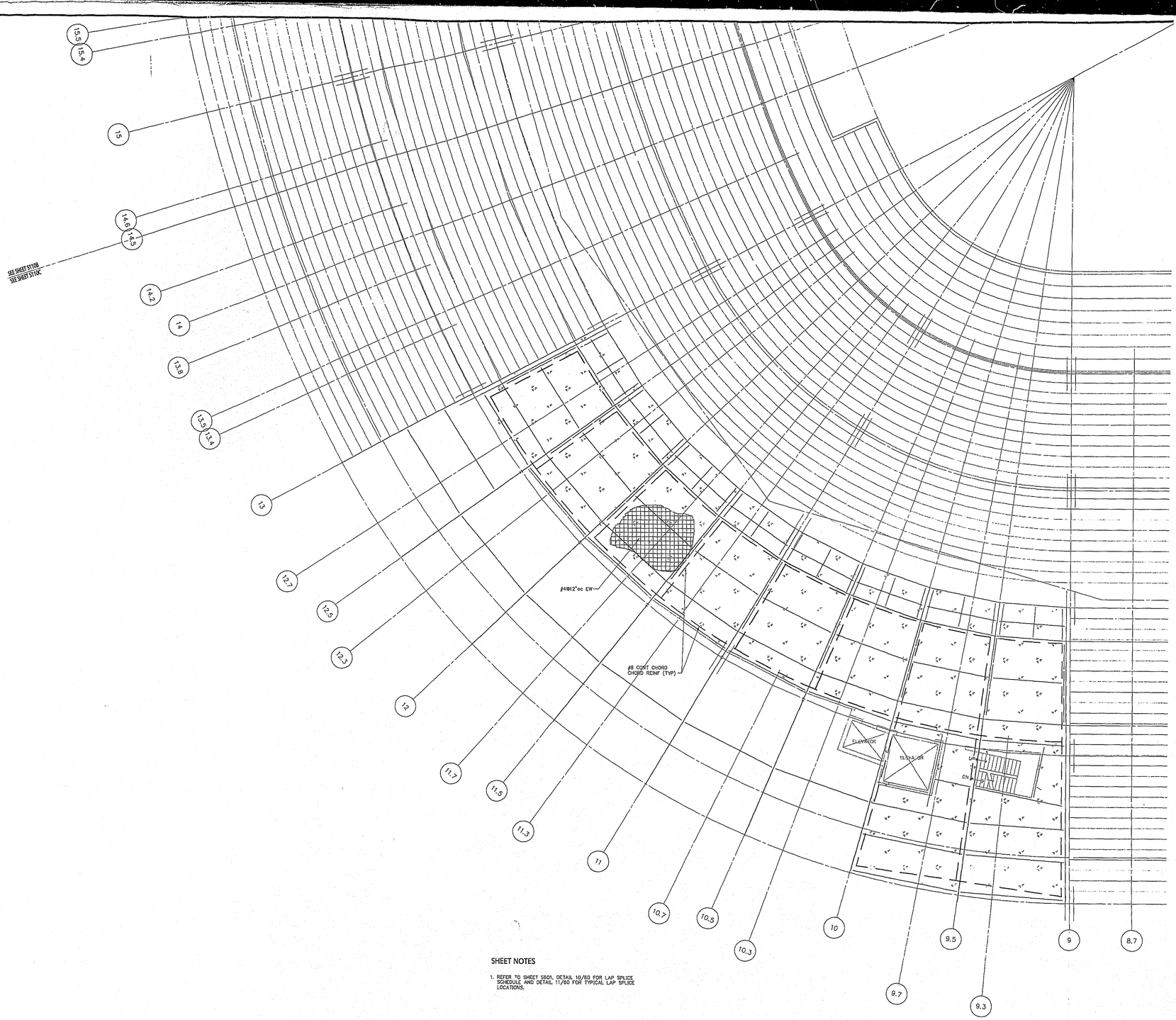

SHEET NOTES

1. REFER TO SHEET S601, DETAIL 10/60 FOR LAP SPLICE SCHEDULE AND DETAIL 11/60 FOR TYPICAL LAP SPLICE LOCATIONS.

SEE SHEET S110C
SEE SHEET S110D

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Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison 97205
Portland, OR
Telephone: 503.944.5100
Facsimile: 503.944.5110

Owner
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Portland, OR 97204
Telephone: 503.823.7600
Facsimile: 503.823.7602

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Facsimile: 816.561.2865

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Facsimile: 503.223.1701

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Facsimile: 816.523.8255

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1200 S.W. MARIANA AVENUE
Portland, OR 97201
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Facsimile: 503.226.5826

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10551 Shellbridge Way, Suite 100
Richmond, B.C. V6X2W9
Telephone: 604.232.9944
Facsimile: 604.232.9942

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Facsimile: 214.951.7408

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Facsimile: 503.226.1267

Acoustic Control
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Telephone: 503.230.0495
Facsimile: 503.746.0959

REGISTERED PROFESSIONAL ENGINEER
14719
OREGON
DEC. 7, 1982
B. RICHARD WARE

B. Richard Ware
SEP 13, 2000

← NORTH →

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City of Portland
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SEP 18 2000
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PRESS / SUITE 4 LEVEL
SLAB REINFORCING PLAN - AREA C

Scale 1/8"=1'-0"

Date 23 JUNE 2000 Comm. No. 9890.0001.00
In Charge PHASE 1B
Drawn By ADC
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S110C

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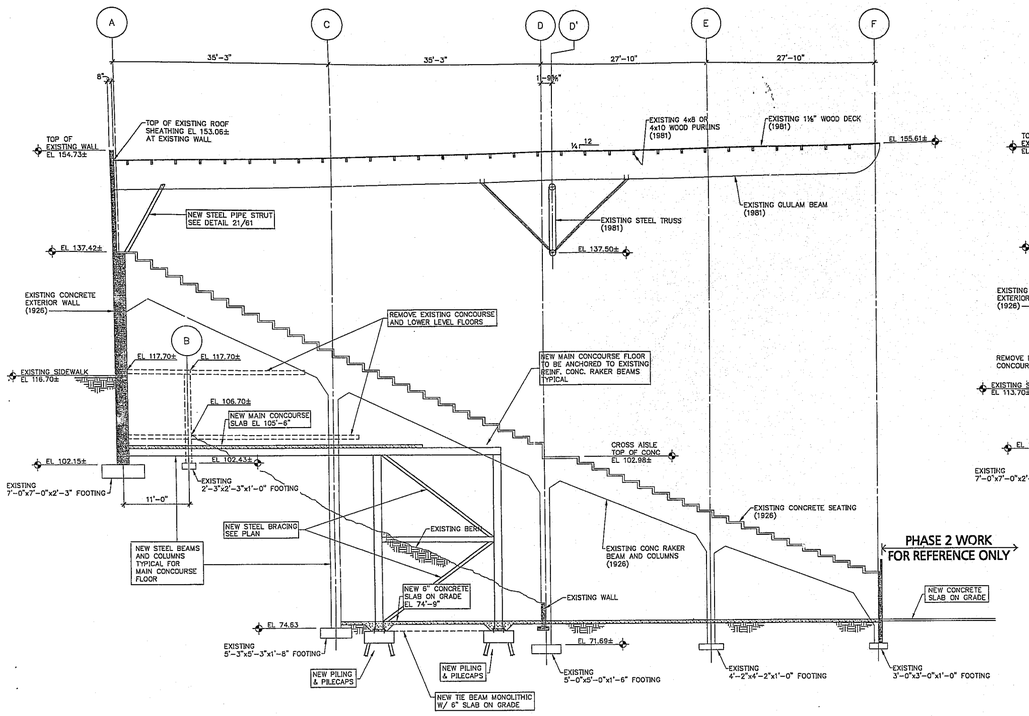
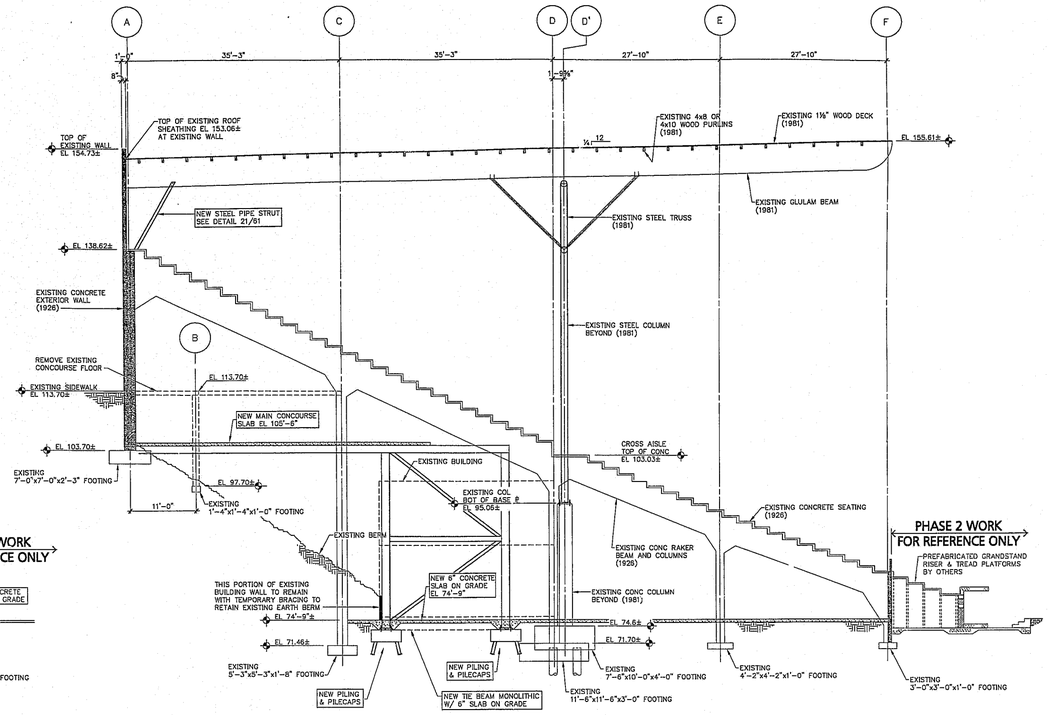
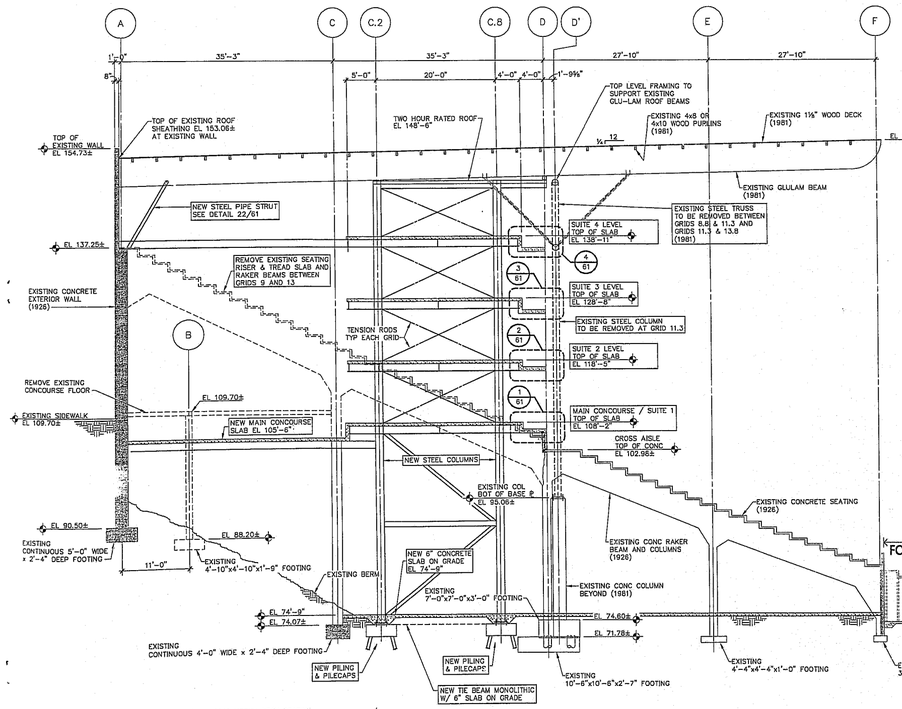
U. 1345 Zone 1.



1/30 SECTION AT GRID 1.67

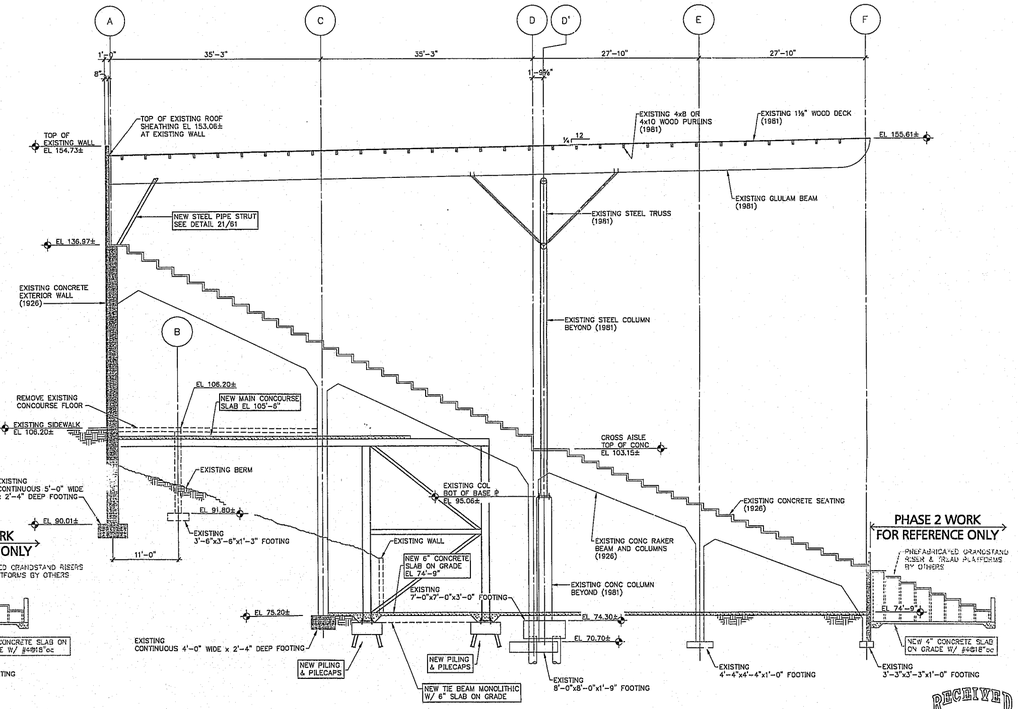


2/30 SECTION AT GRID 8



NOTE: FOR REMOVAL OF EXISTING UPPER DECK SEATING AND EXISTING ROOF TRUSSES SEE STRUCTURAL DEMOLITION DRAWINGS SD101 THRU SD104 DATED MAY 15, 2000

3/30 SECTION AT GRID 12
TYPICAL FOR AREA BETWEEN GRIDS 9 & 13



4/30 SECTION AT GRID 21

WORK FOR PHASE 1B PERMIT ONLY. OTHER WORK FOR REFERENCE ONLY.

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
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REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON SCOTT E. FARR RENEWAL DATE
SEP 13, 2000

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STADIUM SECTIONS

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S301

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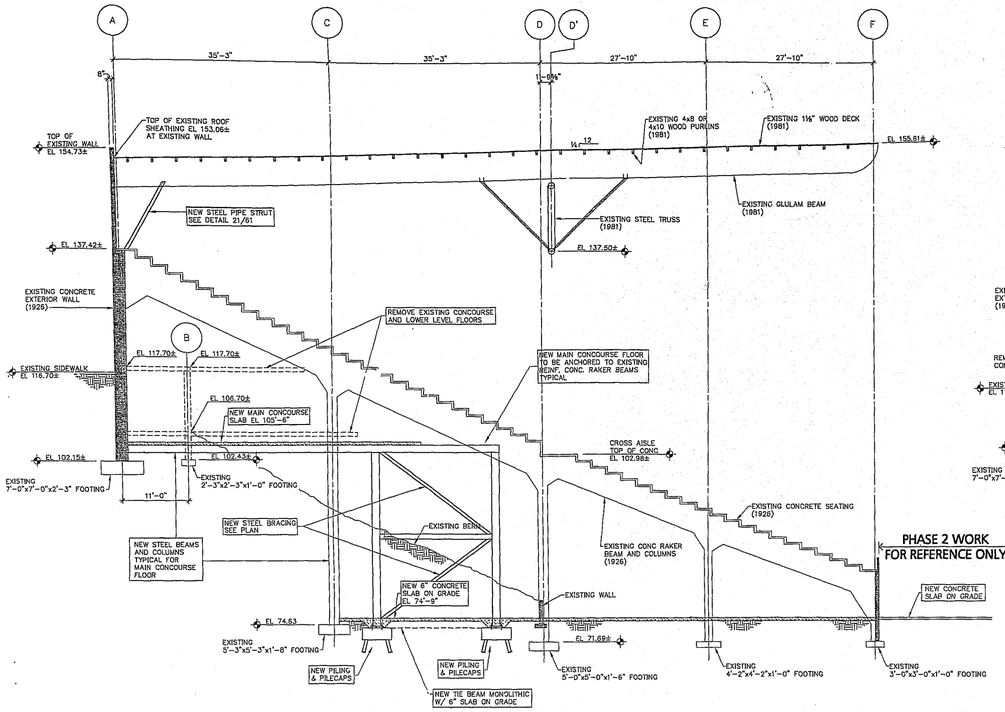

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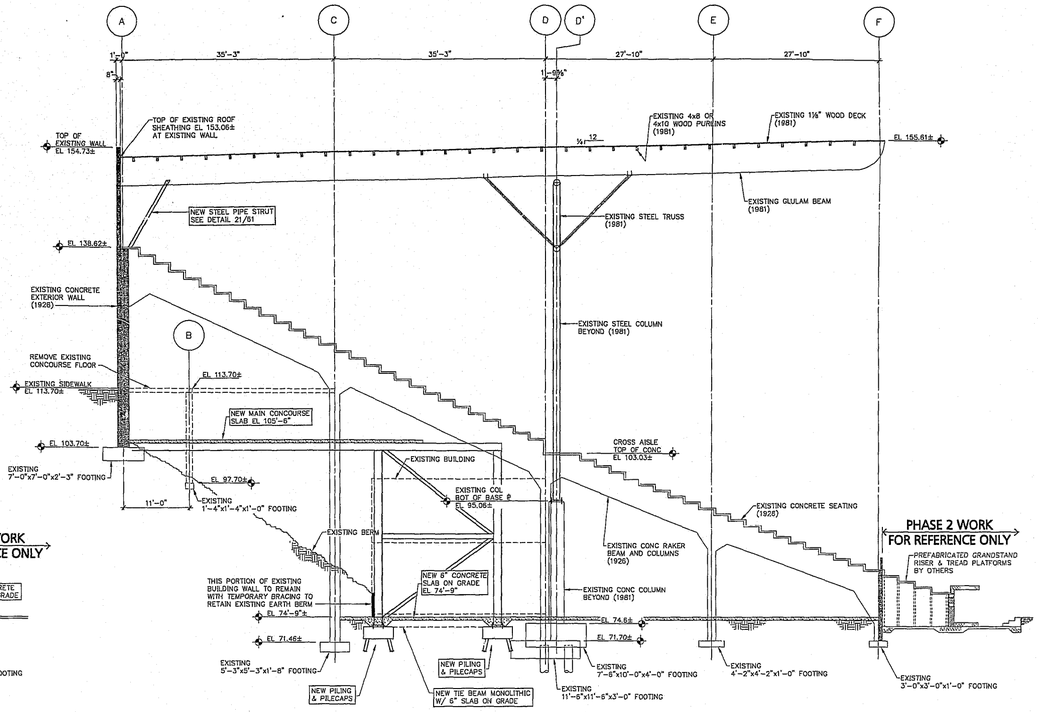
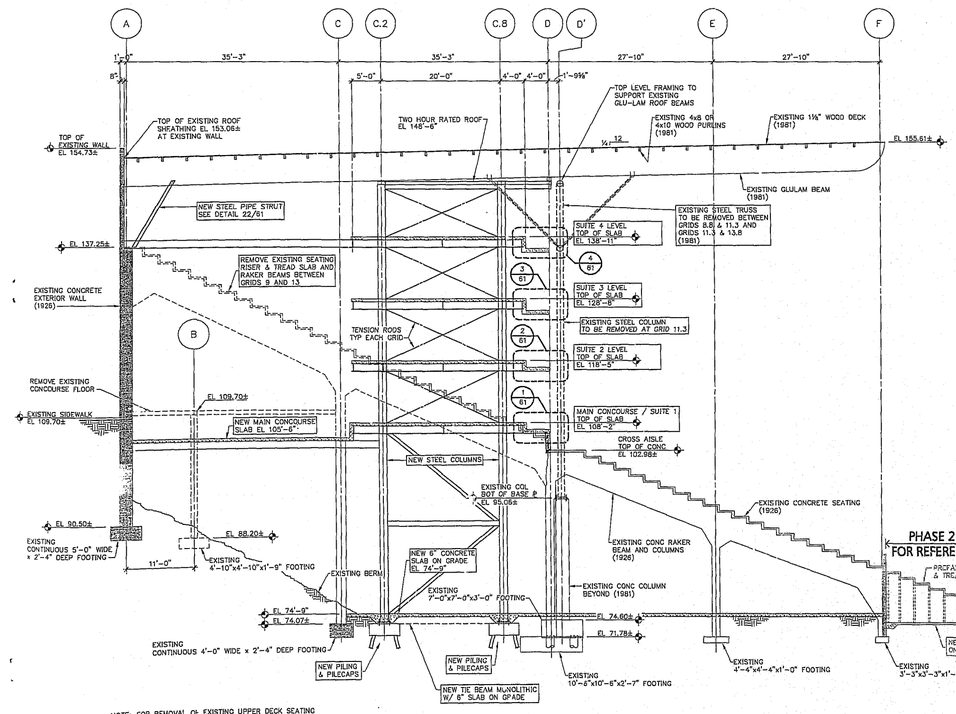
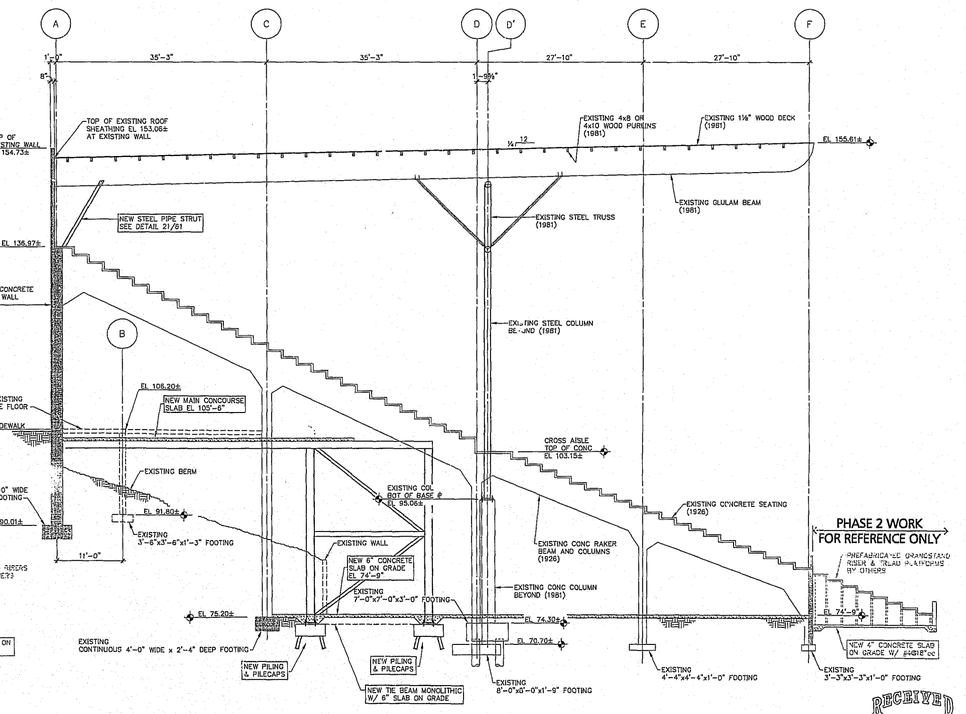


2/30 SECTION AT GRID 8



NOTE: FOR REMOVAL OF EXISTING UPPER DECK SEATING AND EXISTING ROOF TRUSSES SEE STRUCTURAL DEMOLITION DRAWINGS SD101 THRU SD104 DATED MAY 15, 2000

3/30 SECTION AT GRID 12
TYPICAL FOR AREA BETWEEN GRIDS 9 & 13



4/30 SECTION AT GRID 21

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Revision | Date | No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
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Facsimile: 503.760.0893

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON EXPIRES: 6/30/2001
SEP 13, 2000

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605 West 47th Street
Kansas City, MO 64112-1905
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STADIUM SECTIONS

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Date 06 SEPT 2000 | Comm. No. 9890.0001.00
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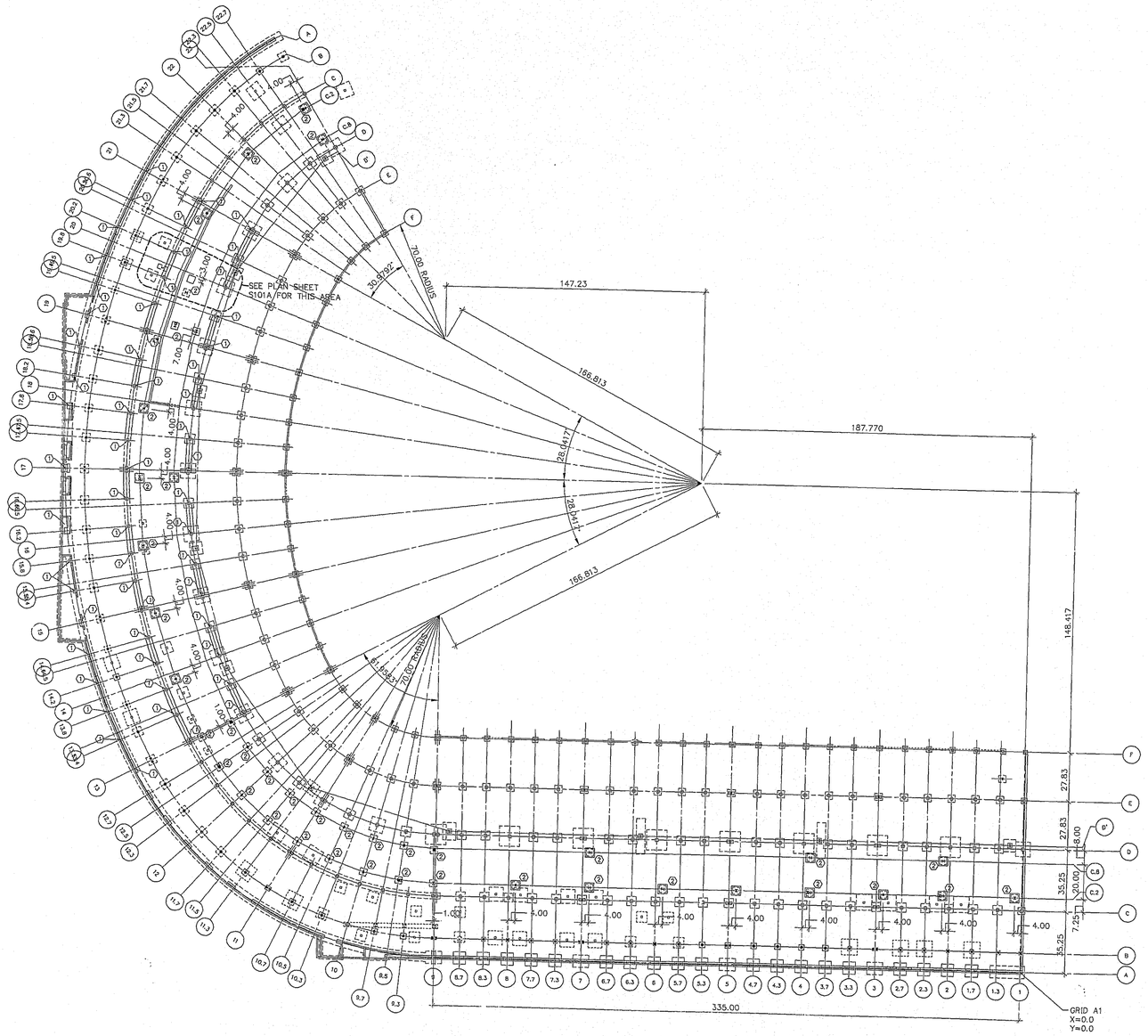
S301



MICROPILES (PIN PILES) ARE PART OF PHASE 1C WORK – SEE PLAN SHEET 210 FOR MICROPILE PLAN LAYOUT AND DETAILS

SHEET ITEMS

(1) DENOTES EXISTING FOUNDATIONS TO BE UNDERPINNED WITH ONE PILE. SEE SHEET S305 FOR UNDERPINNING.

(2) DENOTES NEW FOUNDATIONS TO BE SUPPORTED WITH NEW PILES. SEE 47/61 FOR NEW PILECAP FOUNDATIONS.

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REVISION

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.944.5100
Facsimile: 503.944.5110

Owner
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Facsimile: 503.823.7602

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Facsimile: 503.226.0936

Food Service
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10551 Shellridge Way, Suite 100
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Telephone: 604.232.9944
Facsimile: 604.232.9945

Acoustic Control
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2400 W. Mockingbird Lane, Suite 400
Dallas, TX 75247
Telephone: 214.634.7444
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REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON JULY 1, 1995 R. RICHARD WATE

SEP 13, 2000

EB Architects

605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

City of Portland APPROVED SEP 18 2000

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COLUMN / FOOTING DATA

Scale 3/64"=1'-0"

Date 08 SEPT 2000 Comm. No. 9890.0001.00
In Charge BRW PHASE 1C
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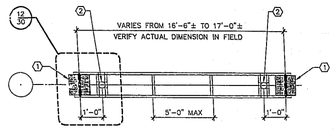
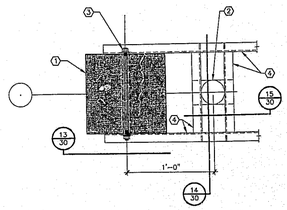
S303

ITEMS:
1. EXISTING CONC COLUMN
2. NEW 60 TON PIN PILE



11/30 PLAN - TYPICAL UNDERPINNING

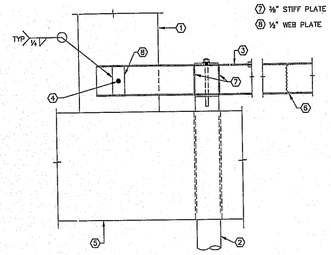
ITEMS:
1. EXISTING CONC COLUMN
2. NEW 60 TON PIN PILE
3. C15x33.9
4. 1½"ø A325X BOLT IN 3"ø GROUTED DRILLED HOLE



12/30 DETAIL

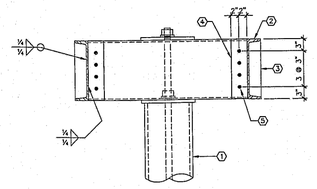
NOTES:
A. DETAIL APPLIES TO PAIR OF EXISTING COLUMNS

ITEMS:
1. EXISTING CONC COLUMN
2. NEW 60 TON PIN PILE
3. (2)-C15x33.9
4. 1½"ø A325X BOLT IN 3"ø GROUTED DRILLED HOLE
5. EXISTING FOOTING
6. C15x33.9 @ 1/3 POINTS
7. ⅜" STIFF PLATE
8. ½" WEB PLATE



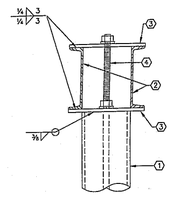
13/30 SECTION AT UNDERPINNING

ITEMS:
1. NEW 60 TON PIN PILE
2. C15x33.9
3. ⅜" FITTED STIFFENER PLATE
4. ½" SHEAR TAB
5. (4)-⅞"ø A325N BOLTS



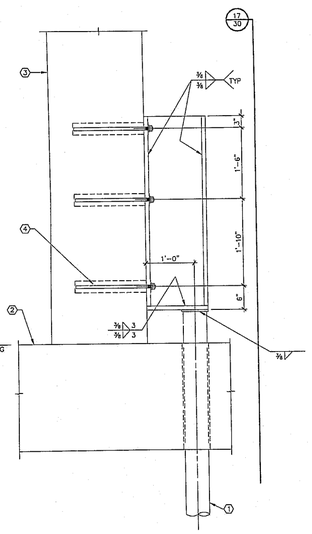
14/30 SECTION

ITEMS:
1. NEW 60 TON PIN PILE
2. C15x33.9
3. ℄ 1½"x8"x1'-2"
4. #8x4'-3" THREADED REINF BAR



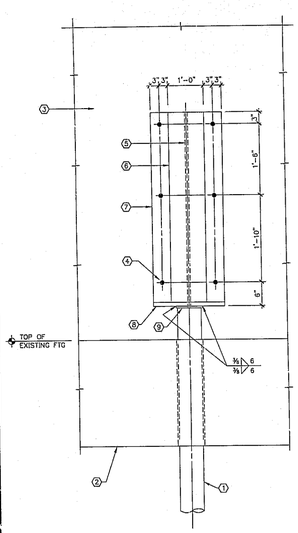
15/30 SECTION

ITEMS:
1. NEW 100 TON PIN PILE
2. EXISTING FOOTING
3. EXTERIOR STADIUM WALL
4. (6)-1½"ø A325X BOLTS IN 3"øx1'-6" DRILLED HOLE. FILL W/ NONSHRINK GROUT

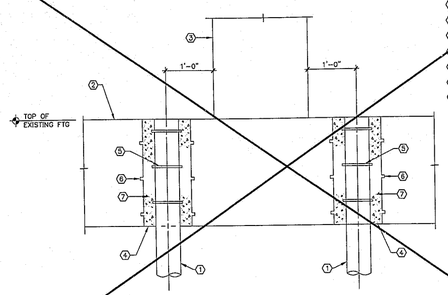


16/30 SECTION AT UNDERPIN

ITEMS:
1. NEW 100 TON PIN PILE
2. EXISTING FOOTING
3. EXTERIOR STADIUM WALL
4. (6)-1½"ø A325X BOLTS IN 3"øx1'-6" DRILLED HOLE. FILL W/ NONSHRINK GROUT
5. ℄ 1"x16"x4'-0"
6. ℄ 1"x12"x4'-0"
7. ℄ 1"x24"x4'-0"
8. ℄ 1"x18"x2'-0"
9. ℄ 1½"x9"x0'-9"



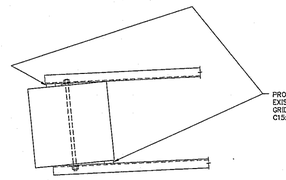
17/30 ELEVATION - UNDERPIN AT GRID A



DELETE

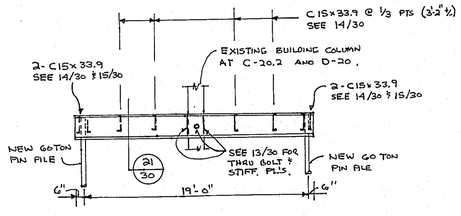
18/30 ELEVATION - ALTERNATE UNDERPIN AT GRIDS C & D

ITEMS:
1. NEW 30 TON PIN PILE
2. EXISTING FOOTING
3. EXTERIOR STADIUM COLUMN
4. 12"ø± OVERSIZED HOLE
5. STEEL SHEAR RING
6. CHIPPED GROOVE
7. NONSHRINK GROUT

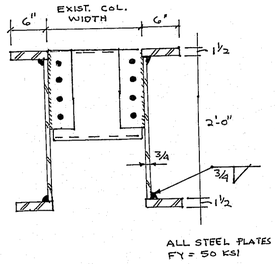


PROVIDE STEEL SHIMS WHERE EXISTING COLUMNS ON RADIAL GRIDS ARE NOT SQUARE WITH C15x33.9 CHANNELS

19/30 DETAIL



20/30 ELEVATION



ALL STEEL PLATES FY = 50 KSI

21/30 SECTION

APR 4 2003 MICROFILMED

T. 13.5

APR 4 2003 MICROFILMED

Revision | By | Date | No.

"ACME - ACME" STADIUM

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14719
OREGON
DEC. 7, 1982
B. RICHARD WRIGHT

B. Richard Wright
SEP 13, 2000

EB Architects
605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

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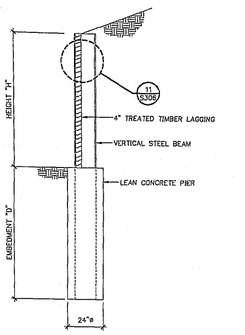
SECTIONS

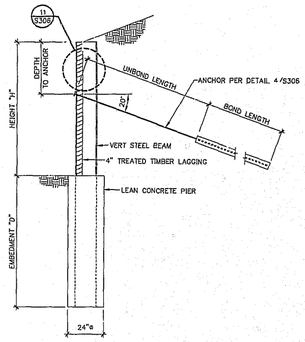
Scale

Date 06 SEPT 2000 | Comm. No. 9890.0001.00
In Charge BRW | PHASE 1B
Drawn By ADC
Checked By BRW

S305



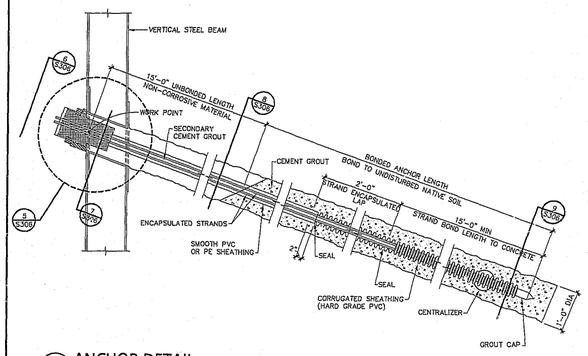
1 5306 CANTILEVER SECTION - PERMANENT SHORED
EARTH RETENTION



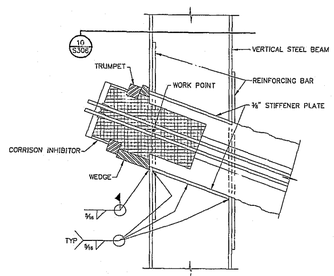
2 5306 ANCHOR SECTION - PERMANENT SHORED
EARTH RETENTION

WALL TYPE TYPE	HEIGHT H (FT)	EMBED D (FT)	HORIZONTAL SPACING (FT)	BEAM SIZE Fy=50 KSI	SHAFT DIAMETER (FT)	DEPTH TO ANCHOR (FT)	DESIGN LOAD (KIPS)	BOND LENGTH (FT)	UNBOND LENGTH (FT)
CANTILEVER	4	6	8	W14x30	2				
	6	8	8	W14x30	2				
	8	11	8	W14x30	2				
	10	14	8	W14x43	2				
	12	16	8	W16x57	2				
	14	17	8	W18x86	2.5				
	16	20	8	W21x101	2.5				
ANCHOR	14	9	8	W14x30	2	5	50	18	15
	16	10	8	W14x30	2	5.5	65	22	15
	18	12	8	W14x30	2	6	80	27	15
	20	12	6	W14x30	2	6.5	75	25	15
	22	10	5	W14x30	2	7	75	25	15

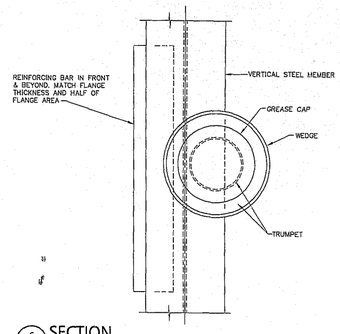
3 5306 TABLE - PERMANENT SHORED EARTH RETENTION



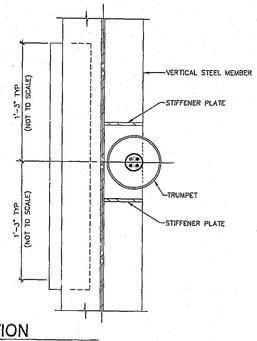
4 5306 ANCHOR DETAIL



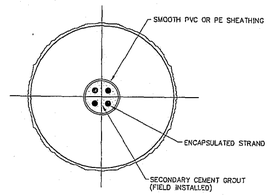
5 5306 ANCHOR DETAIL



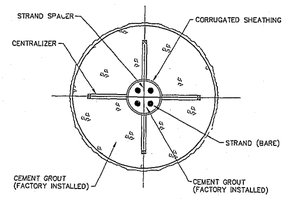
6 5306 SECTION



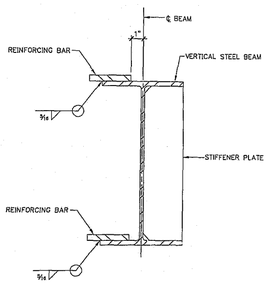
7 5306 SECTION



8 5306 SECTION



9 5306 SECTION



10 5306 SECTION

A. STRUCTURAL STEEL VERTICAL BEAMS = A572 - GRADE 50

B. LEAN CONCRETE = 1 SACK CEMENT + ½" SACK CEMENT - F'c = 200 TO 500 PSI

C. SOIL ANCHORS = FOLLOW RECOMMENDATIONS IN POST-TENSIONING MANUAL, 5TH EDITIONS, OR RECOMMENDATIONS FOR PRESTRESSED ROCK AND SOIL ANCHORS, 3RD EDITION, BY PTI = POST-TENSIONING INSTITUTE.

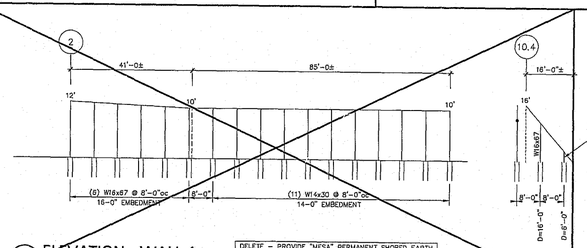
D. ANCHOR GROUT SHALL BE MADE USING TYPE I, II OR III PORTLAND CEMENT CONFORMING TO ASTM C-150 SPECIFICATIONS.

E. EACH ANCHOR SHALL BE PERFORMA[illegible] TESTED OR PROOF TESTED TO 1.33 TIMES DESIGN LOAD. THE MAXIMUM TEST LOAD SHALL N[illegible]LED 80 PERCENT OF THE GUARANTEED ULTIMATE TENSILE STRENGTH (GUTS) OF THE [illegible]N.

F. THE FIRST THREE ANCHORS AND 2 PERCENT OF THE REMAINING ANCHOR SHALL BE PERFORMANCE TESTED IN ACCORDANCE WITH SECTION 4.3.7.1 OF THE POST-TENSIONING MANUAL, 5TH EDITION.

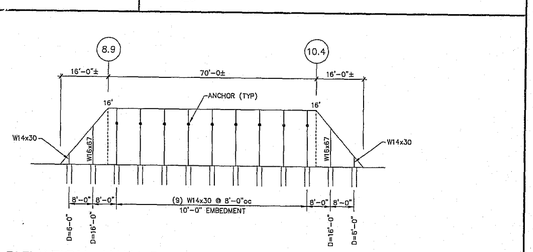
G. ALL OTHER ANCHORS SHALL BE PROOF TESTED IN ACCORDANCE WITH SECTION 4.3.7.2 OF THE POST-TENSIONING MANUAL, 5TH EDITION.

12 5306 SPECIFICATIONS
PERMANENT SHORED EARTH RETENTION

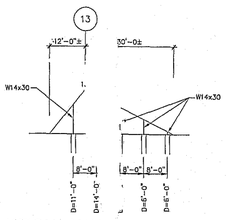


DELETE - PROVIDE "MESA" PERMANENT SHORED EARTH RETAINTION - PHASE 10 WORK SEE PLAN SHEET Z101E

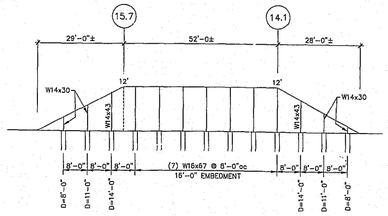
13 5306 ELEVATION - WALL 1



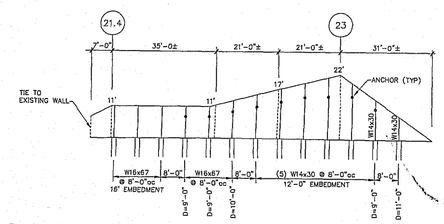
14 5306 ELEVATION - WALL 2



15 5306 ELEVATION - WALL 3



16 5306 ELEVATION - WALL 4



17 5306 ELEVATION - WALL 5

11 5306 DETAIL

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T.J.

Revision	Date	No.

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SEP 13 2000

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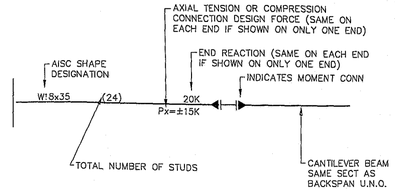
City of Portland APPROVED SEP 14 2000 Permit Number

SECTIONS - PERMANENT SHORED EARTH RETENTION
Scale

Date 23 JUNE 2000 Comm. No. 9890.0001.00
In Charge BRW
Drawn By AOC
Checked By BRW

S306



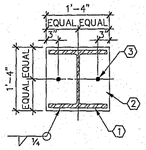
1/60 TYP STEEL BEAM LEGEND

NOTES:

A. ANCHOR BOLT SHALL BE THREADED ROD FURNISHED W/ HEAVY NUT & HARDENED WASHER AT EXPOSED END & HEAVY HEX NUT W/ HARDENED WASHER AT EMBEDED END. TACK WELD NUTS AT BOTH ENDS TO PREVENT LOOSENING. ARROW 2½xBOLT DIA. EXTENSION ABOVE THE BASE PLATE
B. PROVIDE 2" NON-SHRINK GROUT UNDER BASE PLATE.
C. ALL BASE PLATES SHALL BE ASTMA36 (Fy=36KSI) STEEL, UNLESS NOTED OTHERWISE.

ITEMS:

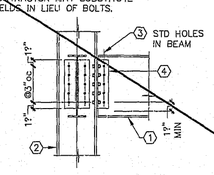
1. W14x120 OR W14x90 COLUMN PER PLAN
2. PL 1"x16"x1'-4" (W14x90) PL 1¾"x16"x1'-4" (W14x120)
3. 1"ø ANCHOR BOLTS W/ 18" EMBEDMENT (TYP.)



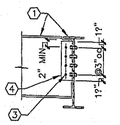
2/60 BASE PLATE DETAIL

NOTES:

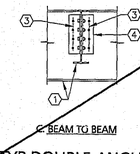
A. CONTRACTOR MAY SUBSTITUTE WELDS IN LIEU OF BOLTS.



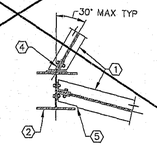
A. BEAM TO COL



B. BEAM TO BEAM



C. BEAM TO BEAM



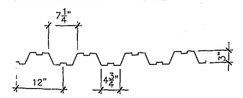
D. SKEWED BEAM TO COL PLAN VIEW

ITEMS:

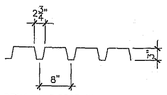
1. BEAM
2. COLUMN
3. A325 BOLTS
4. DOUBLE ANGLES OR SINGLE ANGLE FOR PERPENDICULAR CONN OR BENT PLATES FOR SKEWED CONN
5. CLIP BEAM T&B FLANGE AS REQUIRED

DELETE
SEE 9/60

3/60 TYP DOUBLE ANGLE OR SINGLE ANGLE SHEAR CONNECTIONS



STEEEL FLOOR DECK



STEEEL ROOF DECK

4/60 STEEL DECK DETAIL

NOTES:

A. BOLTS MAY BE SNUGTIGHT
B. PROVIDE STANDARD HOLES IN BEAMS & SHORT HORIZONTAL SLOTTED HOLES IN SHEAR TAB PLATE.

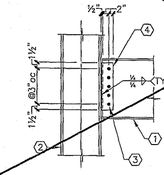
BEAM REACTION TABLE

NO. OF A325 BOLTS	MAXIMUM REACTION (KIPS)	MINIMUM WEB THICKNESS		SKEWED (θ≥60°) MAXIMUM REACTION (KIPS)
		FY36 (IN.)	FY50 (IN.)	
2	11	.17	.17	7
3	22	.19	.17	14
4	35	.23	.21	24
5	49	.26	.24	37
6	63	.28	.25	50
7	76	.29	.26	63

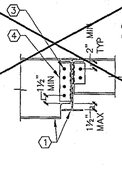
ITEMS:

1. BEAM
2. COLUMN
3. ⅞" DIA A325 BOLTS PER SCHED
4. ⅜"(MIN) A36 PLATE

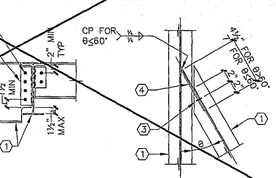
DELETE
SEE 9/60



A. BEAM TO COL

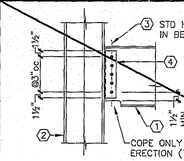


B. BEAM TO BEAM

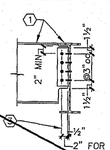


C. PLAN AT SKEWED BEAM

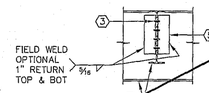
5/60 TYP SINGLE PLATE SHEAR CONNECTION WITH 7/8" DIA A325 BOLTS



A. BEAM TO COL



B. BEAM TO BEAM

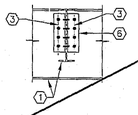


C. BOLTED & WELDED

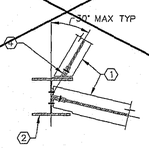
ITEMS:

1. BEAM
2. COLUMN
3. ⅞" DIA A325 BOLTS PER SCHEDULE
4. DOUBLE ANGLES OR BENT PL W/ SHORT HORIZONTAL SLOTTED HOLES
5. 2L4x4x⅜ (A36) OR ⅜" BENT PL
6. 2L5x5x⅜ (A36) OR ⅜" BENT PL

DELETE
SEE 9/60



D. BOLTED ONLY



E. PLAN AT SKEWED COL

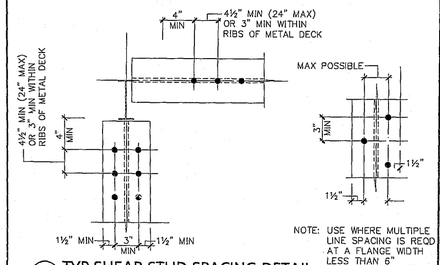
BEAM REACTION TABLE

NO. OF A325 BOLTS	MAXIMUM REACTION (KIPS)	MINIMUM WEB THICKNESS	
		FY36 (IN.)	FY50 (IN.)
2	18	.29	.26
3	40	.35	.32
4	66	.41	.37
5	95	.49	.43
6	125	.54	.48
7	153	.57	.51
8	180	.59	.53
9	204	.60	.54
10	230	.61	.55

6/60 TYP DOUBLE PLATE SHEAR CONNECTION WITH 7/8" DIA A325 BOLTS

NOTES:

A. ALL STUDS ARE ¾"ø UNLESS NOTED OTHERWISE. NUMBER OF STUDS IS INDICATED ON FRAMING PLAN.
B. SHEAR CONNECTORS IN ONE ROW SHALL BE PLACED DIRECTLY OVER THE BEAM WEB.
C. PLACE STUDS IN A SINGLE ROW WHERE SPACING REQUIREMENTS PERMIT. STUDS SHALL BE PLACED IN TWO ROWS ONLY WHERE REQUIRED IN ORDER TO PLACE THE TOTAL NUMBER OF STUDS.
D. PROVIDE MINIMUM 1½" SPACING FROM EDGE OF FLANGE TO CENTERLINE OF STUD.
E. NUMBER OF STUDS PERMITTED PER INDIVIDUAL METAL DECK RIB IS 2 MAX.
F. SUBMIT SHOP DRAWINGS SHOWING PLACEMENT OF SHEAR CONNECTORS FOR ENGINEERS'S APPROVAL.



NOTE: USE WHERE MULTIPLE LINE SPACING IS REQD AT A FLANGE WIDTH LESS THAN 6"

7/60 TYP SHEAR STUD SPACING DETAIL

NOTES:

A. TYPICAL BEAM CONNECTION BOLT REQUIREMENTS UNLESS SPECIFICALLY DETAILED OTHERWISE. SHEAR TABS OR CONNECTION ANGLES TO DEVELOP BOLT CAPACITY.

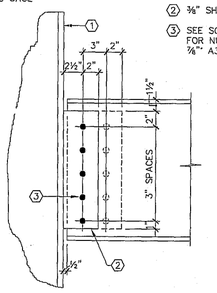
BEAM	REACTION (KIPS)	NUMBER OF BOLTS	CONNECTION CAPACITY
W33x130	134	11	139
W33x118	134	11	139
W30x118	134	11	139
W30x108	115	10	126
W30x99	101	10	126
W27x84	81	7	88
W24x76	32	5	63
W24x68	46	5	63
W24x62	51	5	63
W24x55	48	5	63
W21x50	42	5	63
W21x44	41	5	63
W18x40	38	4	50
W18x35	34	4	50
W16x31	33	4	50
W16x26	19	4	50
W14x22	21	3	38
W12x19	21	3	38
W12x16	20	3	38
W12x14	19	3	38
W10x12	9	2	25
W8x10	9	2	25

8/60 BEAM SHEAR TAB CONNECTION SCHEDULE

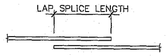
NOTES: 2 ANGLES 4x4x⅜ MAY BE SUBSTITUTED FOR ⅜ SHEAR TAB WITH SAME BOLT SPACING AND 2⅜ OUTSTANDING LEG GAGE

ITEMS:

1. BEAM WEB, COLUMN WEB OR COLUMN FLANGE.
2. ⅜" SHEAR TAB PL
3. SEE SCHEDULE 8/60 FOR NUMBER OF ⅞" A325N BOLTS REQUIRED

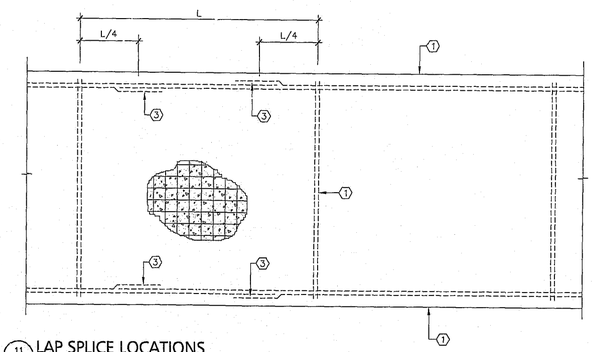


9/60 BEAM SHEAR TAB DETAIL



REINF. BAR	LAP SPLICE LENGTH
#4	1'-8"
#5	2'-2"
#6	2'-7"
#7	3'-3"
#8	4'-3"
#9	5'-5"
#10	6'-10"
#11	8'-5"

10/60 LAP SPLICE SCHEDULE FOR REINFORCING STEEL



ITEMS:

1. SLAB EDGE
2. FULL LENGTH REINFORCING
3. LAP SPLICE ½ OF NUMBER OF BARS FOR CHORD REINFORCING AT ANY ONE LOCATION

11/60 LAP SPLICE LOCATIONS

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"ACME - ACME" STADIUM

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B. Richard Watt
SEP 13, 2000

EB Architects

695 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

CITY OF PORTLAND APPROVED SEP 18 2000

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TYPICAL DETAILS

Scale NONE

Date 23 JUNE 2000 Comm. No. 9880.0001.00
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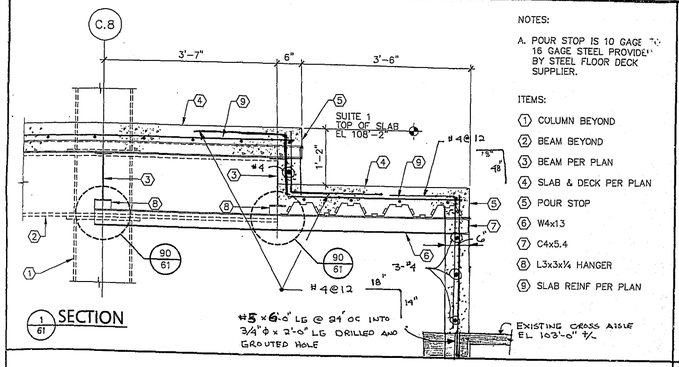
Checked By BRW

S601

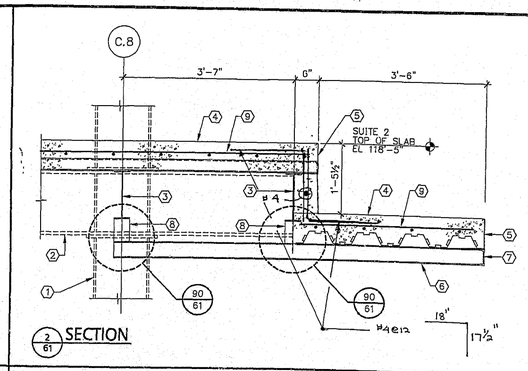


NOTES:

A. POUR STOP IS 10 GAGE TO 16 GAGE STEEL PROVIDED BY STEEL FLOOR DECK SUPPLIER.

ITEMS:

1. COLUMN BEYOND
2. BEAM BEYOND
3. BEAM PER PLAN
4. SLAB & DECK PER PLAN
5. POUR STOP
6. W4x13
7. C4x5.4
8. L3x3x¼ HANGER
9. SLAB REINF PER PLAN



ITEMS:

1. COLUMN BEYOND
2. BEAM BEYOND
3. BEAM PER PLAN
4. SLAB & DECK PER PLAN
5. POUR STOP
6. W4x13
7. C4x5.4
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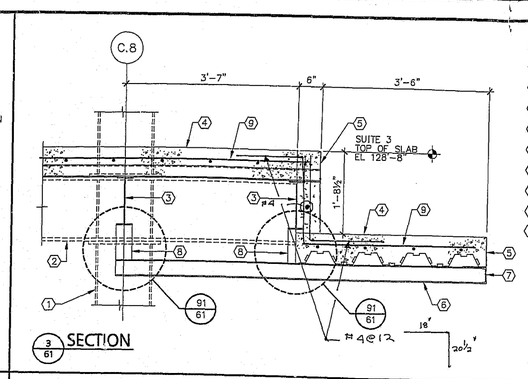
9. SLAB REINF PER PLAN



ITEMS:

1. COLUMN BEYOND
2. BEAM BEYOND
3. BEAM PER PLAN
4. SLAB & DECK PER PLAN
5. POUR STOP
6. W4x13
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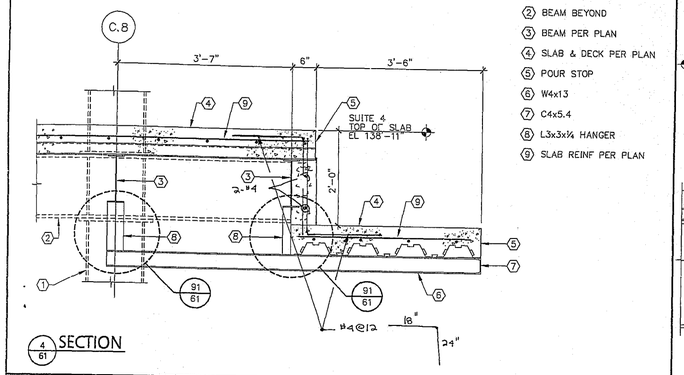
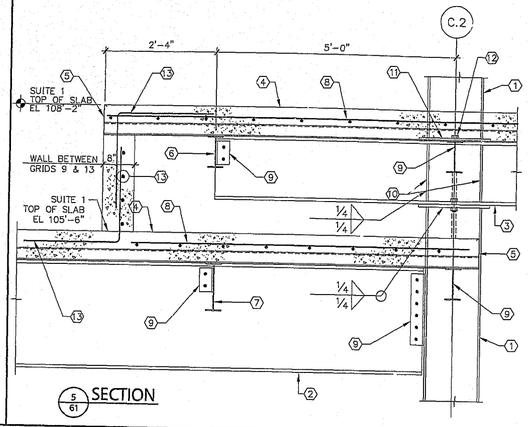


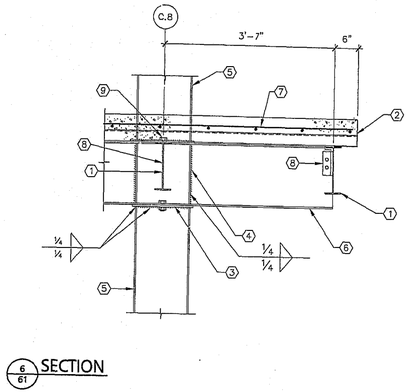
ITEMS:

1. COLUMN BEYOND
2. BEAM BEYOND
3. BEAM PER PLAN
4. SLAB & DECK PER PLAN
5. POUR STOP
6. W4x13
7. C4x5.4
8. L3x3x¼ HANGER
9. SLAB REINF PER PLAN



ITEMS:

1. W14 COLUMN
2. W27x84 PER PLAN
3. W16x31 PER PLAN
4. SLAB & DECK PER PLAN
5. POUR STOP
6. W8x10 PER PLAN
7. W12x14 PER PLAN
8. SLAB REINF PER PLAN
9. BEAM CONNECTION SEE 8/60 AND 9/60
10. ⅜" STIFF PL EA SIDE
11. PL ½x15½x1-3½
12. 2-⅞"ϕ A325N
13. #5@12



ITEMS:

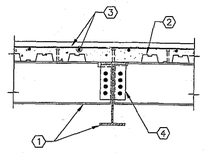
1. W12
2. POUR STOP
3. PL ½x15½x1-3½
4. ⅜" STIFF. PL. EA. SIDE
5. W14
6. W16
7. SLAB REINF PER PLAN
8. BEAM CONNECTION SEE 8/60 AND 9/60
9. 2-⅞"ϕ A325N

NOTES:

A. NORMAL WT CONCRETE F'c=4000 PSI

ITEMS:

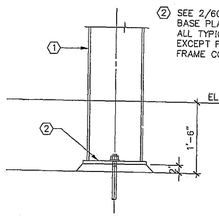
1. STRUCTURAL STEEL FLOOR BEAM PER PLAN
2. 3" 18 GAGE STEEL FLOOR DECK
3. SLAB REINF PER PLAN
4. BEAM CONNECTION SEE 8/60 AND 9/60



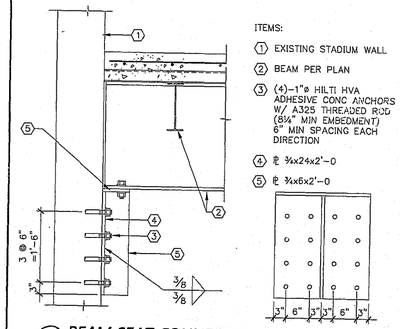
7/61 FLOOR SLAB / BEAM DETAIL

ITEMS:

1. STEEL COLUMN
2. SEE 2/60 FOR COLUMN BASE PLATE SIZE FOR ALL TYPICAL COLUMNS EXCEPT FOR BRACED FRAME COLUMNS.



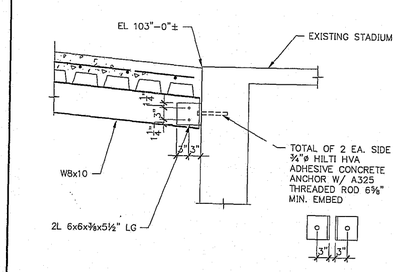
8/61 COLUMN BASE PLATE



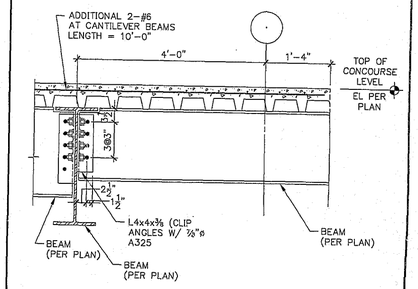
ITEMS:

1. EXISTING STADIUM WALL
2. BEAM PER PLAN
3. (4)-1"ϕ HILTI HVA ADHESIVE CONC ANCHORS W/ A325 THREADED ROD (6¼" MIN EMBEDMENT) 6" MIN SPACING EACH DIRECTION
4. PL ¾x24x2'-0
5. PL ¾x6x2'-0

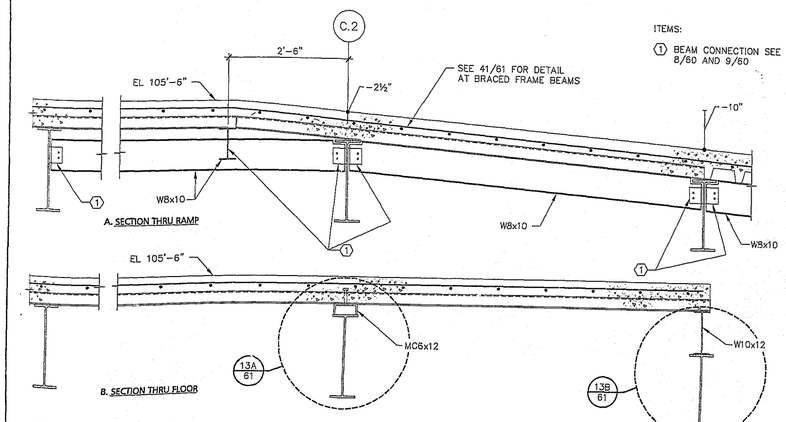
9/61 BEAM SEAT CONNECTION



10/61 RAMP BEAM TO EXISTING STADIUM CONNECTION



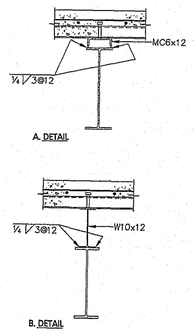
11/61 CANTILEVER BEAM DETAIL AT GRIDS 1 AND 23



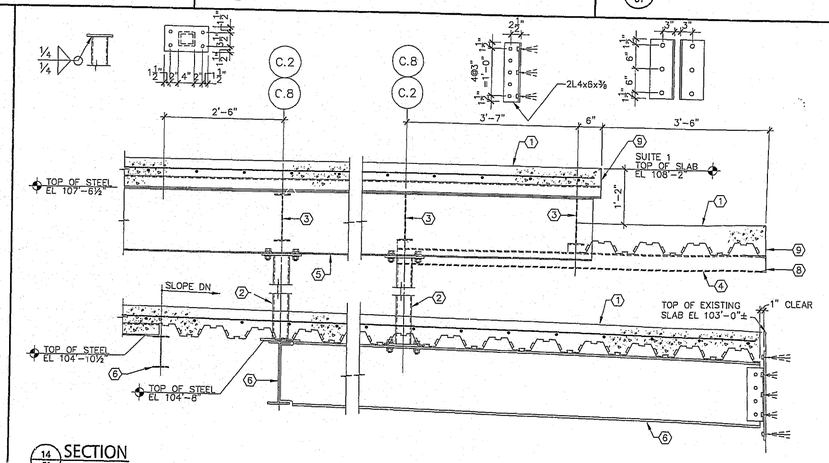
ITEMS:

1. BEAM CONNECTION SEE 8/60 AND 9/60

12/61 SECTION



13/61 DETAIL



ITEMS:

1. CONC SLAB & METAL DECK PER PLAN
2. TS4x4x⅜ POST
3. W12x14 BEYOND
4. W4 BEYOND
5. W16x31 PER PLAN
6. W16x40 OR W21x44 PER PLAN
7. FACE OF EXISTING CONC
8. C4 BEYOND
9. POUR STOP

14/61 SECTION

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"ACME - ACME" STADIUM

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SEP 13, 2000

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SECTIONS AND DETAILS

Scale 1"=1'-0"

Date 23 JUNE 2000 Comm. No. 9890.0001.00
In Charge BRW PHASE 1B
Drawn By ADC
Checked By BRW

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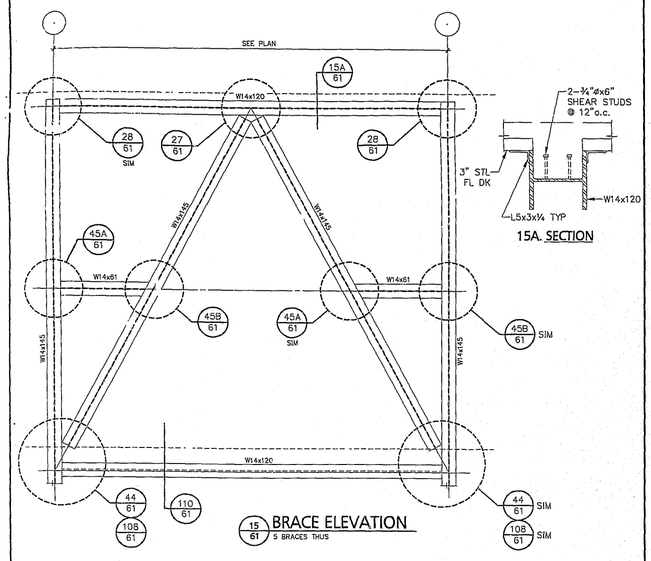
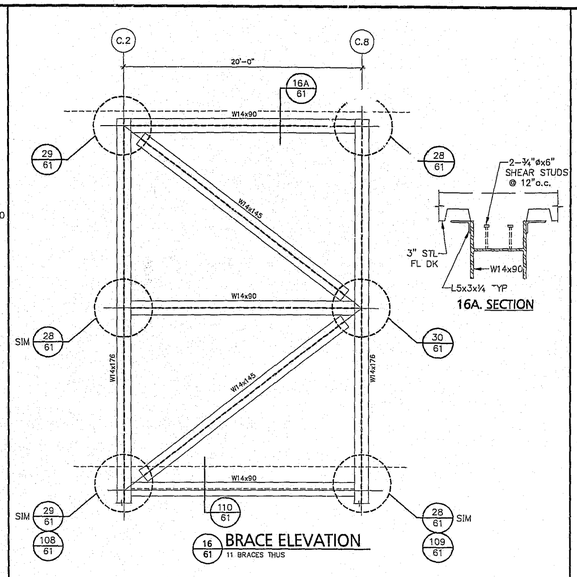


15 61 BRACE ELEVATION
5 BRACES THUS

15A. SECTION

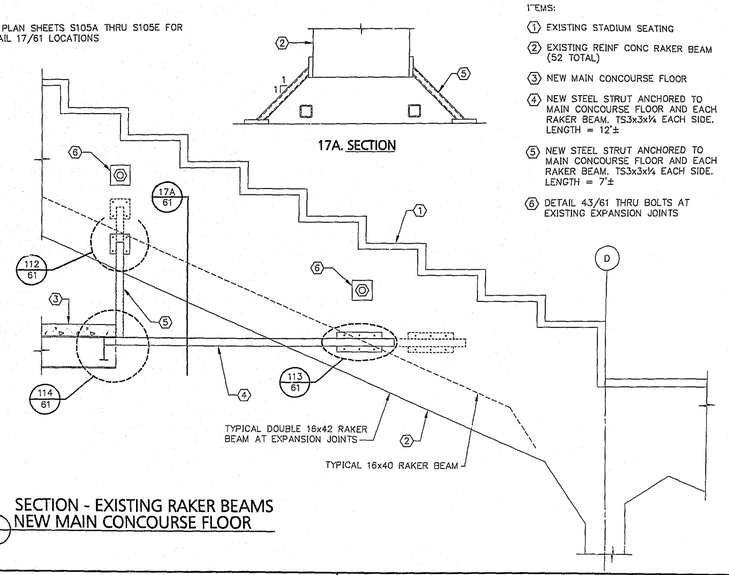


16 61 BRACE ELEVATION
11 BRACES THUS

16A. SECTION

NOTE:

A. SEE PLAN SHEETS S105A THRU S105E FOR DETAIL 17/61 LOCATIONS

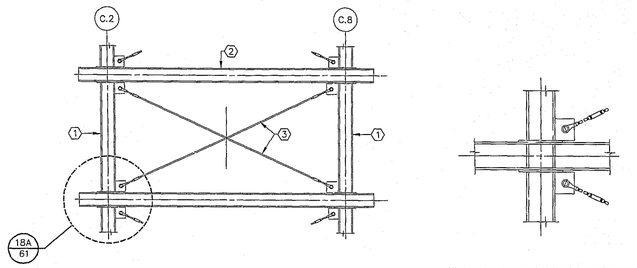


17A. SECTION

ITEMS:

1. EXISTING STADIUM SEATING
2. EXISTING REINF CONC RAKER BEAM (52 TOTAL)
3. NEW MAIN CONCOURSE FLOOR
4. NEW STEEL STRUT ANCHORED TO MAIN CONCOURSE FLOOR AND EACH RAKER BEAM. TS3x3x¼ EACH SIDE. LENGTH = 12'±
5. NEW STEEL STRUT ANCHORED TO MAIN CONCOURSE FLOOR AND EACH RAKER BEAM. TS3x3x¼ EACH SIDE. LENGTH = 7'±
6. DETAIL 4.3/61 THRU BOLTS AT EXISTING EXPANSION JOINTS

17 61 SECTION - EXISTING RAKER BEAMS NEW MAIN CONCOURSE FLOOR

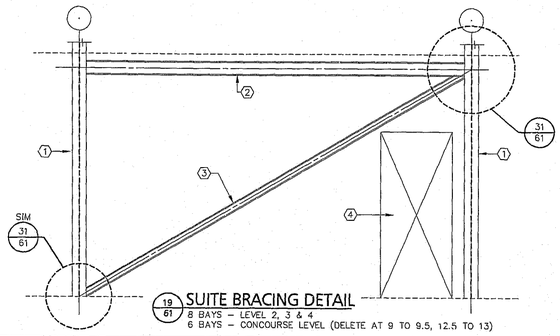


18 61 SUITE BRACING DETAIL
8 BAYS – LEVEL 2, 3 & 4
7 GRID LOCATIONS – CONCOURSE LEVEL (DELETE AT 9 AND 12.5)

18A. BRACE CONNECTION DETAIL

ITEMS:

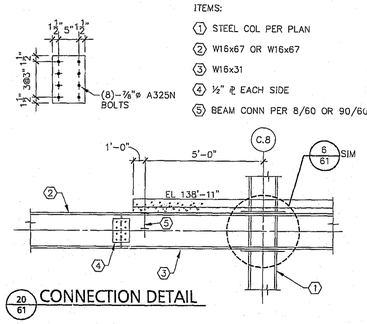
1. STEEL COL PER PLAN
2. STEEL BEAM PER PLAN
3. TENSION BRACE
   ROOF TO LVL 4 – 1½"ø
   SUITE 4 TO 3 – 1¾"ø
   SUITE 3 TO 2 – 2¼"ø
   SUITE 2 TO CONCOURSE – 2¼"ø
   A588 STEEL Fy=50 KSI



19 61 SUITE BRACING DETAIL
8 BAYS – LEVEL 2, 3 & 4
6 BAYS – CONCOURSE LEVEL (DELETE AT 9 TO 9.5, 12.5 TO 13)

ITEMS:

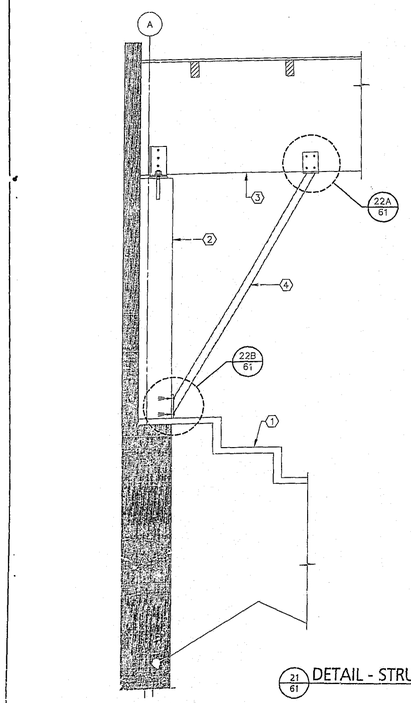
1. STEEL COL PER PLAN
2. STEEL BEAM PER PLAN
3. BRACE
   ROOF TO 4 – W10x33
   SUITE 4 TO 3 – W10x39
   SUITE 3 TO 2 – W10x45
   SUITE 2 TO CONCOURSE – W10x49
4. DOOR TO SUITE



20 61 CONNECTION DETAIL

ITEMS:

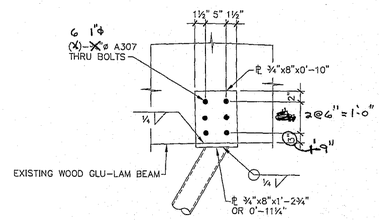
1. STEEL COL PER PLAN
2. W16x67 OR W16x67
3. W16x31
4. ½" ℄ EACH SIDE
5. BEAM CONN PER 8/60 OR 90/60



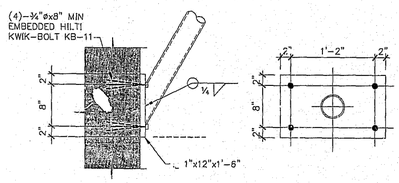
21 61 DETAIL - STRUT A & STRUT C

ITEMS:

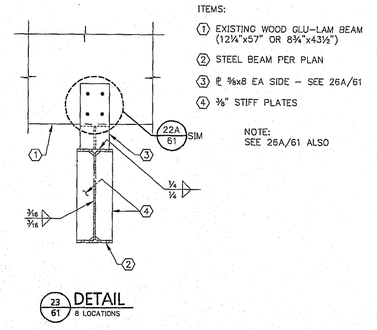
1. EXISTING STADIUM SEATING
2. EXISTING REINF CONC COL OR STEEL COLUMN
3. EXISTING WOOD GLU-LAM BEAM (12¼"x57" OR 8¾"x43½")
4. NEW STEEL PIPE STRUTS
   STRUT A = 5"ø STD STEEL PIPE
   STRUT C = 6"ø STD STEEL PIPE



22A 61 DETAIL



228 61 DETAIL

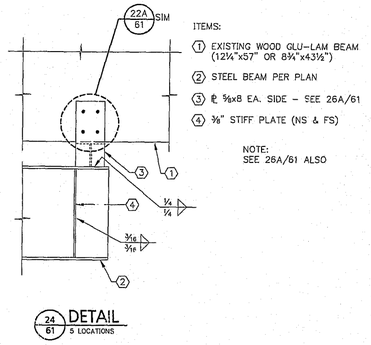


23 61 DETAIL
8 LOCATIONS

ITEMS:

1. EXISTING WOOD GLU-LAM BEAM (12¼"x57" OR 8¾"x43½")
2. STEEL BEAM PER PLAN
3. ℄ ⅝x8 EA SIDE – SEE 26A/61
4. ⅜" STIFF PLATES

NOTE: SEE 26A/61 ALSO

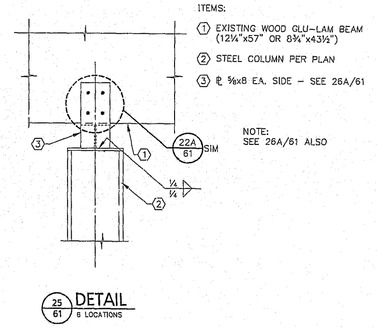


24 61 DETAIL
5 LOCATIONS

ITEMS:

1. EXISTING WOOD GLU-LAM BEAM (12¼"x57" OR 8¾"x43½")
2. STEEL BEAM PER PLAN
3. ℄ ⅝x8 EA. SIDE – SEE 26A/61
4. ⅜" STIFF PLATE (NS & FS)

NOTE: SEE 26A/61 ALSO

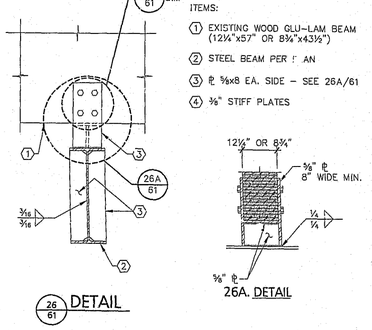


25 61 DETAIL
6 LOCATIONS

ITEMS:

1. EXISTING WOOD GLU-LAM BEAM (12¼"x57" OR 8¾"x43½")
2. STEEL COLUMN PER PLAN
3. ℄ ⅝x8 EA. SIDE – SEE 26A/61
4. ⅜" STIFF PLATES

NOTE: SEE 26A/61 ALSO



26 61 DETAIL

26A. DETAIL

Revision Date No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.344.5106
Facsimile: 503.344.5110

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.7300
Facsimile: 503.823.7582

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E B Architects
605 West 47th Street, Suite 200
Kansas City, MO 64112-1905
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Facsimile: 816.561.2383

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Fletcher, Farr, Ayotte, P.C.
708 S.W. Third Ave., Suite #300
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Telephone: 503.223.3366
Facsimile: 503.223.2701

Cost
FP&C Consultants, Inc.
8313 West Parkway, SUITE 225
Kansas City, MO 64112
Telephone: 816.523.3377
Facsimile: 816.523.8556

Construction Manager
Turner Construction Company
5200 S.W. MACADAM AVENUE
Portland, OR 97201
Telephone: 503.226.9825
Facsimile: 503.226.9826

Food Service
DGA Design, Inc.
10551 Shellbridge Way, Suite 100
Richmond, B.C. V6X2W9
Telephone: 604.232.9544
Facsimile: 604.232.9545

Acoustic Control
Pelton Marsh Kinsella
1424 W. Mockingbird Lane, Suite 400
Dallas, TX 75247
Telephone: 214.684.7444
Facsimile: 214.951.7408

Civil Engineer
Thomas / Wright, Inc.
7190 SW Fir Loop
Tigard, OR 97223
Telephone: 503.624.9468
Facsimile: 503.639.8307

Landscape Architect
Perron Collaborative
800 N.W. Sixth Ave., Suite 316
Portland, OR 97209
Telephone: 503.223.2200
Facsimile: 503.223.3217

Cost Estimating
Rider Hunt Levett & Bailey
620 S.W. Fifth Ave., Suite 900
Portland, OR 97204
Telephone: 503.220.1359
Facsimile: 503.220.1207

Acoustic Control
Michael A. Minor & Associates
3665 S.W. Kelly Avenue 97201
Portland, OR
Telephone: 503.220.0495
Facsimile: 503.796.0893

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON JANUARY, 1980 BRUCE R. WERTZ

B. Richard Wertz
SEP 13, 2000

EB Architects

RECEIVED
SEP 15 2000
BUREAU OF BUILDING
DOCUMENT CONTROL
605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

APPROVED
SEP 18 2000

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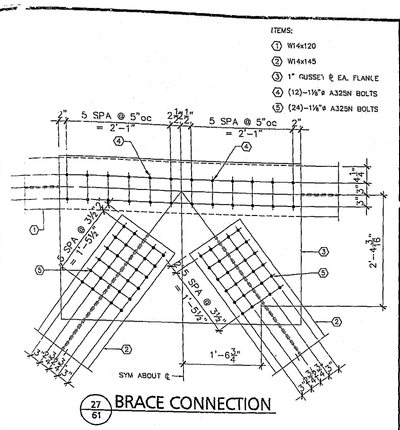
SECTIONS AND DETAILS

Scale 1"=1'-0"

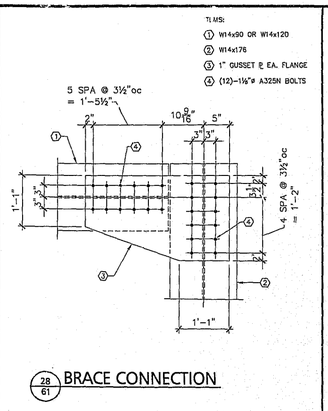
Date 23 JUNE 2000 Comm. No. 9890.0001.00
In Charge BRW PHASE 1B
Drawn By ADC
Checked By BRW

S612

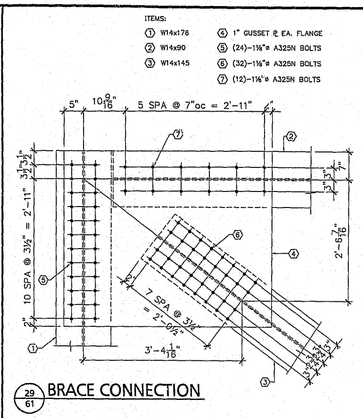
APR 4 2003 MICROFILMED
APR 4 2003 MICROFILMED



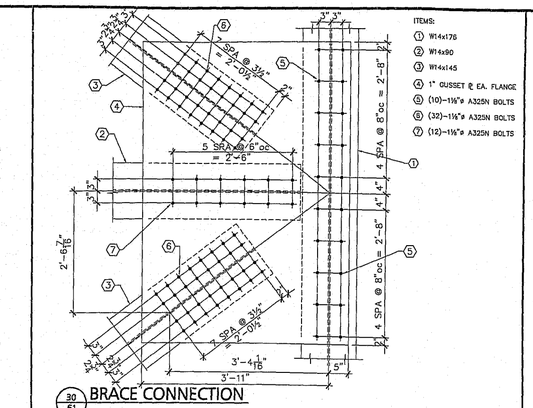
27/61 BRACE CONNECTION



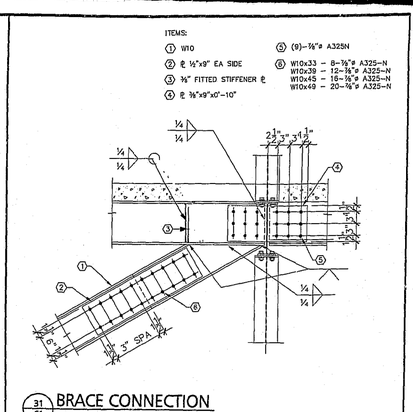
28/61 BRACE CONNECTION



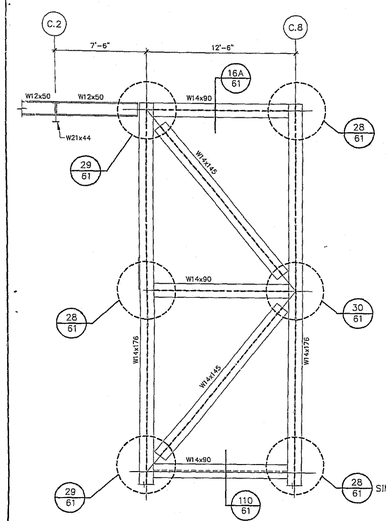
29/61 BRACE CONNECTION



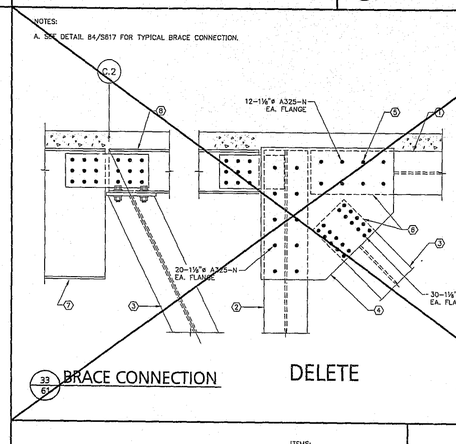
30/61 BRACE CONNECTION



31/61 BRACE CONNECTION

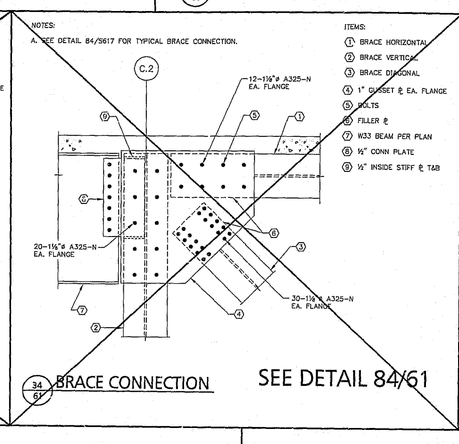


32/61 BRACE ELEVATION - GRID 19.2



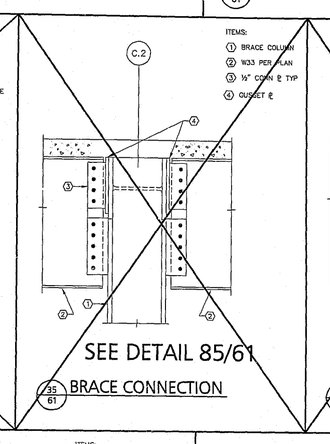
33/61 BRACE CONNECTION

DELETE



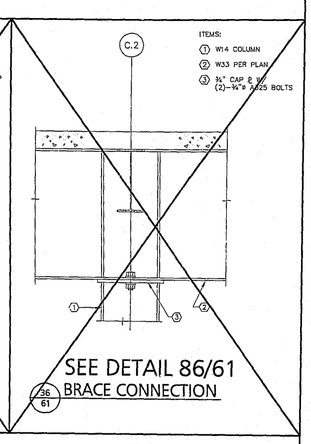
34/61 BRACE CONNECTION

SEE DETAIL 84/61



35/61 BRACE CONNECTION

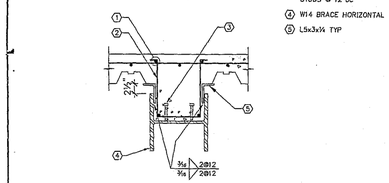
SEE DETAIL 85/61



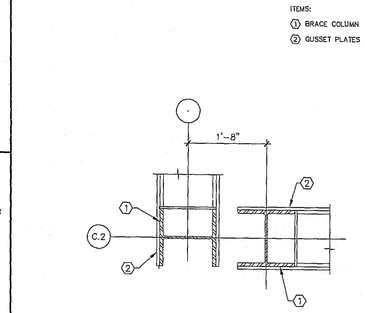
36/61 BRACE CONNECTION

SEE DETAIL 86/61

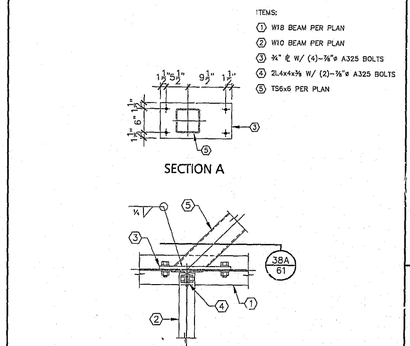
42/61 COMPOSITE SLAB DETAIL



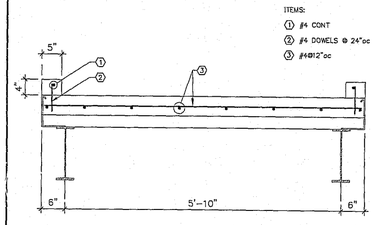
41/61 COMPOSITE SLAB DETAIL



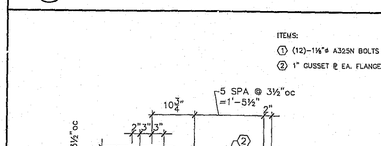
37/61 BRACE CONNECTION



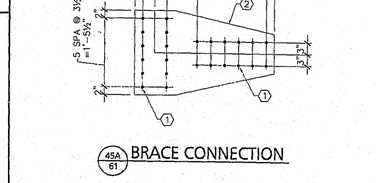
38/61 BRACE CONNECTION



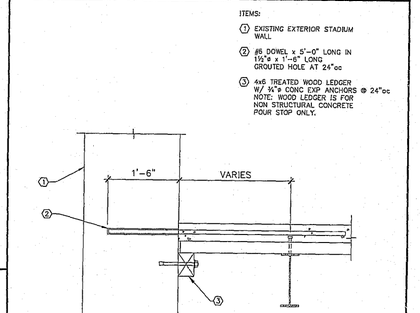
39/61 SECTION - TYPICAL VOMITORY SLAB



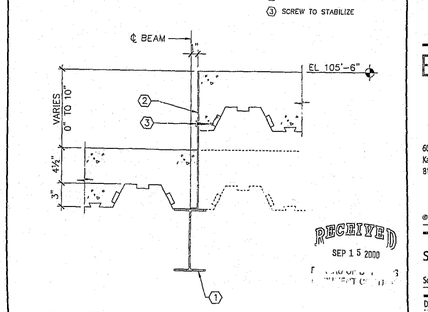
45A/61 BRACE CONNECTION



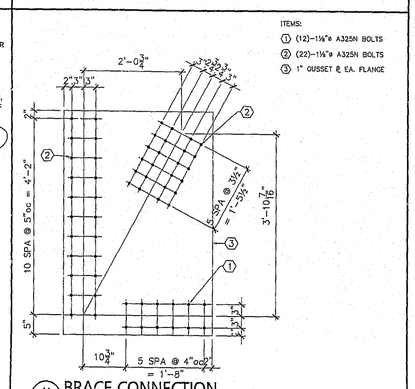
45B/61 BRACE CONNECTION



40/61 SLAB CONNECTION DETAIL



46/61 DETAIL AT VOMITORY SLOPE



43/61 DETAIL @ EXIST. BEAMS

PLACE THREE PER BAY, (A to C, C to D, D to E AND E to F) EQUAL SPACING

44/61 BRACE CONNECTION

APR 4 2003 MICROFILMED
APR 4 2003 MICROFILMED
T.U. 13#5. THRU 1.

Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
Portland Family Entertainment
1771 SW Madison
Portland, OR 97205
Telephone: 503.944.5100
Facsimile: 503.944.5110

Owner
City Of Portland
1900 S.W. Fourth Ave., Suite 500
Portland, OR 97204
Telephone: 503.823.7600
Facsimile: 503.823.7602

Architecture / Structural, Mechanical and Electrical Engineering:
E B Architects
605 West 47th Street, Suite 200
Kansas City, MO 64112-1905
Telephone: 816.561.4443
Facsimile: 816.561.2853

Associate Architect
Fletcher, Farr, Ayotte, P.C.
705 S.W. Third Ave., Suite #200
Portland, OR 97204
Telephone: 503.222.1681
Facsimile: 503.222.1701

Civil
FP&C Consultants, Inc.
9333 Ward Parkway, SUITE 225
Kansas City, MO 64112
Telephone: 816.523.3377
Facsimile: 816.523.8256

Construction Manager
Turner Construction Company
5200 S.W. MACADAM AVENUE
Portland, OR 97201
Telephone: 503.226.5525
Facsimile: 503.226.5834

Food Service
DGA Design, Inc.
10551 Shellbridge Way, Suite 100
Richmond, B.C. V6X2W9
Telephone: 604.232.9644
Facsimile: 604.232.9545

Acoustic Control
Pelton Marsh Kinsella
1400 W. Meadow Golf Lane, Suite 400
Dallas, TX 75247
Telephone: 214.484.7444
Facsimile: 214.951.7408

Civil Engineer
Thomas / Wright, Inc.
7190 SW FH Loop
Tigard, OR 97223
Telephone: 503.624.1408
Facsimile: 503.839.8397

Landscape Architect
Perron Collaborative
800 N.W. Sixth Ave., Suite 326
Portland, OR 97209
Telephone: 503.223.2356
Facsimile: 503.223.3217

Cost Estimating
Rider Hunt Levett & Bailey
833 S.W. 11th Ave., Suite 900
Portland, OR 97204
Telephone: 503.228.2710
Facsimile: 503.228.1267

Acoustic Control
Michael A. Minor & Associates
3003 S.W. Kelly Avenue
Portland, OR 97201
Telephone: 503.226.0496
Fax-to-Use: 503.796.0993

REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON DEC. 7, 1979 RICHARD WEST

A. Richard West
SEP 13, 2000

EB Architects

605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

City of Portland APPROVED SEP 18 2000 Permit Number EB Architects

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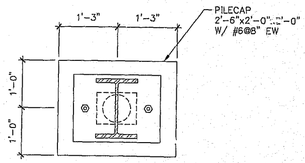
SECTIONS AND DETAILS

Scale

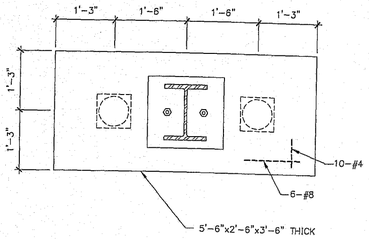
Date 23 JUNE 2000	Comm. No. 9890.0001.00
In Charge BRW	PHASE 1B
Drawn By ADC	S613
Checked By BRW	

NEW PILECAP FOUNDATIONS			
GRID ~	NO. OF PILES	COMP	TEN
C.2–22.9	5	100T	80T
C.8–22.9	5	100T	80T
C.4–19.7	5	100T	80T
C.4–19.2	5	100T	80T
C.8–19.2	5	100T	80T
C.2–16.9	5	100T	80T
C.8–16.9	5	100T	80T
C.2–12.5	5	100T	80T
C.8–12.5	5	100T	80T
C.2–11	5	100T	80T
C.8–11	5	100T	80T
C.2–9.5	5	100T	80T
C.8–9.5	5	100T	80T
C.2–13	5	100T	80T
C.2–9	5	100T	80T
C.2–5.9	5	100T	80T
C.8–5.9	5	100T	80T
C.2–3.9	5	100T	80T
C.8–3.9	5	100T	80T
C.2–2.1	5	100T	80T
C.8–2.1	5	100T	80T
C.2–21.9	4	100T	80T
C.2–15.9	4	100T	80T
C.2–4.9	4	100T	80T
C.2–2.9	4	100T	80T
C.8–12	3	90T	–
C.8–11.5	3	90T	"
C.8–10.5	3	90T	"
C.2–10	3	90T	"
C.8–10	3	90T	"
C.2–20.9	2	90T	"
B.9–19.9	2	90T	"
C.9–18.9	2	90T	"
C.2–14.9	2	90T	"
C.2–13.9	2	90T	"
C.8–13	2	90T	"
C.2–12	2	90T	"
C.2–11.5	2	90T	"
C.2–10.5	2	90T	"
C.8–9	2	90T	"
C.2–7.9	2	90T	"
C.2–6.9	2	90T	"
C.2–1.1	1	60T	"
C.2–17.9	2	90T	"

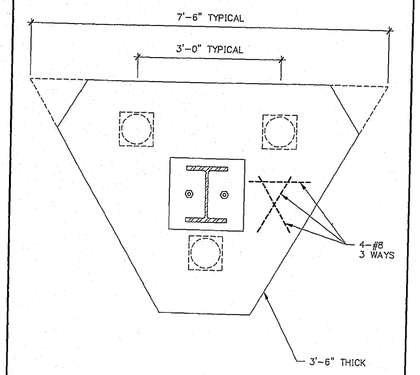
47/61 NEW PILECAP FOUNDATIONS



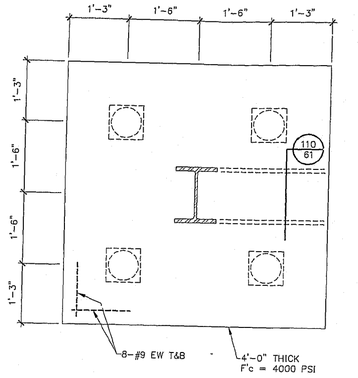
48/61 ONE PILE PILECAP



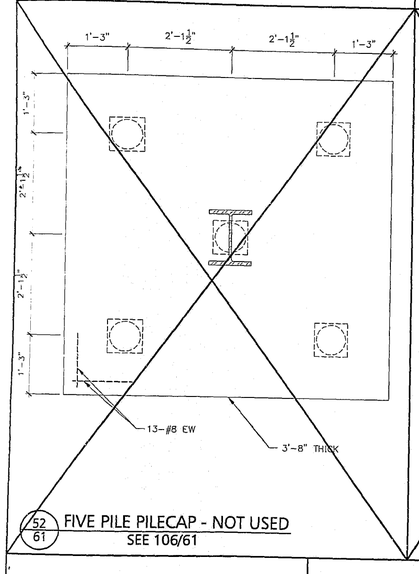
49/61 TWO PILE PILECAP



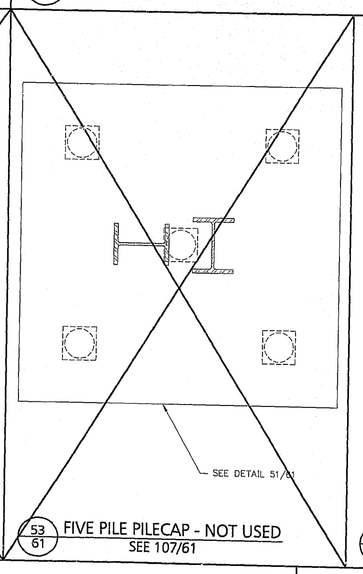
50/61 THREE PILE PILECAP



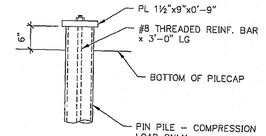
51/61 FOUR PILE PILECAP



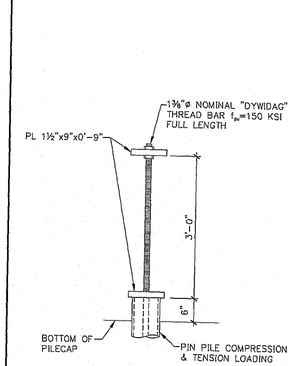
52/61 FIVE PILE PILECAP - NOT USED
SEE 106/61



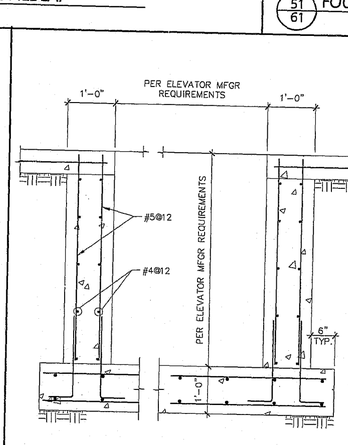
53/61 FIVE PILE PILECAP - NOT USED
SEE 107/61



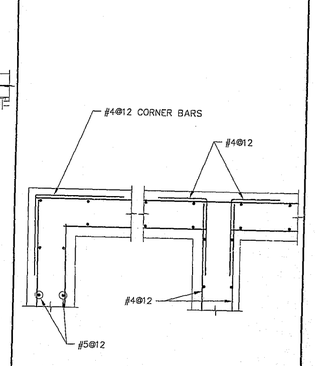
54/61 COMPRESSION PIN PILE



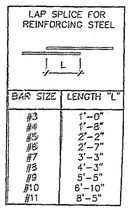
55/61 COMPRESSION AND
TENSION PIN PILE



56/61 ELEVATOR PIT SECTION

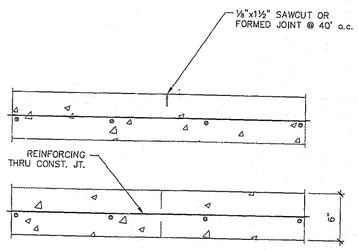


57/61 ELEVATOR PIT WALL
CORNER AND TEE

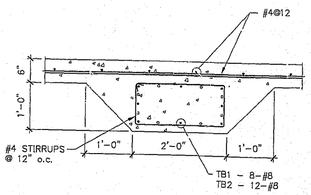


BAR SIZE	LENGTH "L"
#3	1'–0"
#4	1'–8"
#5	2'–2"
#6	2'–7"
#7	3'–3"
#8	4'–3"
#9	5'–5"
#10	6'–10"
#11	8'–5"

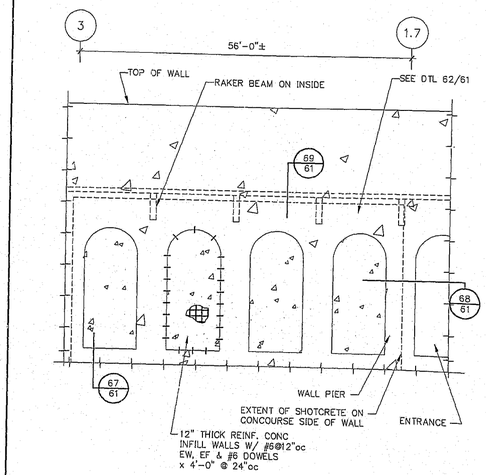
58/61 LAP SPLICE LENGTHS



59/61 SLAB ON GRADE CONTROL
AND CONST. JOINTS



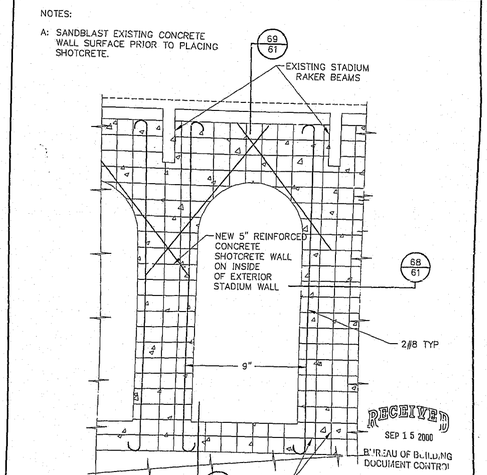
60/61 TIE BEAM TB1 & TB2 DETAILS



61/61 ELEVATION - EXISTING EXTERIOR STADIUM WALL

NOTES:

A: SANDBLAST EXISTING CONCRETE WALL SURFACE PRIOR TO PLACING SHOTCRETE.



62/61 ELEVATION - EXISTING STADIUM WALL PIER

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Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
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Facsimile: 503.914.9110

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Facsimile: 604.232.9945

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Facsimile: 214.951.7408

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REGISTERED PROFESSIONAL ENGINEER 14719 OREGON RICHARD WATT
B Richard Watt
SEP 13, 2000

EB Architects
605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

City of Portland APPROVED SEP 18 2000 Permit Number
EB Architects

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SECTIONS AND DETAILS

Scale

Date 23 JUNE 2000 Comm. No. 9890.0001.00
In Charge BRW PHASE 1B
Drawn By SAC
Checked By BRW

S614

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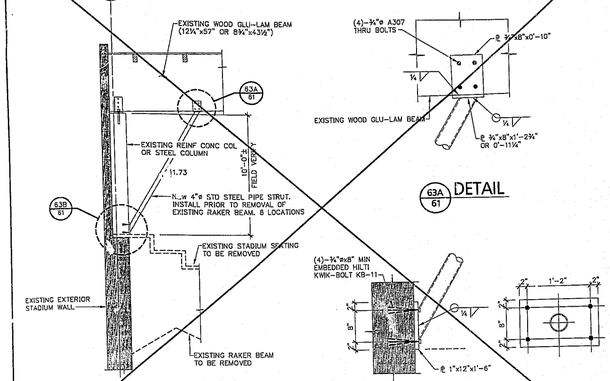
T. U. 1.3.5 THRU 1.3.5

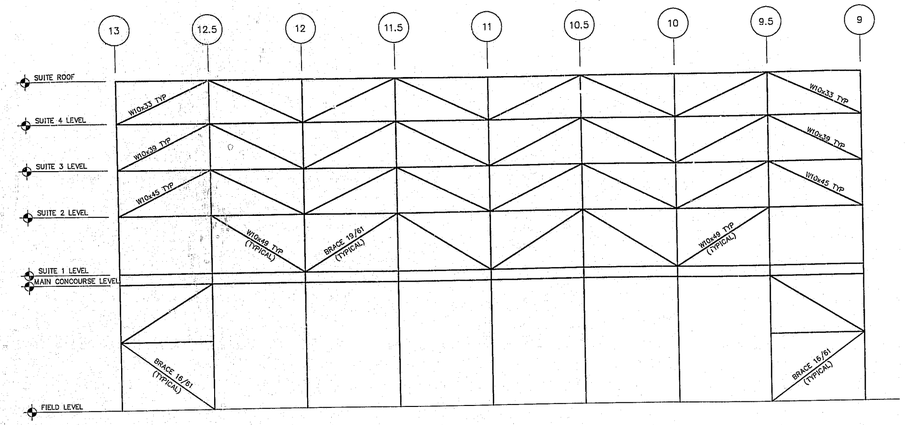
PHASE 1A DEMOLITION WORK



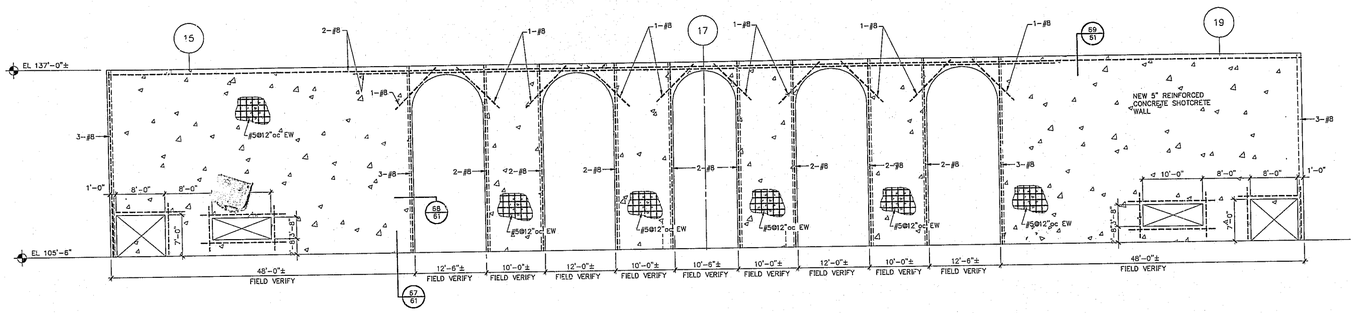
63/61 DETAIL BETWEEN GRIDS 9 & 13

63A/61 DETAIL

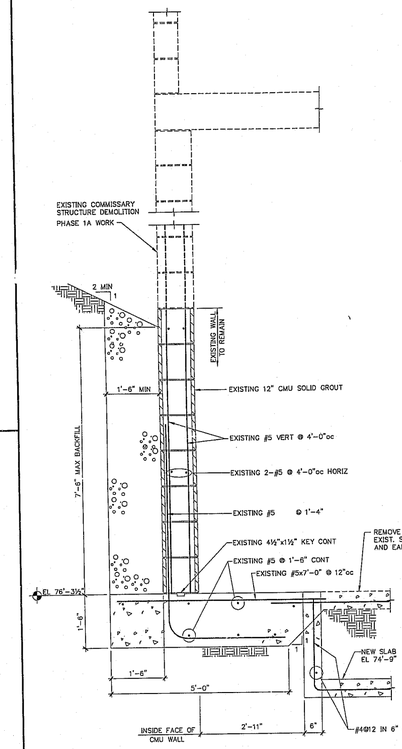
63B/61 DETAIL



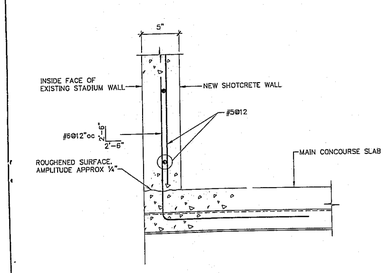
64/61 ELEVATION - BRACING ALONG GRID C.2



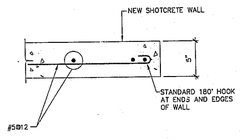
66/61 ELEVATION - EXISITING WALL



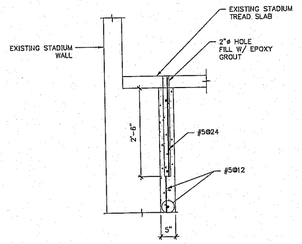
65/61 EXISTING COMMISSARY WEST WALL SECTION



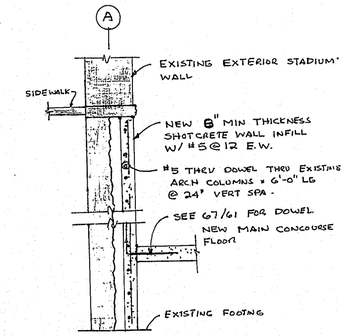
67/61 SECTION



68/61 SECTION



SECTION



70/61 SECTION

71/61 SECTION

72/61 SECTION

73/61 SECTION

74/61 SECTION

75/61 SECTION

76/61 SECTION

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"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

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Facsimile: 604.232.9945

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Facsimile: 214.951.7488

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REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON OCT. 1999 R. RICHARD WATT
R. Richard Watt
SEP 13, 2000

EB Architects

605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

CITY OF PORTLAND APPROVED SEP 15 2000 BUREAU OF BUILDING

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SECTIONS AND DETAILS

Scale

Date 23 JUNE 2000 Comm. No. 9890.0001.00
In Charge BRW PHASE 1B
Drawn By AOC
Checked By BRW

S615

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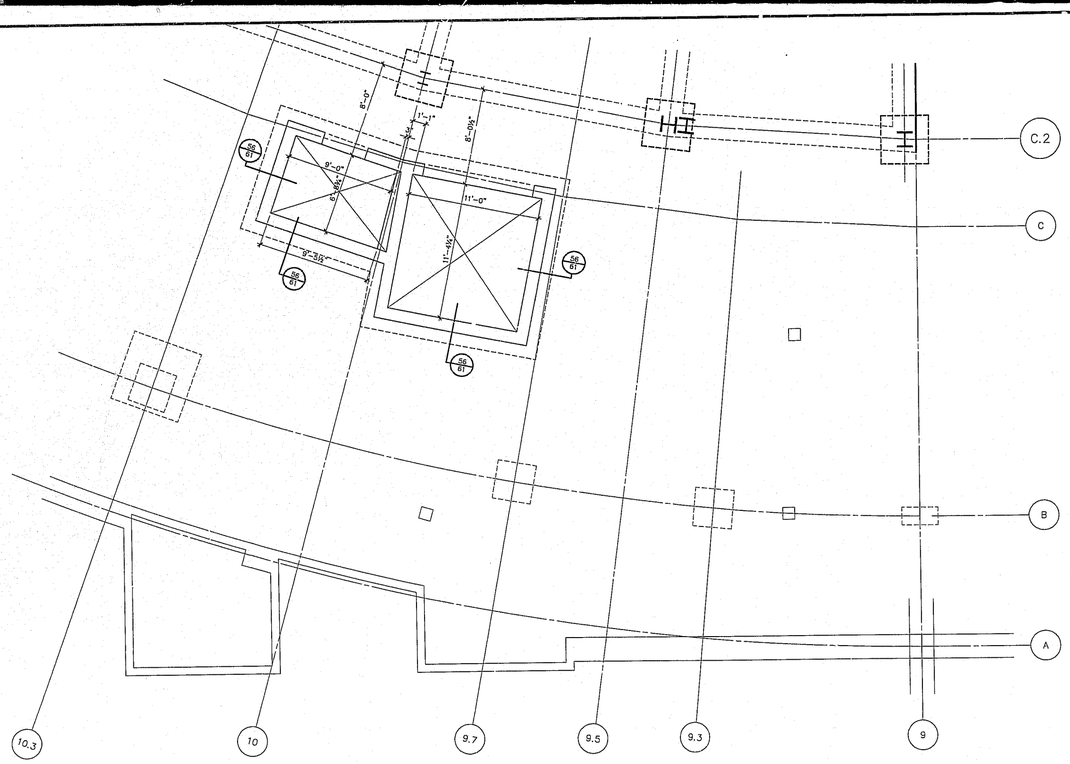
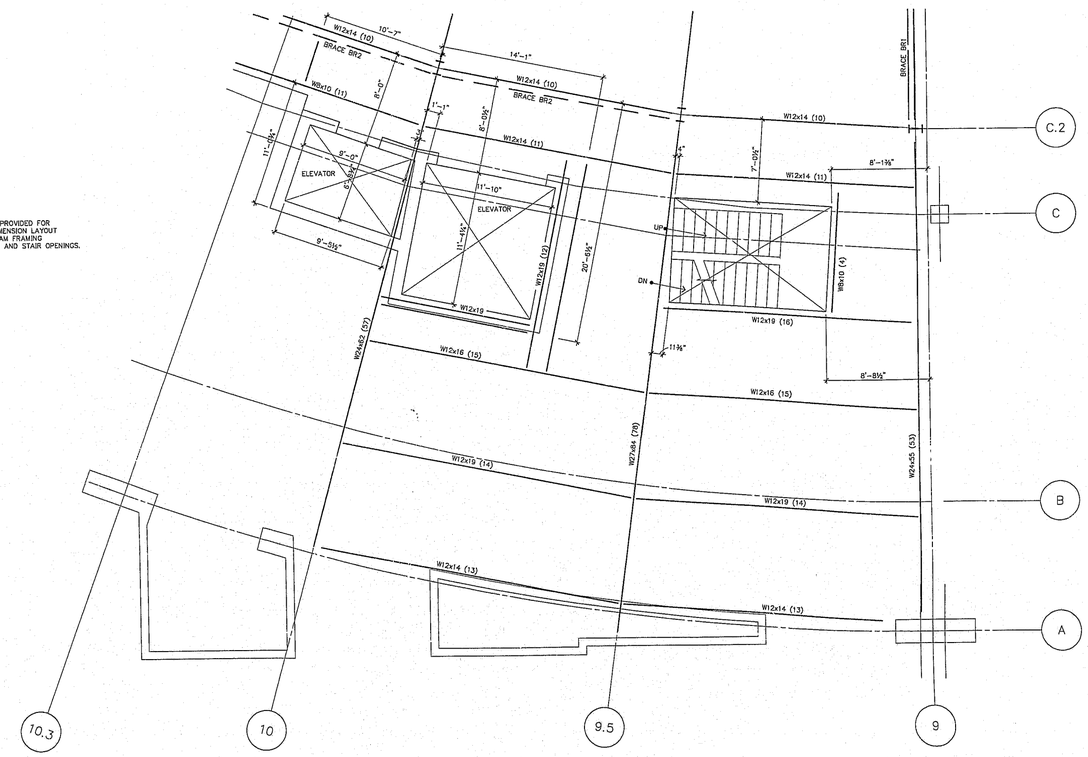
T. Zhu 13.5



1 5616 ELEVATOR PIT PLAN



NOTE:
THIS PLAN IS PROVIDED FOR INDICATING DIMENSION LAYOUT FOR STEEL BEAM FRAMING FOR ELEVATOR AND STAIR OPENINGS.

2 5616 ELEVATOR/STAIR FRAMING PLAN

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Revision	Date	No.

"ACME - ACME" STADIUM

Portland Civic Stadium Renovation
1844 Morrison St.
Portland, OR 97201

Developer
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Telephone: 503.226.5825
Facsimile: 503.225.9856

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Richmond, B.C. V6V2H9
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Facsimile: 604.232.9945

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REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14719 OREGON JULY, 1980 RENEWAL 2001
B. Richard Wiebe
SEP 13, 2000

EB Architects

605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

City of Portland APPROVED SEP 16 2000 Commissioner

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SECTIONS AND DETAILS

Scale

Date 23 JUNE 2000 Comm. No. 9890.0101.30
In Charge BRW PHASE 1B
Drawn By ADC, SAG
Checked By BRW

S616

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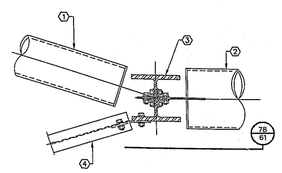
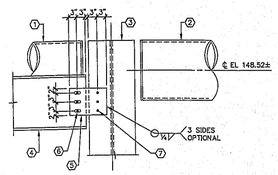
APR 4 2003 MICROFILMED

ITEMS:
1. EXISTING TRUSS D TOP CHORD TO BE REMOVED LATER
2. EXISTING TRUSS C TOP CHORD
3. EXISTING W14x176 COLUMN
4. NEW W18x50



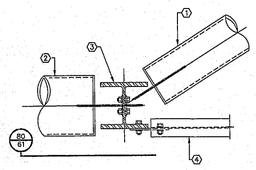
77/61 PLAN BETWEEN GRIDS 9 & 8.7

ITEMS:
1. EXISTING TRUSS D TOP CHORD TO BE REMOVED LATER
2. EXISTING TRUSS C TOP CHORD
3. EXISTING W14x176 COLUMN
4. W18x35
5. ½" SPLICE PL
6. (3)–⅞"ø A325N BOLTS W/ 15/16 X 1 3/16 SLOTTED HOLE
7. (3)–⅞"ø A325N BOLTS–OPTIONAL



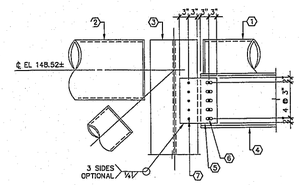
78/61 SECTION

ITEMS:
1. EXISTING TRUSS D TOP CHORD TO BE REMOVED LATER
2. EXISTING TRUSS E TOP CHORD
3. EXISTING W14x120 COLUMN
4. NEW W18x50



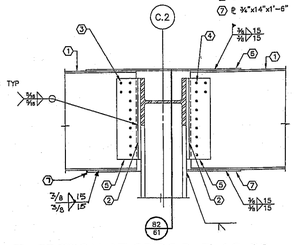
79/61 PLAN AT GRID 13.8

ITEMS:
1. EXISTING TRUSS D TOP CHORD TO BE REMOVED LATER
2. EXISTING TRUSS E TOP CHORD
3. EXISTING W14x120 COLUMN
4. W18x50
5. ½" SPLICE PL
6. (5)–⅞"ø A325N BOLTS W/ 15/16 X 1 3/16 SLOTTED HOLE
7. (5)–⅞"ø A325N BOLTS–OPTIONAL



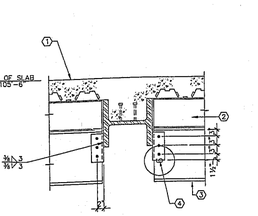
80/61 SECTION

ITEMS:
1. W33
2. GUSSET PLATE
3. (11)–⅞"ø A325N BOLTS
4. (11)–⅞"ø A325N BOLTS
5. ½" SHEAR TAB – SEE 8/60 AND 9/60 FOR TYPICAL BEAM CONNECTION
6. ℄ PL ¾"x10"x4'–0"
7. ℄ PL ¾"x14"x1'–6"



81/61 SECTION AT GRIDS 3, 5, 16, 22

ITEMS:
1. W14 COL
2. W33
3. W14
4. W21 OR W18
5. ½" SHEAR TAB SEE 8/60 AND 9/60 FOR BEAM CONNECTION
6. ¾" PLATE
7. (9)–⅞"ø A325N BOLTS
8. (18)–1⅛"ø A325N BOLTS EACH FLANGE
9. (12)–1⅛"ø A325N BOLTS EACH FLANGE
10. GUSSET PLATE – SEE 28/61

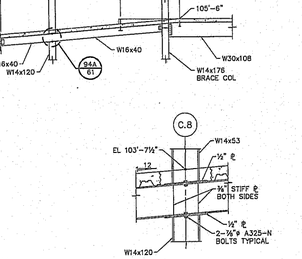


82/61 SECTION

ITEMS:
1. W14 COL
2. ½" ℄
3. ¾" ℄

83/61 SECTION

ITEMS:
1. W14 COL
2. W21
3. W33
4. W14
5. (11)–⅞"ø A325N BOLTS SEE 8/60 AND 9/60 FOR BEAM CONNECTION
6. (12)–1⅛"ø A325N BOLTS
7. (32–1⅛"ø A325N BOLTS EACH FLANGE
8. GUSSET PLATE–SEE 28/61
9. (24)–1⅛"ø A325N BOLTS EACH FLANGE
10. GUSSET PLATE



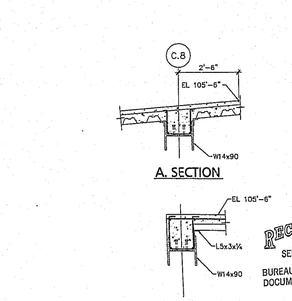
84/61 SECTION AT GRID 2, 4. 7, 17, & 23

NOTES:
A. THIS SECTION IS NEAR GRIDS 2, 4, 7, 17 & 23

ITEMS:
1. W21
2. ¾" SHEAR TAB
3. (5)–¾"ø A325N BOLTS–SEE 8/60 AND 9/60 FOR BEAM CONNECTION
4. GUSSET PLATE
5. ½" ℄
6. ½" SHEAR TAB

85/61 SECTION

ITEMS:
1. W21X44
2. ¾" STIFF ℄ EACH SIDE
3. W27x84
4. SEE 36/61
5. W14 COLUMN
6. ⅞" A325N EA. SIDE OF WEB
7. ℄ PL ½ X 15 ½ X 1'–3½"



86/61 DETAIL

ITEMS:
1. W21X44
2. W27x84
3. ½" SHEAR TAB SEE 8/60 AND 9/60 FOR BEAM CONNECTION
4. ¾" PLATE
5. (9)–⅞"ø A325N BOLTS
6. (18)–1⅛"ø A325N BOLTS EACH FLANGE
7. (12)–1⅛"ø A325N BOLTS EACH FLANGE
8. GUSSET PLATE – SEE 28/61

82/61 SECTION

ITEMS:
1. W14 COL
2. ½" ℄
3. ¾" ℄

83/61 SECTION

ITEMS:
1. W14 COL
2. W21
3. W33
4. W14
5. (11)–⅞"ø A325N BOLTS SEE 8/60 AND 9/60 FOR BEAM CONNECTION
6. (12)–1⅛"ø A325N BOLTS
7. (32–1⅛"ø A325N BOLTS EACH FLANGE
8. GUSSET PLATE–SEE 28/61
9. (24)–1⅛"ø A325N BOLTS EACH FLANGE
10. GUSSET PLATE

84/61 SECTION AT GRID 2, 4. 7, 17, & 23

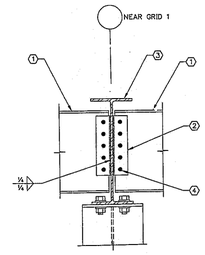
NOTES:
A. THIS SECTION IS NEAR GRIDS 2, 4, 7, 17 & 23

ITEMS:
1. W21
2. ¾" SHEAR TAB
3. (5)–¾"ø A325N BOLTS–SEE 8/60 AND 9/60 FOR BEAM CONNECTION
4. GUSSET PLATE
5. ½" ℄
6. ½" SHEAR TAB

85/61 SECTION

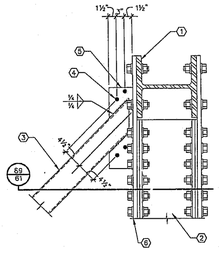
ITEMS:
1. W21X44
2. ¾" STIFF ℄ EACH SIDE
3. W27x84
4. SEE 36/61
5. W14 COLUMN
6. ⅞" A325N EA. SIDE OF WEB
7. ℄ PL ½ X 15 ½ X 1'–3½"

86/61 DETAIL



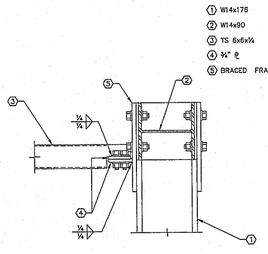
ITEMS:
1. W21X44
2. ¾" SHEAR TAB
3. W27x84
4. 5 – ⅞"ø A325–N BOLTS SEE 8/60 AND 9/60 FOR BEAM CONNECTION

87/61 SECTION



ITEMS:
1. W14x176
2. W14x90
3. TS 6x6x¼
4. 4 – ⅞"ø A325–N BOLTS
5. ¾" ℄
6. BRACED FRAME GUSSET ℄

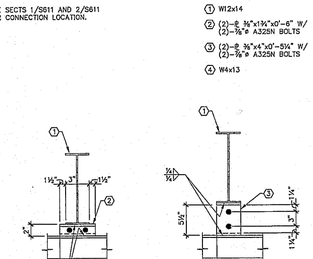
88/61 SECTION



ITEMS:
1. W14x176
2. W14x90
3. TS 6x6x¼
4. ¾" ℄
5. BRACED FRAME GUSSET ℄

89/61 SECTION

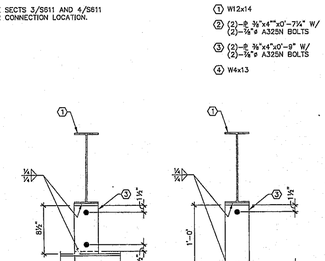
NOTES:
A. SEE SECTS 1/S611 AND 2/S611 FOR CONNECTION LOCATION.



ITEMS:
1. W12x14
2. (2)–⅞ 3/8"x14"x0'–6" W/ (2)–⅞"ø A325N BOLTS
3. (2)–⅞ 3/8"x14"x0'–5½" W/ (2)–⅞"ø A325N BOLTS
4. W4x13

90/61 SECTION

NOTES:
A. SEE SECTS 3/S611 AND 4/S611 FOR CONNECTION LOCATION.

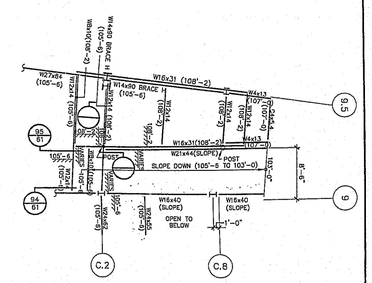


ITEMS:
1. W12x14
2. (2)–⅞ 3/8"x4"x0'–7¼" W/ (2)–⅞"ø A325N BOLTS
3. (2)–⅞ 3/8"x4"x0'–9" W/ (2)–⅞"ø A325N BOLTS
4. W4x13

91/61 SECTION

ITEMS:
1. SLAB PER PLAN
2. W10x12
3. W18
4. ℄ ½"x6"x0'–10" W/ (3)–¾"ø A325N BOLTS

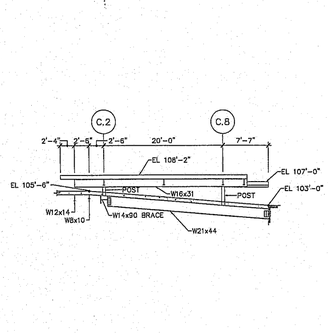
92/61 SECTION



93/61 PARTIAL FRAMING PLAN

A. DETAIL

94/61 SECTION



95/61 SECTION

A. SECTION

B. SECTION

96/61 SECTION

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T. 13.5

Revision	Date	No.

"ACME - ACME" STADIUM

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REGISTERED PROFESSIONAL STRUCTURAL ENGINEER 14710 OREGON DEC. 7, 1999 R. RICHARD WATT

R. Richard Watt
SEP 13, 2000

EB Architects

605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

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SECTIONS AND DETAILS

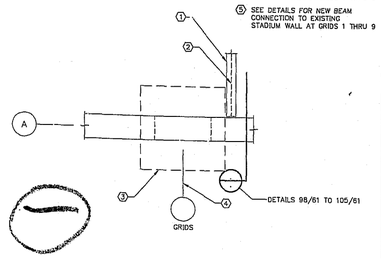
Scale

Date 23 JUNE 2000 Comm. No. 9890.0001.00
In Charge BRW PHASE 1B
Drawn By ADC
Checked By BRW

S617

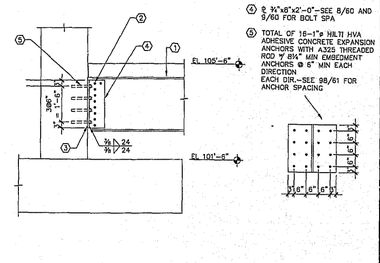
SEE DETAILS FOR NEW BEAM CONNECTION TO EXISTING STADIUM WALL AT GRIDS 1 TO 9.

ITEMS:
1. NEW BEAM
2. CUT SLOT IN EXISTING CONCRETE FOR NEW BEAMS
3. EXISTING FOOTING TO REMAIN
4. EXISTING STADIUM GRIDS 1 THRU 9
5. SEE DETAILS FOR NEW BEAM CONNECTION TO EXISTING STADIUM WALL AT GRIDS 1 THRU 9



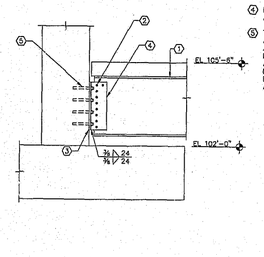
97/61 PLAN - GRIDLINE A - GRIDS 1 TO 9

ITEMS:
1. W27x84, PROVIDE SHORT SLOTTED HORIZONTAL HOLES IN BEAM.
2. 9–⅞"ø A325N BOLTS
3. ℄ ¾"x24"x2'–0"
4. ℄ ¾"x8"x2'–0"–SEE 8/60 AND 9/60 FOR BOLT SPA
5. TOTAL OF 16–1"ø HILTI HVA ADHESIVE CONCRETE EXPANSION ANCHORS WITH A325 THREADED ROD "Y 8¼" MIN EMBEDMENT ANCHORS @ 6" MIN EACH DIRECTION EACH DIR.–SEE 98/61 FOR ANCHOR SPACING



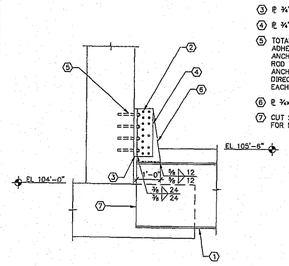
98/61 GRID LINE A @ GRID 1

ITEMS:
1. W30x116
2. 9–⅞"ø A325N BOLTS–SEE 8/60 AND 9/60 FOR BOLT SPACING
3. ℄ ¾"x24"x2'–0"
4. ℄ ¾"x8"x2'–0" – SEE 8/60 AND 9/60 FOR BOLT SPACING
5. TOTAL OF 16–1"ø HILTI HVA ADHESIVE CONCRETE EXPANSION ANCHORS WITH A325 THREADED ROD "Y 8¼" MIN EMBEDMENT ANCHORS @ 6" MIN EACH DIRECTION EACH DIR.–SEE 98/61 FOR ANCHOR SPACING



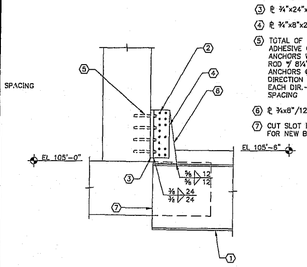
99/61 GRID LINE A @ GRID 2

ITEMS:
1. W33x118
2. 14–⅞"ø A325N BOLTS–SEE 8/60 AND 9/60 FOR BOLT SPACING
3. ℄ ¾"x24"x2'–0"
4. ℄ ¾"x8"x2'–0"
5. TOTAL OF 16–1"ø HILTI HVA ADHESIVE CONCRETE EXPANSION ANCHORS WITH A325 THREADED ROD "Y 8¼" MIN EMBEDMENT ANCHORS @ 6" MIN EACH DIRECTION EACH DIR.–SEE 98/61 FOR ANCHOR SPACING
6. ℄ ¾x8"/12"x2'–3"
7. CUT SLOT IN EXISTING CONCRETE FOR NEW BEAM



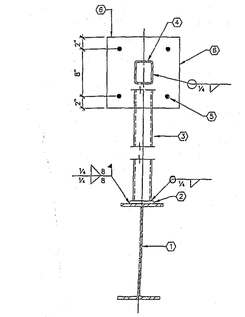
100/61 GRID LINE A @ GRID 3

ITEMS:
1. W33x130
2. 14–⅞"ø A325N BOLTS–SEE 8/60 AND 9/60 FOR BOLT SPACING
3. ℄ ¾"x24"x2'–0"
4. ℄ ¾"x8"x2'–0"
5. TOTAL OF 16–1"ø HILTI HVA ADHESIVE CONCRETE EXPANSION ANCHORS WITH A325 THREADED ROD "Y 8¼" MIN EMBEDMENT ANCHORS @ 6" MIN EACH DIRECTION EACH DIR.–SEE 98/61 FOR ANCHOR SPACING
6. ℄ ¾x8"/12"x2'–3"
7. CUT SLOT IN EXISTING CONCRETE FOR NEW BEAM



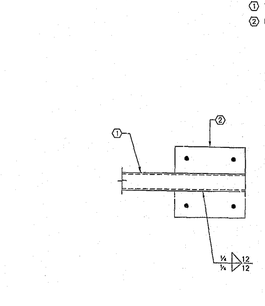
101/61 GRID LINE A @ GRID 4

ITEMS:
1. W33x118
2. 14–⅞"ø A325N BOLTS–SEE 8/60 AND 9/60 FOR BOLT SPACING
3. ℄ ¾"x24"x2'–0"
4. ℄ ¾"x8"x2'–0"
5. TOTAL OF 16–1"ø HILTI HVA ADHESIVE CONCRETE EXPANSION ANCHORS WITH A325 THREADED ROD "Y 8¼" MIN EMBEDMENT ANCHORS @ 6" MIN EA DIRECTION–SEE 98/61 FOR ANCHOR SPACING.
6. ℄ ¾x8"/12"x2'–3"
7. CUT SLOT IN EXISTING CONCRETE FOR NEW BEAM
8. EL 104'–0"



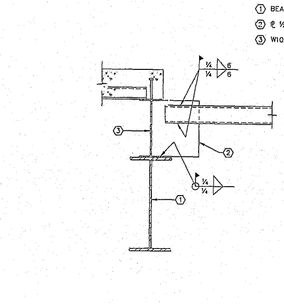
102/61 GRID LINE A @ GRID 5

ITEMS:
1. W33x118
2. 14–⅞"ø A325N BOLTS–SEE 8/60 AND 9/60 FOR BOLT SPACING
3. ℄ ¾"x24"x2'–0"
4. ℄ ¾"x8"x2'–0"
5. TOTAL OF 16–1"ø HILTI HVA ADHESIVE CONCRETE EXPANSION ANCHORS WITH A325 THREADED ROD "Y 8¼" MIN EMBEDMENT ANCHORS @ 6" MIN EA DIRECTION–SEE 98/61 FOR ANCHOR SPACING.
6. ℄ ¾x8"/12"x2'–3"
7. CUT SLOT IN EXISTING CONCRETE FOR NEW BEAM
8. TOP OF EXISTING 7'–0"x7'–0" CONC FTG AT GRID 6 TO REMAIN



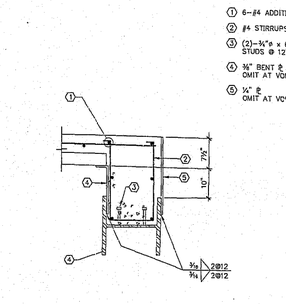
103/61 GRID LINE A @ GRID 6

ITEMS:
1. W33x130
2. 14–⅞"ø A325N BOLTS–SEE 8/60 AND 9/60 FOR BOLT SPACING
3. ℄ ¾"x24"x2'–0"
4. ℄ ¾"x8"x2'–0"
5. TOTAL OF 16–1"ø HILTI HVA ADHESIVE CONCRETE EXPANSION ANCHORS WITH A325 THREADED ROD "Y 8¼" MIN EMBEDMENT ANCHORS @ 6" MIN EA DIRECTION–SEE 98/61 FOR ANCHOR SPACING.
6. ℄ ¾x8"/12"x2'–3"

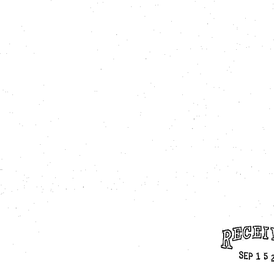


104/61 GRID LINE A @ GRID 7 & 8

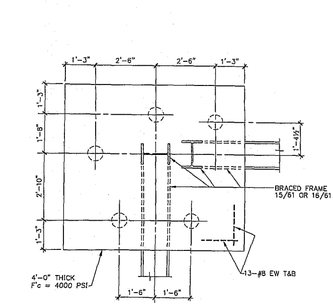
ITEMS:
1. W30x108
2. 14–⅞"ø A325N BOLTS–SEE 8/60 AND 9/60 FOR BOLT SPACING
3. ℄ ¾"x24"x2'–0"
4. ℄ ¾"x8"x2'–0"
5. TOTAL OF 16–1"ø HILTI HVA ADHESIVE CONCRETE EXPANSION ANCHORS WITH A325 THREADED ROD "Y 8¼" MIN EMBEDMENT ANCHORS @ 6" MIN EA DIRECTION–SEE 98/61 FOR ANCHOR SPACING.
6. ℄ ¾x8"/12"x2'–3"



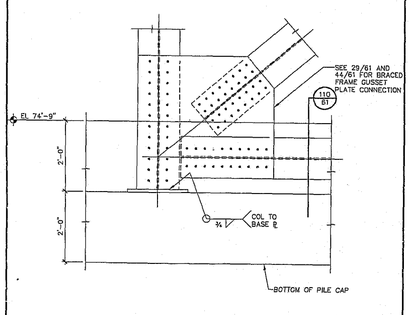
105/61 GRID LINE A @ GRID 9



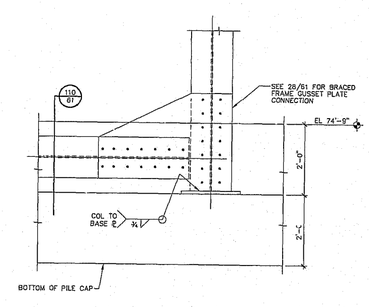
106/61 5 PILE PILECAP



107/61 5 PILE PILECAP

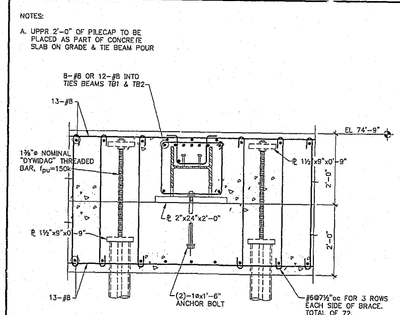


108/61 5 PILE PILECAP



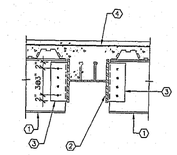
109/61 5 PILE PILECAP

NOTES:
A. UPPR 2'–0" OF PILECAP TO BE PLACED AS PART OF CONCRETE SLAB ON GRADE & TIE BEAM POUR



110/61 BRACE ANCHORAGE SECTION

ITEMS:
1. W18x35
2. W14x90
3. SEE 8/60 & 9/60 FOR BEAM CONNECTIONS
4. ADDITIONAL 2–#6x10'–0" AT CANTILEVER BEAMS



111/61 SECTION

112/61 SECTION

113/61 SECTION

114/61 SECTION

115/61 SECTION

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Revision	Date	No.

"ACME - ACME" STADIUM

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1844 Morrison St.
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Facsimile: 604.233.0965

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R. Richard White
SEP 13 2000

EB Architects

605 West 47th Street
Kansas City, MO 64112-1905
816 561 4443

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SECTIONS AND DETAILS

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Date 23 JUNE 2000 Comm. No. 9990.0001.00
In Charge BRW PHASE 10
Drawn By ADC
Checked By BRW

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