

GENERAL NOTES

1. GENERAL CONTRACTOR SHALL VISIT THE SITE, REVIEW THE BUILDING SHELL DRAWINGS AS SUBMITTED BY THE LANDLORD OR STARBUCKS SITE SURVEYOR, AND BECOME THOROUGHLY FAMILIAR WITH THE SITE CONDITIONS PRIOR TO BIDDING OR CONSTRUCTION.
2. GENERAL CONTRACTOR SHALL CONSULT WITH STARBUCKS CONSTRUCTION MANAGER TO RESOLVE ANY CHANGES, OMISSIONS, OR PLAN DISCREPANCIES PRIOR TO BIDDING OR CONSTRUCTION.
3. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH LOCAL, COUNTY, STATE, AND FEDERAL CODES AND ORDINANCES.
4. GENERAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES.
5. GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS, INCLUDING CLEARANCES REQUIRED BY OTHER TRADES, AND NOTIFY STARBUCKS CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK. ALL DIMENSIONS ARE TO THE FACE OF THE FINISHED SURFACE UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO BE TAKEN FROM DESIGNATED DATUM POINT. DO NOT SCALE DRAWINGS.
6. GENERAL CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS, FLOORS, CEILINGS, OR OTHER SURFACES IDENTIFIED TO REMAIN THAT MAY BECOME DAMAGED DURING THE COURSE OF THE WORK.
7. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMITS FOR FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL SYSTEMS PRIOR TO INSTALLATION OF SUCH SYSTEMS.
8. GENERAL CONTRACTOR SHALL RETAIN ONE SET OF THE PLANS TO NOTE AND DOCUMENT ALL CHANGES DURING CONSTRUCTION. THIS SET SHALL BE A PART OF THE GENERAL CONTRACTOR'S "STORE CLOSE-OUT PACKAGE" AS DESCRIBED IN THE CONSTRUCTION MANAGEMENT AGREEMENT.
9. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING DELIVERY OF MATERIALS FROM STARBUCKS CONTRACTED THIRD PARTY LOGISTICS DISTRIBUTION SERVICES AND VENDOR DIRECT SHIPMENTS. REFER TO CONSTRUCTION MANAGEMENT AGREEMENT FOR METHODS AND LEAD TIMES.
10. RESPONSIBILITY FOR SUPPLY AND DELIVERY OF MATERIALS AND EQUIPMENT IS IDENTIFIED IN THE DRAWING SCHEDULE SHEETS UNDER THE COLUMN LABELED "RESPONSIBILITY".
11. FOR THE PURPOSE OF THE DOCUMENTS, TO "INSTALL," SHALL MEAN TO PROVIDE ALL FASTENERS, MISCELLANEOUS HARDWARE, BLOCKING, ELECTRICAL CONNECTIONS, PLUMBING CONNECTIONS, AND OTHER ITEMS REQUIRED FOR A COMPLETE AND OPERATION INSTALLATION, UNLESS OTHERWISE NOTED.
12. ALL ITEM SUBSTITUTIONS MUST BE APPROVED BY THE STARBUCKS DESIGN MANAGER.
13. REFER TO ITEM CUTSHEETS FOR ADDITIONAL INFORMATION.

SITE AND OCCUPANCY

PROJECT DESCRIPTION:	Commercial tenant improvements to existing building		
BUILDING HEIGHT:	14' - 31/2"		
BUILDING AREA:	3769 SF		
BUILDING USE:	COMMERCIAL		
ZONING:	C9D(A)		
TYPE OF USE:	COFFEE SHOP		
TYPE OF OCCUPANCY:	A-2, ASSEMBLY		
OCCUPANCY LOAD:	RETAIL:	113 SF / 30 =	3
	SEATING:	826 SF / 15 =	55
	BEVERAGE/PREP:	256 SF / 200 =	2
	WORKROOM/STORAGE:	204 SF / 300 =	1
	TOTAL OCCUPANCY =		61
TOTAL SQUARE FOOTAGE:	1399 SF		
TOTAL INTERIOR SEATS:	36 INTERIOR SEATS		
EXTERIOR SEASONAL SEATING:	21		
EXIT CAPACITY:	EXIT 1: 72" WIDE		
	EXIT 2: 72" WIDE		
	EXIT 3: 72" WIDE		
	TOTAL EXIT WIDTH PROVIDED:	216 in	
	61 < 216 THEREFORE COMPLIES		
TRAVEL DISTANCE:	ALLOWED TRAVEL DISTANCE: 200'-0" ACTUAL TRAVEL DISTANCE: 72'-3"		
NUMBER OF EXITS:	MIN. NUMBER OF EXITS REQUIRED: 2 NUMBER OF EXITS PROVIDED: 3		

SCOPE OF WORK: INTERIOR RENOVATION OF EXISTING COFFEE SHOP

INDEX OF SHEETS

Sheet	Sheet Title
GENERAL	
G-0001	GENERAL INFORMATION
G-0002	LIFE SAFETY PLAN
G-0003	SCOPE OF WORK PLAN
G-0010	DESIGN SPECIFICATIONS
G-0011	DESIGN SPECIFICATIONS
G-0012	DESIGN SPECIFICATIONS
ARCHITECTURAL	
A-1001	ARCHITECTURAL SITE PLAN
A-2001	EXTERIOR ELEVATIONS
INTERIORS	
I-1101	DEMOLITION FLOOR PLAN
I-1102	DEMOLITION CEILING PLAN
I-1103	FLOOR PLAN
I-1104	PENETRATION PLAN
I-1105	FF AND E PLAN
I-1107	CASEWORK PLAN
I-1108	REFLECTED CEILING PLAN
I-1109	FLOOR FINISH PLAN
I-1110	WALL FINISH PLAN
I-2101	INTERIOR ELEVATIONS
I-2102	INTERIOR ELEVATIONS
I-2103	INTERIOR ELEVATIONS
I-4101	ENLARGED BAR PLANS
I-5001	CONSTRUCTION DETAILS
I-5003	WORKROOM DETAILS
I-5007	CASEWORK DETAILS
I-5008	CASEWORK DETAILS
I-6001	SCHEDULES
I-6002	SCHEDULES
PLUMBING	
P-0001	PLUMBING SPECIFICATIONS
P-1101	PLUMBING SUPPLY PLAN
P-1102	PLUMBING WASTE / DRAIN PLAN
P-5001	PLUMBING DETAILS & SANITARY ISOMETRIC
ELECTRICAL	
E-0001	ELECTRICAL SPECIFICATIONS
E-501	ELECTRICAL DETAILS
E-1101	ELECTRICAL POWER PLAN
E-1102	LIGHTING PLAN

APPLICABLE BUILDING CODES

BUILDING CODE	2008 IBC W/WISCONSIN COMMERCIAL BUILDING CODE AMENDMENTS - CH. COMM 62.
PLUMBING CODE	2009 IBC W/WISCONSIN COMMERCIAL BUILDING CODE AMENDMENTS - CH. COMM 61-64.
ELECTRICAL CODE	2008 ICC ELECTRICAL CODE W/WISCONSIN COMMERCIAL BUILDING CODE AMENDMENTS - CH. COMM 16.
MECHANICAL CODE	2009 IMC W/WISCONSIN COMMERCIAL BUILDING CODE AMENDMENTS - CH. COMM 64.
ENERGY CODE	IECC 2009 (WI COMMERCIAL BUILDING CODE, CHAPTER 63)
FIRE PROTECTION	2009 NFPA-1 (WI COMMERCIAL BUILDING CODE, CHAPTERS 14 & 30)
ACCESSIBILITY	ICC/ANSI STANDARD A117.1-2003
OTHER:	IFGC 2009 (WI COMMERCIAL BUILDING CODE, CHAPTER 65)

CODE CLASSIFICATION	
A. OCCUPANCY GROUP:	A2-ASSEMBLY
B. CONSTRUCTION CALSSIFICATION TYPE:	EXISTING III-B
C. AUTOMATIC FIRE SUPPRESSION SYSTEM INSTALLED:	NO
D. ZONING:	B1-2

PROJECT CONTACTS

DESIGN MANAGER:	STEPHENIE RYCHLIK STARBUCKS COFFEE COMPANY 564 W. RANDOLPH ST., 3RD FLOOR CHICAGO, IL 60661 (312) 380-8906 EXT. 2331 OFFICE (312) 502-6198 CELL SCHAMPIO@STARBUCKS.COM
CONSTRUCTION MANAGER:	BRIAN GARVER STARBUCKS COFFEE COMPANY 564 W. RANDOLPH ST., 3RD FLOOR CHICAGO, IL 60661 (312) 775-6507 EXT. 2219 OFFICE (219) 712-6590 CELL BGARVER@STARBUCKS.COM
LANDLORD:	MILWAUKEE COUNTY PARKS SUZANNE CARTER 9480 WATERTOWN PLANK ROAD WAUWATOSA, WI 53226 (414) 257-8017 PHONE (414) 257-6466 FAX
ARCHITECT OF RECORD:	NORR ILLINOIS INC. 325 N. LASALLE STREET, SUITE 700 CHICAGO, IL 60654 (312) 424-2400 PHONE (312) 424-2424 FAX
MEP CONSULTANT OF RECORD:	ALKEMEYER AND ASSOCIATES 335 MARSHALL AVENUE, SUITE 100 ST. LOUIS, MO 63119 (314) 772-1782 PHONE (314) 772-0109 FAX

VICINITY PLAN



ARCHITECTURAL SYMBOL LEGEND

	NORTH ARROW		PAINT TAG
	EXTERIOR ELEVATION		DESIGN ID TAG
	INTERIOR ELEVATION		DOOR/WINDOW TAG
	SECTION CALLOUT	X'-XX" AFF	ABOVE FINISHED FLOOR HEIGHT TAG (IMPERIAL)
	DETAIL CALLOUT	XXXX AFF	ABOVE FINISHED FLOOR HEIGHT TAG (METRIC)
	REVISION TAG	X' XX"	DIMENSION LINE FROM FINISH FACE TO FINISH FACE
	DATUM POINT		REVISION CLOUD



STARBUCKS COFFEE COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD  
**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD  
  
William J. Alkemeyer, P.E.  
353 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108  
Engineering Consultant

Revision Schedule			
Rev	Date	By	Description
1	10.17.13		Revision 1

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #:	2678
PROJECT #:	14516-022
CONCEPT:	NCS
PALETTE:	HERITAGE
ISSUE DATE:	10.17.13
DESIGN MANAGER:	S. RYCHLIK
LEED® AP:	N/A
PRODUCTION DESIGNER:	C. ALINOVICH, NORR
CHECKED BY:	K. GORIN, NORR

SHEET TITLE:  
**GENERAL INFORMATION**

SCALE: As indicated

SHEET NUMBER:  
**G-0001**

ABBREVIATIONS

- 3PL

THIRD PARTY LOGISTICS
- A/C

AIR CONDITIONING
- ACT

ACOUSTICAL CEILING TILE
- ADJ

ADJUSTABLE
- AFF

ABOVE FINISHED FLOOR
- AMP

AMPERE
- ARCH

ARCHITECT
- BOH

BACK OF HOUSE
- CAB

CABINET
- CL

CENTER LINE
- CLG

CEILING
- CM

CONSTRUCTION MANAGER
- CTR

CENTER
- CX

COMMISSIONING
- CXA

COMMISSIONING AGENT
- DEG

DEGREE
- DET

DETAIL
- DIA

DIAMETER
- DIM

DIMENSION
- DM

DESIGN MANAGER
- DN

DOWN
- EA

EACH
- EEL

ELEVATION
- EQ

EQUAL
- EXIST

EXISTING
- EXT

EXTERIOR
- FF&E

"FURNITURE, FIXTURE, AND EQUIPMENT"
- FIO

FURNISHED AND INSTALLED BY OWNER
- FLR

FLOOR
- FOH

FRONT OF HOUSE
- FT

FOOT/FEET
- G

GROUND
- GC

GENERAL CONTRACTOR
- HC

HOLLOW CORE
- HDW

HARDWARE
- HM

HOLLOW METAL
- HORIZ

HORIZONTAL
- HR

HOUR
- HT

HEIGHT
- HVAC

"HEATING, VENTILATING, AND AIR CONDITIONING"
- ID

INSIDE DIAMETER
- LL

LANDLORD
- MAX

MAXIMUM
- MEP

"MECHANICAL, ELECTRICAL, AND PLUMBING"
- MFR

MANUFACTURER
- MIN

MINIMUM
- NIC

NOT IN CONTRACT
- NL

NIGHT LIGHT
- NTS

NOT TO SCALE
- OC

ON CENTER
- OD

OUTSIDE DIAMETER
- OF/CI

OWNER FURNISHED/CONTRACTOR INSTALLED
- OF/OI

OWNER FURNISHED/OWNER INSTALLED
- PD

PRODUCTION DESIGNER
- PLC

PLACE
- PM

PROJECT MANAGER
- R

RADIUS
- RCM

RENOVATIONS CONSTRUCTION MANAGER
- REF

REFERENCE
- REQ(D)

REQUIRE(D)
- REV

REVISION
- RND

ROUND
- SB

STARBUCKS
- SC

SOLID CORE
- SF

SQUARE FEET
- SHT

SHEET
- SIM

SIMILAR
- SPEC

SPECIFICATION
- SQ

SQUARE
- TEMP

TEMPORARY
- TYP

TYPICAL
- UON

UNLESS OTHERWISE NOTED
- VD

VENDOR DIRECT
- VERT

VERTICAL
- VIF

VERIFY IN FIELD

LEGEND:

- Travel Distance
- Exit Light  
(See Reflected Ceiling Plan)
- Wall Mounted Emergency Light  
(See Reflected Ceiling Plan)
- Clear Floor Space for Accessibility

FLAME SPREAD RATING:

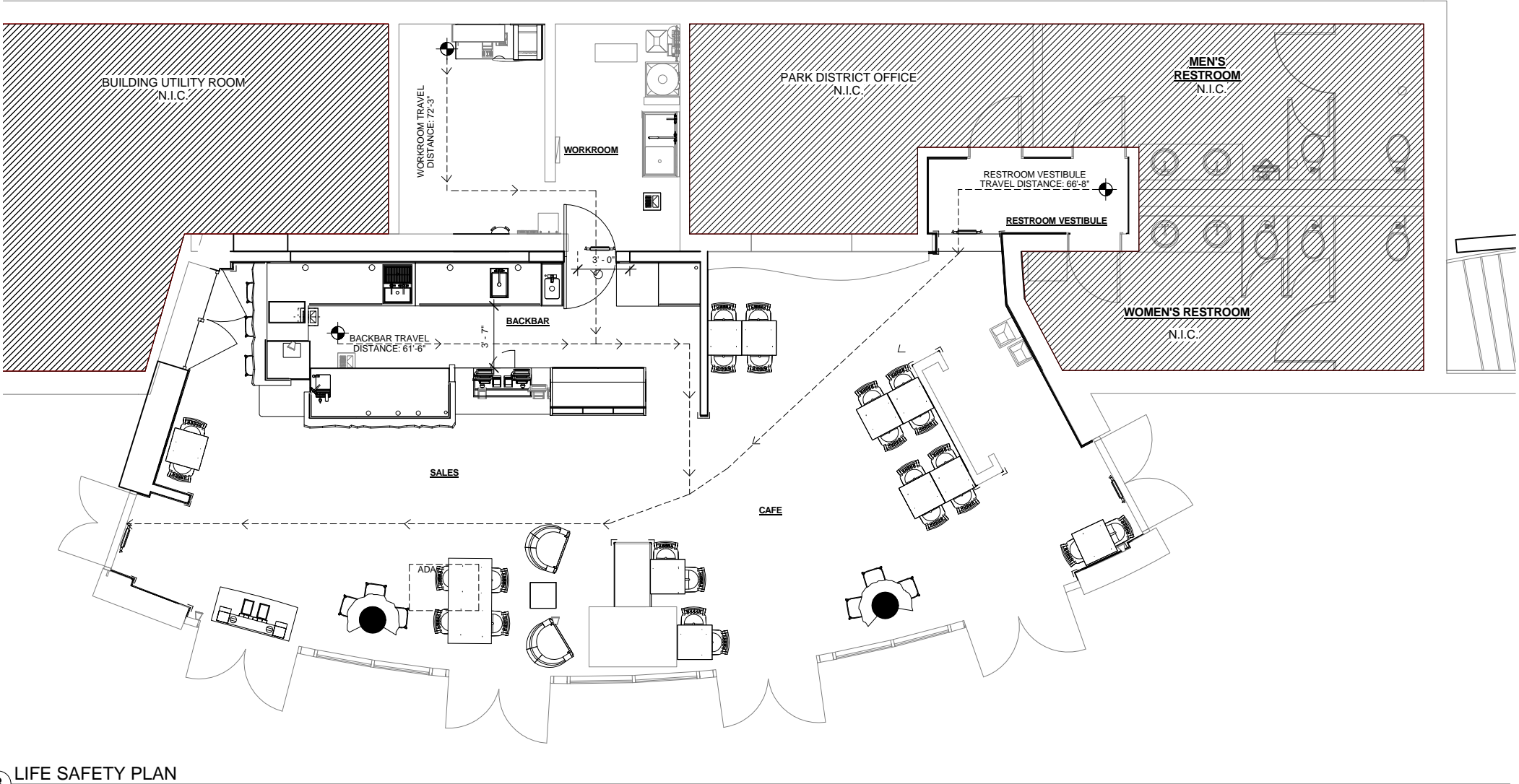
Flame spread rating for all proposed interior finishes shall comply with local building code.

INTERIOR FINISH NOTES:

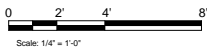
1.

Interior wall and ceiling finish materials shall be Class C with a flame spread rating less than 200 and smoke developed less than 450.
2.

Floor Coverings in the exit path of all common areas shall meet Class A requirements.



3 LIFE SAFETY PLAN  
Scale: 1/4" = 1'-0"



STARBUCKS COFFEE  
COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS

325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD



William J. Alkemeyer, P.E.  
353 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108

Engineering Consultant

Revision Schedule

Rev	Date	By	Description
1	10.17.13		Revision 1

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

SHEET TITLE:

**LIFE SAFETY PLAN**

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

SHEET NUMBER:

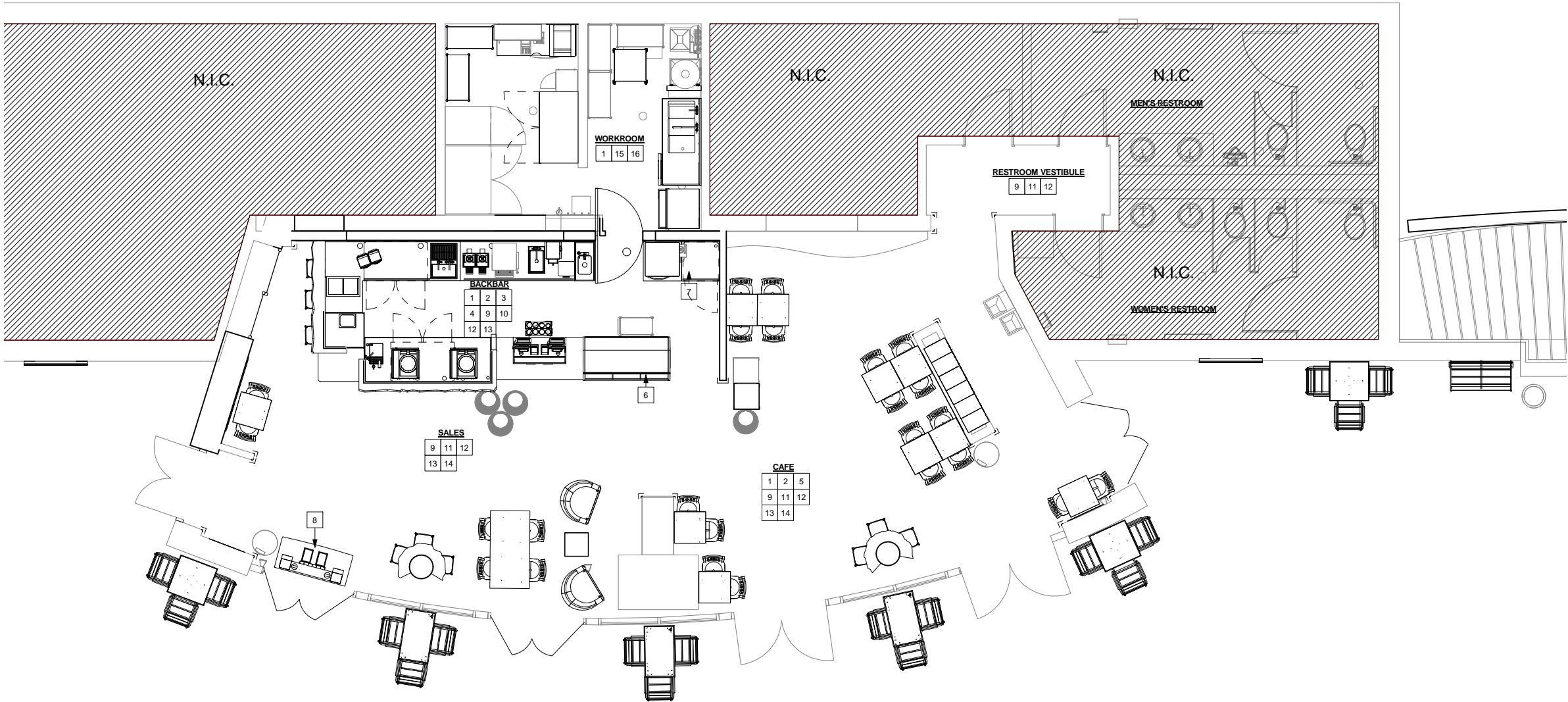
G-0002



10/17/2013 11:35:07 AM Y:\WI - Red Arrow - Water & State\drawings\arch\Red Arrow\_Casework Rev. 2013 10 15.rvt

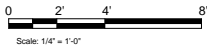
1 SCOPE OF WORK

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



SCOPE OF WORK SUMMARY

1. DEMOLISH OR REMOVE EXISTING ITEMS AS INDICATED ON DEMOLITION PLAN.
2. INSTALL NEW CASEWORK ITEMS AS INDICATED ON CASEWORK PLAN.
3. INSTALL NEW AND RELOCATE EXISTING EQUIPMENT AS INDICATED ON FF&E PLAN.
4. INSTALL NEW UPPER CUBBIES AS INDICATED ON CASEWORK PLAN.
5. INSTALL NEW FURNITURE AS INDICATED ON FF&E PLAN.
6. INSTALL NEW PASTRY CASE AS INDICATED ON FF&E PLAN.
7. INSTALL NEW WARMING STATION AS INDICATED ON FF&E PLAN.
8. INSTALL NEW CONDIMENT CART AS INDICATED ON CASEWORK PLAN.
9. INSTALL NEW FLOORING AS INDICATED ON FLOOR FINISH PLAN.
10. INSTALL NEW TILE AT BACKBAR. SEE INTERIOR ELEVATIONS FOR CLARIFICATION.
11. INSTALL NEW WALL COVERING AND CHAIR RAIL AS INDICATED. SEE INTERIOR ELEVATIONS FOR CLARIFICATION.
12. PATCH, PRIME, AND PAINT WALLS, CEILINGS, AND/OR SOFFITS AS INDICATED ON REFLECTED CEILING PLAN AND INTERIOR ELEVATION SHEETS.
13. INSTALL NEW LIGHTING AS INDICATED ON REFLECTED CEILING PLAN.
14. INSTALL NEW ART AND GRAPHICS AS INDICATED ON INTERIOR ELEVATIONS.
15. RELOCATE EXISTING EQUIPMENT IN WORKROOM AS REQUIRED.
16. INSTALL NEW WALLS AND DOORS AS INDICATED.



STARBUCKS COFFEE  
COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD



William J. Alkemeyer, P.E.  
353 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108

Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

SHEET TITLE:  
**SCOPE OF WORK PLAN**

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

SHEET NUMBER:  
**G-0003**

Y:\W1 - Red Arrow - Water & State\drawings\arch\Red Arrow\_Casework Rev.2013 10 15.rvt 10/17/2013 11:35:07 AM

GENERAL CONDITIONS

<b>SECTION 014200 - REFERENCES</b>	
1.1	PART 1 - GENERAL
A.	INDUSTRY STANDARDS
B.	APPLICABILITY OF STANDARDS: UNLESS THE CONTRACT DOCUMENTS INCLUDE MORE STRINGENT REQUIREMENTS, APPLICABLE CONSTRUCTION INDUSTRY STANDARDS HAVE THE SAME FORCE AND EFFECT AS IF BOUND OR COPIED DIRECTLY INTO THE CONTRACT DOCUMENTS TO THE EXTENT REFERENCED. SUCH STANDARDS ARE MADE A PART OF THE CONTRACT DOCUMENTS BY REFERENCE.
C.	PUBLICATION DATES: COMPLY WITH STANDARDS IN EFFECT AS OF DATE OF THE CONTRACT DOCUMENTS UNLESS OTHERWISE INDICATED.
D.	COPIES OF STANDARDS: EACH ENTITY ENGAGED IN CONSTRUCTION ON PROJECT SHOULD BE FAMILIAR WITH INDUSTRY STANDARDS APPLICABLE TO ITS CONSTRUCTION ACTIVITY. COPIES OF APPLICABLE STANDARDS ARE NOT BOUND WITH THE CONTRACT DOCUMENTS.
E.	WHERE COPIES OF STANDARDS ARE NEEDED TO PERFORM A REQUIRED CONSTRUCTION ACTIVITY, OBTAIN COPIES DIRECTLY FROM PUBLICATION SOURCE.
1.2	ABBREVIATIONS AND ACRONYMS
A.	INDUSTRY ORGANIZATIONS: WHERE ABBREVIATIONS AND ACRONYMS ARE USED IN SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THEY SHALL MEAN THE RECOGNIZED NAME OF THE ENTITIES IN THE FOLLOWING LIST.
ACI	AMERICAN CONCRETE INSTITUTE
AHA	AMERICAN HARDBOARD ASSOCIATION
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	APA - THE ENGINEERED WOOD ASSOCIATION
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS
ASTM	ASTM INTERNATIONAL (AMERICAN SOCIETY FOR TESTING AND MATERIALS INTERNATIONAL)
AWI	ARCHITECTURAL WOODWORK INSTITUTE
AWPA	AMERICAN WOOD PROTECTION ASSOCIATION (FORMERLY: AMERICAN WOOD PRESERVERS' ASSOCIATION)
CRI	CARPET AND RUG INSTITUTE (THE)
CRRC	COOL ROOF RATING COUNCIL
CSA	CANADIAN STANDARDS ASSOCIATION
CSA	CSA INTERNATIONAL (FORMERLY: IAS - INTERNATIONAL APPROVAL SERVICES)
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE (THE)
ETL SEMCO	INTERTEK ETL SEMCO (FORMERLY: ITS - INTERTEK TESTING SERVICE NA)
FM GLOBAL	FM GLOBAL (FORMERLY: FMG - FM GLOBAL)
FSC	FOREST STEWARDSHIP COUNCIL
HPVA	HARDWOOD PLYWOOD & VENEER ASSOCIATION
ISO	INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
ITS	INTERTEK TESTING SERVICE NA (NOW ETL SEMCO)
MFMA	MAPLE FLOORING MANUFACTURERS ASSOCIATION, INC.
MPI	MASTERS PAINTERS INSTITUTE
NFPA	NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)
NOFMA	NOFMA: THE WOOD FLOORING MANUFACTURERS ASSOCIATION (FORMERLY: NATIONAL OAK FLOORING MANUFACTURERS ASSOCIATION)
OPI	INTERTEK
SDI	STEEL DOOR INSTITUTE
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
UL	UNDERWRITERS LABORATORIES INC.
USGBC	U.S. GREEN BUILDING COUNCIL
WCLIB	WEST COAST LUMBER INSPECTION BUREAU
WI	WOODWORK INSTITUTE (FORMERLY: WIIC - WOODWORK INSTITUTE OF CALIFORNIA)
B.	CODE AGENCIES: WHERE ABBREVIATIONS AND ACRONYMS ARE USED IN SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THEY SHALL MEAN THE RECOGNIZED NAME OF THE ENTITIES IN THE FOLLOWING LIST.
DIN	DEUTSCHES INSTITUT FÜR NORMUNG E.V.
ICC	INTERNATIONAL CODE COUNCIL
ICC-ES	ICC EVALUATION SERVICE, INC.
C.	FEDERAL GOVERNMENT AGENCIES: WHERE ABBREVIATIONS AND ACRONYMS ARE USED IN SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THEY SHALL MEAN THE RECOGNIZED NAME OF THE ENTITIES IN THE FOLLOWING LIST.
EPA	ENVIRONMENTAL PROTECTION AGENCY
D.	STANDARDS AND REGULATIONS: WHERE ABBREVIATIONS AND ACRONYMS ARE USED IN SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THEY SHALL MEAN THE RECOGNIZED NAME OF THE STANDARDS AND REGULATIONS IN THE FOLLOWING LIST.
ADAAG	AMERICANS WITH DISABILITIES ACT (ADA) ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES AVAILABLE FROM U.S. ACCESS BOARD
CFR	CODE OF FEDERAL REGULATIONS AVAILABLE FROM GOVERNMENT PRINTING OFFICE
E.	STATE GOVERNMENT AGENCIES: WHERE ABBREVIATIONS AND ACRONYMS ARE USED IN SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THEY SHALL MEAN THE RECOGNIZED NAME OF THE ENTITIES IN THE FOLLOWING LIST.
CDHS	CALIFORNIA DEPARTMENT OF HEALTH SERVICES
CDPH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, INDOOR AIR QUALITY SECTION
<b>END OF SECTION 014200</b>	
<b>SECTION 019113 - GENERAL COMMISSIONING REQUIREMENTS</b>	
1.1	SUMMARY
A.	COMMISSIONING TEAM:
1.	MEMBERS REPRESENTING CONTRACTOR, INCLUDING PROJECT SUPERINTENDENT AND SUBCONTRACTORS, INSTALLERS, SUPPLIERS, AND SPECIALISTS.
2.	MEMBERS REPRESENTING OWNER, INCLUDING COMMISSIONING AGENT (CXA), FACILITY USER AND OPERATION AND MAINTENANCE PERSONNEL, AND ARCHITECT AND ENGINEERING DESIGN PROFESSIONALS.
B.	CONTRACTOR'S RESPONSIBILITIES: CONTRACTOR SHALL ASSIGN REPRESENTATIVES WITH EXPERTISE AND AUTHORITY TO ACT ON ITS BEHALF AND SHALL SCHEDULE THEM TO PARTICIPATE IN AND PERFORM COMMISSIONING PROCESS ACTIVITIES INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
1.	INTEGRATE AND COORDINATE COMMISSIONING PROCESS ACTIVITIES WITH CONSTRUCTION SCHEDULE.
2.	REVIEW AND ACCEPT COMMISSIONING CHECKLISTS AND PROCESS TEST PROCEDURES PROVIDED BY THE COMMISSIONING AGENT (CXA).
3.	SUPPORT COMMISSIONING INSTALLATION REVIEW AND PROCESS TEST PROCEDURES.
4.	EVALUATE INSTALLATION AND PERFORMANCE DEFICIENCIES IDENTIFIED IN REPORTS AND, IN COLLABORATION WITH ENTITY RESPONSIBLE FOR SYSTEM AND EQUIPMENT INSTALLATION, RECOMMEND CORRECTIVE ACTION.
5.	COOPERATE WITH THE COMMISSIONING TEAM FOR RESOLUTION OF ISSUES RECORDED IN THE ISSUES LOG.
C.	COMMISSIONING AGENT'S (CXA'S) RESPONSIBILITIES:
1.	ORGANIZE AND LEAD COMMISSIONING TEAM.
2.	PROVIDE AND MANAGE COMMISSIONING PLAN.
3.	PROVIDE PROJECT-SPECIFIC CHECKLISTS AND TEST PROCEDURES.
4.	WITNESS, PREPARE AND MAINTAIN COMPLETED INSTALLATION VERIFICATION CHECKLISTS.
5.	WITNESS SYSTEMS, ASSEMBLIES, EQUIPMENT, AND COMPONENT STARTUP.
6.	WITNESS, PREPARE, AND MAINTAIN COMPLETED FUNCTIONAL TESTING CHECKLISTS.
7.	PREPARE AND MAINTAIN THE ISSUES LOG.
8.	COMPILE COMMISSIONING DOCUMENTS, RESULTS, AND DEFICIENCIES; INCLUDE THEM IN THE SYSTEMS MANUAL AND COMMISSIONING SUMMARY REPORT.
9.	REVIEW COMMISSIONING REPORT WITH COMMISSIONING TEAM AND IMPLEMENT PLAN TO RESOLVE DEFICIENCIES. <b>END OF SECTION 019113</b>

GENERAL CONDITIONS (CONTINUED)

<b>SECTION 017419 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL</b>	
1.1	SUMMARY
A.	SALVAGING NONHAZARDOUS DEMOLITION AND CONSTRUCTION WASTE.
B.	RECYCLING NONHAZARDOUS DEMOLITION AND CONSTRUCTION WASTE.
C.	DISPOSING OF NONHAZARDOUS DEMOLITION AND CONSTRUCTION WASTE.
1.2	DEFINITIONS
A.	CONSTRUCTION WASTE: BUILDING AND SITE IMPROVEMENT MATERIALS AND OTHER SOLID WASTE RESULTING FROM CONSTRUCTION, REMODELING, RENOVATION, OR REPAIR OPERATIONS. CONSTRUCTION WASTE INCLUDES PACKAGING.
B.	DEMOLITION WASTE: BUILDING AND SITE IMPROVEMENT MATERIALS RESULTING FROM DEMOLITION OR SELECTIVE DEMOLITION OPERATIONS.
C.	DISPOSAL: REMOVAL OFF-SITE OF DEMOLITION AND CONSTRUCTION WASTE AND SUBSEQUENT SALE, RECYCLING, REUSE, OR DEPOSIT IN LANDFILL OR INCINERATOR ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
D.	RECYCLE: RECOVERY OF DEMOLITION OR CONSTRUCTION WASTE FOR SUBSEQUENT PROCESSING IN PREPARATION FOR REUSE.
E.	SALVAGE: RECOVERY OF DEMOLITION OR CONSTRUCTION WASTE AND SUBSEQUENT SALE OR REUSE IN ANOTHER FACILITY.
F.	SALVAGE AND REUSE: RECOVERY OF DEMOLITION OR CONSTRUCTION WASTE AND SUBSEQUENT INCORPORATION INTO THE WORK.
1.3	PERFORMANCE REQUIREMENTS
A.	END-OF-PROJECT RATES FOR SALVAGE/RECYCLING: <b>[75]</b> PERCENT.
1.4	ACTION SUBMITTALS
A.	WASTE MANAGEMENT PLAN: SUBMIT PLAN WITHIN 7 DAYS OF DATE ESTABLISHED FOR COMMENCEMENT OF THE WORK.
1.	TYPES AND QUANTITIES OF DEMOLITION AND CONSTRUCTION WASTE.
2.	TYPE OF WASTE AND WHETHER IT WILL BE SALVAGED, RECYCLED, OR DISPOSED OF IN LANDFILL OR INCINERATOR.
3.	NET ADDITIONAL COST OR NET SAVINGS RESULTING FROM WASTE MANAGEMENT PLAN.
1.5	INFORMATION SUBMITTALS
A.	WASTE REDUCTION PROGRESS REPORTS: CONCURRENT WITH EACH APPLICATION FOR PAYMENT, SUBMIT REPORT INDICATING TYPE OF WASTE AND WHETHER IT HAS BEEN SALVAGED, RECYCLED, OR DISPOSED OF IN LANDFILL OR INCINERATOR.
B.	WASTE DISPOSAL RECORDS: INDICATE RECEIPT AND ACCEPTANCE OF WASTE MATERIAL BY ACCEPTING AND PROCESSING FACILITIES LICENSED TO ACCEPT THEM. INCLUDE MANIFESTS, TYPE OF MATERIAL, WEIGHT OR VOLUME TICKETS, RECEIPTS, AND INVOICES.
C.	LEED SUBMITTAL: CWM REPORTING TEMPLATE, TABULATING TOTAL WASTE MATERIAL, QUANTITIES DIVERTED AND MEANS BY WHICH IT IS DIVERTED, AND STATEMENT THAT REQUIREMENTS FOR THE CREDIT HAVE BEEN MET.
1.6	RECYCLING WASTE
A.	RECYCLING INCENTIVES: REVENUES AND OTHER INCENTIVES FOR RECYCLING WILL ACCRUE TO OWNER.
<b>END OF SECTION 017419</b>	

EXISTING CONDITIONS

<b>SECTION 024119 - SELECTIVE DEMOLITION</b>	
1.1	SUMMARY
A.	DEMOLITION AND REMOVAL OF <b>[PORTIONS OF A BUILDING OR STRUCTURE]</b> <b>[SELECTED SITE ELEMENTS]</b> .
B.	HISTORIC ITEMS REMOVED AND SALVAGED FOR OWNER.
1.2	SUBMITTALS
A.	SCHEDULE OF SELECTIVE DEMOLITION ACTIVITIES: INDICATE THE FOLLOWING:
1.	DETAILED SEQUENCE OF SELECTIVE DEMOLITION AND REMOVAL WORK, WITH STARTING AND ENDING DATES FOR EACH ACTIVITY.
2.	ENSURE OWNER'S <b>[BUILDING MANAGER'S]</b> <b>[AND]</b> <b>[OTHER TENANTS']</b> ON-SITE OPERATIONS ARE UNINTERRUPTED.
3.	INTERRUPTION OF UTILITY SERVICES. INDICATE HOW LONG UTILITY SERVICES WILL BE INTERRUPTED.
4.	COORDINATION FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES.
5.	USE OF ELEVATOR AND STAIRS.
6.	COORDINATION OF OWNER'S CONTINUING OCCUPANCY OF PORTIONS OF EXISTING BUILDING AND OF OWNER'S PARTIAL OCCUPANCY OF COMPLETED WORK.
1.3	PROJECT CONDITIONS
A.	OWNER WILL <b>[NOT]</b> OCCUPY PORTIONS OF BUILDING IMMEDIATELY ADJACENT TO SELECTIVE DEMOLITION AREA.
B.	HAZARDOUS MATERIALS: UNKNOWN WHETHER HAZARDOUS MATERIALS WILL BE ENCOUNTERED. IF ENCOUNTERED, OWNER WILL REMOVE HAZARDOUS MATERIALS UNDER A SEPARATE CONTRACT.
1.5	EXECUTION
A.	UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS: MAINTAINED TO OCCUPIED FACILITIES.
1.	SHUT OFF: BY <b>[OWNER]</b> <b>[BUILDING MANAGER]</b> <b>[CONTRACTOR]</b> .
B.	SITE ACCESS AND TEMPORARY CONTROLS: MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
C.	TEMPORARY FACILITIES: PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN.
D.	TEMPORARY SHORINGS: PROVIDE AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN, AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED.
E.	REMOVED AND SALVAGED ITEMS: CLEANED, CRATED, STORED, AND TRANSPORTED TO OWNER'S <b>[OM]</b> SITE STORAGE AREA.
F.	REMOVED AND REINSTALLED ITEMS: CLEANED, REPAIRED, CRATED, STORED, AND REINSTALLED.
G.	EXISTING ITEMS TO REMAIN: EXISTING CONSTRUCTION PROTECTED AGAINST DAMAGE.
H.	DISPOSAL OF DEMOLISHED ITEMS:
1.	BURNING: NOT PERMITTED.
2.	DISPOSAL: COMPLY WITH REQUIREMENTS SECTION 017419 "CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL".
<b>END OF SECTION 024119</b>	

CONCRETE

<b>SECTION 033000 - CAST-IN-PLACE CONCRETE</b>	
1.1	SUMMARY
A.	CAST-IN-PLACE CONCRETE, INCLUDING FORMWORK, REINFORCEMENT, CONCRETE MATERIALS, MIXTURE DESIGN, PLACEMENT PROCEDURES, AND FINISHES, FOR THE FOLLOWING:
1.	FOOTINGS
2.	FOUNDATION WALLS.
3.	SLABS-ON-GRADE.
1.2	SUBMITTALS
A.	PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.
B.	SHOP DRAWINGS:
1.	REINFORCING: PLACING DRAWINGS THAT DETAIL FABRICATION, BENDING, AND PLACEMENT. INCLUDE BAR SIZES, LENGTHS, MATERIAL, GRADE, BAR SCHEDULES, STIRRUP SPACING, BENT BAR DIAGRAMS, BAR ARRANGEMENT, SPLICES AND LAPS, MECHANICAL CONNECTIONS, THE SPACING, HOOP SPACING, AND SUPPORTS FOR CONCRETE REINFORCEMENT.
2.	SLAB LAYOUTS: DIMENSION LOCATIONS OF CONTROL, EXPANSION, AND CONSTRUCTION JOINTS. RELATE TO BUILDING GRID LINES.
C.	DESIGN MIXTURES: FOR EACH CONCRETE MIXTURE, SUBMIT ALTERNATE DESIGN MIXTURES WHEN CHARACTERISTICS OF MATERIALS, PROJECT CONDITIONS, WEATHER, TEST RESULTS, OR OTHER CIRCUMSTANCES WARRANT ADJUSTMENTS.
1.	INDICATE AMOUNTS OF MIXING WATER TO BE WITHHELD FOR LATER ADDITION AT PROJECT SITE.
D.	CERTIFICATIONS: SUBMIT MILL CERTIFICATIONS FOR CEMENT, AGGREGATES, AND REINFORCING.
1.3	MATERIALS
A.	STEEL REINFORCEMENT:
1.	REINFORCING BARS: DEFORMED.
a.	MINIMUM RECYCLED CONTENT: 60%
2.	PLAIN-STEEL WELDED WIRE REINFORCEMENT: ASTM A 185, PLAIN, FABRICATED FROM AS-DRAWN STEEL WIRE INTO FLAT SHEETS.
B.	CONCRETE MATERIALS:
1.	PORTLAND CEMENT: ASTM C 150, TYPE I, GRAY, SUPPLEMENT WITH THE FOLLOWING:
a.	FLY ASH: ASTM C 618, CLASS F OR C.
b.	GROUND GRANULATED BLAST-FURNACE SLAG: ASTM C 989, GRADE 100 OR 120.
2.	AGGREGATE: NORMAL WEIGHT.
3.	WATER: ASTM C 94/C 94M.
4.	ADMIXTURES: PROVIDE ADMIXTURES CERTIFIED BY MANUFACTURER TO BE COMPATIBLE WITH OTHER ADMIXTURES AND THAT WILL NOT CONTRIBUTE WATER-SOLUBLE CHLORIDE IONS EXCEEDING THOSE PERMITTED IN HARDENED CONCRETE. DO NOT USE CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORIDE.
a.	AIR-ENTRAIMENT: ASTM C 260.
b.	WATER-REDUCING ADMIXTURE: ASTM C 494/C 494M, TYPE A.
c.	HIGH-RANGE, WATER-REDUCING ADMIXTURE: ASTM C 494/C 494M, TYPE F.
C.	WATERSTOPS: FLEXIBLE RUBBER.
D.	PLASTIC VAPOR RETARDER: ASTM E 1745, CLASS A. INCLUDE MANUFACTURER'S RECOMMENDED ADHESIVE OR PRESSURE-SENSITIVE JOINT TAPE.
E.	CURING MATERIALS: WATERBORNE, MONOMOLECULAR FILM FORMING, MANUFACTURED FOR APPLICATION TO FRESH CONCRETE.
F.	RELATED MATERIALS:
1.	EXPANSION- AND ISOLATION-JOINT-FILLER STRIPS ASTM D 1751, ASPHALT-SATURATED CELLULOSIC FIBER OR ASTM D 1752, CORK OR SELF-EXPANDING CORK.
2.	BONDING AGENT: ASTM C 1059/C 1059M, TYPE II, NON-REDISPERSIBLE, ACRYLIC EMULSION OR STYRENE BUTADIENE.
3.	NON-SHRINK GROUTS: ASTM C 1107, GRADE B; NON-SHRINK NON-CATALYZED NATURAL AGGREGATE GROUT; MINIMUM COMPRESSIVE STRENGTH OF 7000 PSI AT 28 DAYS; 25 TO 30 SECOND FLOW WHEN TESTED IN ACCORDANCE WITH ASTM C 839 AT 45 TO 90 DEGREES F; CEMENT GRAY IN COLOR.
4.	FORM RELEASE COATING: WATER BASED TYPE; VOC <150G/I; NOX-CRETE® UTILITY RELEASE, CRESSET CHEMICAL COMPANY CRETE 20 VOC,® OR APPROVED; NON STAINING.
G.	REPAIR MATERIALS:
1.	REPAIR UNDERLAYMENT: CEMENT-BASED, POLYMER-MODIFIED, SELF-LEVELING PRODUCT THAT CAN BE APPLIED IN THICKNESSES FROM 1/8 INCH (3.2 MM) AND THAT CAN BE FEATHERED AT EDGES TO MATCH ADJACENT FLOOR ELEVATIONS.
a.	CEMENT BINDER: ASTM C 150, PORTLAND CEMENT OR HYDRAULIC OR BLENDED HYDRAULIC CEMENT AS DEFINED IN ASTM C 219.
b.	PRIMER: PRODUCT OF UNDERLAYMENT MANUFACTURER RECOMMENDED FOR SUBSTRATE, CONDITIONS, AND APPLICATION.
c.	AGGREGATE: WELL-GRADED, WASHED GRAVEL, 1/8 TO 1/4 INCH (3.2 TO 6 MM) OR COARSE SAND AS RECOMMENDED BY UNDERLAYMENT MANUFACTURER.
d.	COMPRESSIVE STRENGTH: NOT LESS THAN 4100 PSI (28 MPa) AT 28 DAYS WHEN TESTED ACCORDING TO ASTM C 109/C 109M.
2.	REPAIR OVERLAYMENT: CEMENT-BASED, POLYMER-MODIFIED, SELF-LEVELING PRODUCT HAT CAN BE APPLIED IN THICKNESSES FROM 1/8 INCH (3.2 MM) AND THAT CAN BE FEATHERED AT EDGES TO MATCH ADJACENT FLOOR ELEVATIONS.
a.	CEMENT BINDER: ASTM C 150, PORTLAND CEMENT OR HYDRAULIC OR BLENDED HYDRAULIC CEMENT AS DEFINED IN ASTM C 219.
b.	PRIMER: PRODUCT OF TOPPING MANUFACTURER RECOMMENDED FOR SUBSTRATE, CONDITIONS, AND APPLICATION.
c.	AGGREGATE: WELL-GRADED, WASHED GRAVEL, 1/8 TO 1/4 INCH (3.2 TO 6 MM) OR COARSE SAND AS RECOMMENDED BY TOPPING MANUFACTURER.
d.	COMPRESSIVE STRENGTH: NOT LESS THAN 5000 PSI (34.5 MPa) AT 28 DAYS WHEN TESTED ACCORDING TO ASTM C 109/C 109M.
1.4	INSTALLATION
A.	FLOOR AND SLAB FINISHES:
1.	FLOAT: SURFACES TO RECEIVE TROWEL FINISH.
2.	TROWEL: SURFACES EXPOSED TO VIEW, AND SURFACES TO BE COVERED WITH RESILIENT FLOORING, CARPET, CERAMIC OR QUARRY TILE SET OVER A CLEAVAGE MEMBRANE, PAINT, OR ANOTHER THIN-FILM-FINISH COATING SYSTEM.
3.	TROWEL AND FINE BROOM: SURFACES TO BE COVERED WITH CERAMIC OR QUARRY TILE INSTALLED BY EITHER THICKSET OR THIN-SET METHOD.
4.	BROOM: EXTERIOR CONCRETE PLATFORMS, STEPS, AND RAMPS.
1.5	FIELD QUALITY CONTROL
A.	TESTING: BY <b>[CONTRACTOR]</b> -ENGAGED AGENCY.
B.	INSPECTIONS: BY OWNER-ENGAGED SPECIAL INSPECTOR.
<b>END OF SECTION 033000</b>	

CONCRETE (CONTINUED)


<b>SECTION 033500 - CONCRETE FINISHING</b>	
1.1	SUBMITTALS
A.	QUALIFICATION DATA: FOR QUALIFIED APPLICATOR.
B.	MATERIAL CERTIFICATES.
1.2	FLOOR AND SLAB TREATMENTS
A.	VOC CONTENT: FLOOR TREATMENTS SHALL HAVE A VOC CONTENT OF 200 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).
B.	UNPIGMENTED MINERAL DRY-SHAKE FLOOR HARDENER: FACTORY-PACKAGED DRY COMBINATION OF PORTLAND CEMENT, GRADED QUARTZ AGGREGATE, AND PLASTICIZING ADMIXTURE.
C.	PIGMENTED MINERAL DRY-SHAKE FLOOR HARDENER: FACTORY-PACKAGED, DRY COMBINATION OF PORTLAND CEMENT, GRADED QUARTZ AGGREGATE, COLOR PIGMENTS, AND PLASTICIZING ADMIXTURE. USE COLOR PIGMENTS THAT ARE FINELY GROUND, NONFADING MINERAL OXIDES INTERGROUND WITH CEMENT.
1.3	LIQUID FLOOR TREATMENTS
A.	VOC CONTENT: LIQUID FLOOR TREATMENTS SHALL HAVE A VOC CONTENT OF 200 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).
B.	PENETRATING LIQUID FLOOR TREATMENT: CLEAR, CHEMICALLY REACTIVE, WATERBORNE SOLUTION OF INORGANIC SILICATE OR SILICONATE MATERIALS AND PROPRIETARY COMPONENTS, ODORLESS; THAT PENETRATES, HARDENS, AND DENSIFIES CONCRETE SURFACES.
C.	PENETRATING LIQUID FLOOR TREATMENTS FOR POLISHED CONCRETE FINISH: CLEAR, WATERBORNE SOLUTION OF INORGANIC SILICATE OR SILICONATE MATERIALS AND PROPRIETARY COMPONENTS; ODORLESS; THAT PENETRATES, HARDENS, AND IS SUITABLE FOR POLISHED CONCRETE SURFACES.
1.4	INSTALLATION
A.	DRY-SHAKE FLOOR HARDENER FINISH: AFTER INITIAL FLOATING, APPLY DRY-SHAKE FLOOR HARDENER TO SURFACES.
B.	PENETRATING LIQUID FLOOR TREATMENT: PREPARE, APPLY, AND FINISH PENETRATING LIQUID FLOOR TREATMENT ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
C.	SEALING COAT: UNIFORMLY APPLY A CONTINUOUS SEALING COAT OF CURING AND SEALING COMPOUND TO HARDENED CONCRETE BY POWER SPRAY OR ROLLER ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
D.	PROTECT LIQUID FLOOR TREATMENT FROM DAMAGE AND WEAR DURING THE REMAINDER OF CONSTRUCTION PERIOD. USE PROTECTIVE METHODS AND MATERIALS, INCLUDING TEMPORARY COVERING, RECOMMENDED IN WRITING BY LIQUID FLOOR TREATMENTS INSTALLER.
<b>END OF SECTION 033500</b>	

SECTION 035416 - HYDRAULIC-CEMENT-BASED UNDERLAYMENT

1.1	SUMMARY
A.	HYDRAULIC-CEMENT-BASED UNDERLAYMENT FOR USE BELOW INTERIOR FLOOR COVERINGS.
1.2	MATERIALS
A.	UNDERLAYMENT: HYDRAULIC-CEMENT-BASED, POLYMER-MODIFIED, SELF-LEVELING PRODUCT THAT CAN BE APPLIED IN MINIMUM UNIFORM THICKNESS OF 1/4 INCH (6MM) AND THAT CAN BE FEATHERED AT EDGES TO MATCH ADJACENT FLOOR ELEVATIONS.
1.	CEMENT BINDER: PORTLAND CEMENT, OR OTHER HYDRAULIC OR BLENDED HYDRAULIC CEMENT.
B.	PRIMER: PRODUCT OF UNDERLAYMENT MANUFACTURER RECOMMENDED IN WRITING FOR SUBSTRATE, CONDITIONS, AND APPLICATION INDICATED.
1.	PRIMER SHALL HAVE A VOC CONTENT OF 200 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D.
<b>END OF SECTION 035416</b>	

METALS

<b>SECTION 055000 - METAL FABRICATIONS</b>	
1.1	SUMMARY
A.	STEEL FRAMING AND SUPPORTS FOR MECHANICAL AND ELECTRICAL EQUIPMENT.
B.	STEEL FRAMING AND SUPPORTS FOR APPLICATIONS WHERE FRAMING AND SUPPORTS ARE NOT SPECIFIED IN OTHER SECTIONS.
C.	SHELF ANGLES.
D.	METAL BOLLARDS.
1.2	SUBMITTALS
A.	PRODUCT DATA: FOR THE FOLLOWING:
1.	PAINT PRODUCTS.
2.	GROUT.
3.	ALL PREFABRICATED PRODUCTS.
B.	SHOP DRAWINGS: SHOW FABRICATION AND INSTALLATION DETAILS FOR METAL FABRICATIONS.
1.	INCLUDE PLANS, ELEVATIONS, SECTIONS, AND DETAILS OF METAL FABRICATIONS AND THEIR CONNECTIONS. SHOW ANCHORAGE AND ACCESSORY ITEMS.
2.	PROVIDE TEMPLATES FOR ANCHORS AND BOLTS SPECIFIED FOR INSTALLATION UNDER OTHER SECTIONS.
C.	WELDING CERTIFICATES.
1.3	PRODUCTS
A.	MATERIALS: STEEL PLATES, SHAPES, AND BARS, STEEL PIPE, SLOTTED CHANNEL FRAMING.
1.	LOW-EMITTING PRIMER: METAL PRIMER SHALL HAVE A VOC CONTENT OF 200 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).
B.	MISCELLANEOUS FRAMING AND SUPPORTS:
1.	STEEL FRAMING AND SUPPORTS FOR MECHANICAL AND ELECTRICAL EQUIPMENT, APPLICATIONS WHERE FRAMING AND SUPPORTS ARE NOT SPECIFIED IN OTHER SECTIONS.
2.	GALVANIZE WHERE INDICATED.
3.	PRIME WITH ZINC-RICH PRIMER WHERE INDICATED.
a.	ZINC-RICH PRIMER SHALL HAVE A VOC CONTENT OF 340 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).
C.	LOOSE STEEL LINTELS, GALVANIZED AT EXTERIOR WALLS.
D.	SHELF ANGLES, GALVANIZED.
E.	STEEL WELD PLATES AND ANGLES NOT SPECIFIED IN OTHER SECTIONS, FOR CASTING INTO CONCRETE.
F.	METAL BOLLARDS: SCHEDULE 40 STEEL PIPE.
<b>END OF SECTION 055000</b>	



STARBUCKS COFFEE COMPANY

2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.


ARCHITECT OF RECORD

**NORR**

ARCHITECTS PLANNERS

325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.24241 www.norr.com

ENGINEER OF RECORD



Engineering Consultant

William J. Alkomeyer, P.E.  
363 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**

PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #:	2678
PROJECT #:	14516-022
CONCEPT:	NCS
PALETTE:	HERITAGE
ISSUE DATE:	10.17.13
DESIGN MANAGER:	S. RYCHLIK
LEED® AP:	N/A
PRODUCTION DESIGNER:	C. ALINOVICH, NORR
CHECKED BY:	K. GORIN, NORR

SHEET TITLE:

**DESIGN SPECIFICATIONS**

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

SHEET NUMBER:

**G-0010**

10/17/2013 11:35:08 AM Y:\W1 - Red Arrow - Water & Steel Drawings\arch\Red Arrow\_Casework Rev. 2013 10 15.rvt

WOOD AND PLASTICS

SECTION 061053 - MISCELLANEOUS ROUGH CARPENTRY	
1.1	SUMMARY
A.	MATERIALS
B.	WOOD PRODUCTS, GENERAL:
1.	MAXIMUM MOISTURE CONTENT OF LUMBER: [15 PERCENT]
2.	WOOD-PRESERVATIVE-TREATED MATERIALS:
1.	PRESERVATIVE-TREATMENT: AWPA U1; USE CATEGORY UC2.
2.	PRESERVATIVE CHEMICALS: CONTAINING NO ARSENIC OR CHROMIUM. DO NOT USE INORGANIC BORON (SBX) FOR SILL PLATES.
3.	APPLICATION: ITEMS INDICATED AND THE FOLLOWING:
a.	ITEMS IN CONTACT WITH ROOFING OR WATERPROOFING.
b.	ITEMS IN CONTACT WITH CONCRETE OR MASONRY.
c.	FRAMING LESS THAN 18 INCHES (460 MM) ABOVE GROUND IN CRAWLSPACES.
d.	FLOOR PLATES INSTALLED OVER CONCRETE SLABS-ON-GRADE.
C.	FIRE-RETARDANT-TREATED MATERIALS:
1.	EXTERIOR TYPE FOR EXTERIOR LOCATIONS AND WHERE INDICATED.
2.	INTERIOR TYPE A UNLESS OTHERWISE INDICATED.
3.	APPLICATION: ITEMS INDICATED AND THE FOLLOWING:
a.	FRAMING FOR RAISED PLATFORMS.
b.	CONCEALED BLOCKING.
c.	ROOF FRAMING AND BLOCKING.
d.	ITEMS IN CONTACT WITH ROOFING.
e.	PLYWOOD BACKING PANELS.
D.	FRAMING:
1.	NON-LOAD-BEARING INTERIOR PARTITIONS: CONSTRUCTION OR NO. 2 GRADE.
E.	MISCELLANEOUS LUMBER:
1.	DIMENSION LUMBER: CONSTRUCTION OR NO. 2 GRADE.
2.	UTILITY SHELVING: 19 PERCENT MAXIMUM MOISTURE CONTENT.
3.	CONCEALED BOARDS: 19 PERCENT MAXIMUM MOISTURE CONTENT.
F.	PLYWOOD BACKING PANELS: EXPOSURE 1, C-D PLUGGED [ FIRE-RETARDANT TREATED]
G.	FASTENERS: HOT-DIP GALVANIZED STEEL WHERE EXPOSED TO WEATHER, IN GROUND CONTACT, IN CONTACT WITH TREATED WOOD, OR IN AREA OF HIGH RELATIVE HUMIDITY.
H.	METAL FRAMING ANCHORS:
1.	METAL: GALVANIZED STEEL; HOT-DIP HEAVY GALVANIZED STEEL FOR WOOD-PRESERVATIVE-TREATED LUMBER AND WHERE INDICATED.
I.	ADHESIVES: ADHESIVES SHALL HAVE A VOC CONTENT OF 70 GL OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).
1.2	INSTALLATION
A.	FURRING TO RECEIVE PLYWOOD OR HARDBOARD PANELING: 1-BY-3-INCH NOMINAL-SIZE (19-BY-63-MM ACTUAL-SIZE) FURRING AT [24 INCHES (610 MM)] [600 MM] O.C.
B.	FURRING TO RECEIVE GYPSUM BOARD: 1-BY-2-INCH NOMINAL-SIZE (19-BY-38-MM ACTUAL-SIZE) FURRING AT [16 INCHES (406 MM)] [400 MM] O.C.
END OF SECTION 061053	

SECTION 064000 - INTERIOR ARCHITECTURAL WOODWORK	
1.1	SUMMARY
A.	INTERIOR STANDING AND RUNNING TRIM.
B.	FLUSH WOOD PANELING AND WAINSCOTS.
C.	MELAMINE CABINETS.
D.	SOLID-SURFACING-MATERIAL COUNTERTOPS.
E.	CLOSET AND UTILITY SHELVING.
1.2	QUALITY ASSURANCE
A.	QUALITY STANDARD: AWI.
1.3	MATERIALS
A.	WOOD PRODUCTS: COMPLY WITH THE FOLLOWING:
1.	HARDBOARD: AHA A135.4, MADE WITH BINDER CONTAINING NO UREA FORMALDEHYDE.
2.	MEDIUM-DENSITY FIBERBOARD: ANSI A208.2, GRADE 130, MADE WITH BINDER CONTAINING NO UREA FORMALDEHYDE.
3.	MOISTURE RESISTANT MEDIUM-DENSITY FIBERBOARD: ANSI A208.2, GRADE MD, MR50, MADE WITH BINDER CONTAINING NO UREA FORMALDEHYDE.
4.	STRAW-BASED PARTICLEBOARD: ANSI A208.1, GRADE M-2, EXCEPT FOR DENSITY, MADE WITH ADHESIVE CONTAINING NO UREA FORMALDEHYDE.
5.	SOFTWOOD PLYWOOD: DOC PS 1
6.	VEENER-FACED PANEL PRODUCTS (HARDWOOD PLYWOOD): HPVA HP-1, MADE WITH ADHESIVE CONTAINING NO UREA FORMALDEHYDE.
B.	ADHESIVES, GENERAL: DO NOT USE ADHESIVES THAT CONTAIN UREA FORMALDEHYDE.
C.	VOC LIMITS FOR INSTALLATION ADHESIVES AND GLUES: USE INSTALLATION ADHESIVES THAT COMPLY WITH THE FOLLOWING LIMITS FOR VOC CONTENT WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24):
1.	WOOD GLUES: 30 GL.
2.	PANEL ADHESIVE: 50 GL.
3.	MULTIPURPOSE CONSTRUCTION ADHESIVE: 70 GL.
4.	CONTACT ADHESIVE: 80 GL.
D.	CLOSET AND UTILITY SHELVING:
1.	GRADE: ECONOMY.
2.	SHELF MATERIAL: 3/4 INCH (19 MM) THERMOSET DECORATIVE PANEL WITH PVC OR POLYESTER EDGE BANDING.
3.	CLEATS: 3/4 INCH (19 MM) PANEL PRODUCT.
E.	SHOP FINISHING:
1.	GRADE: SAME GRADE AS WOODWORK.
2.	EXTENT: ALL WOODWORK SHOP FINISHED.
1.4	INSTALLATION
A.	SCRIBE AND CUT MILLWORK TO FIT ADJOINING WORK, REFINISH CUT SURFACES, AND REPAIR DAMAGED FINISH AT CUTS.
B.	ANCHOR MILLWORK TO ANCHORS OR BLOCKING BUILT IN OR DIRECTLY ATTACHED TO SUBSTRATES. SECURE WITH COUNTERSUNK, CONCEALED FASTENERS AND BLIND NAILING AS REQUIRED FOR COMPLETE INSTALLATION. USE FINE FINISHING NAILS OR FINISHING SCREWS FOR EXPOSED FASTENING. COUNTERSUNK AND FILLED FLUSH WITH MILLWORK AND MATCHING FINAL FINISH IF TRANSPARENT FINISH IS INDICATED.
C.	CABINETS: INSTALL WITHOUT DISTORTION SO DOORS AND DRAWERS FIT OPENINGS PROPERLY AND ARE ACCURATELY ALIGNED. ADJUST HARDWARE TO CENTER DOORS AND DRAWERS IN OPENINGS AND TO PROVIDE UNENCUMBERED OPERATION. COMPLETE INSTALLATION OF HARDWARE AND ACCESSORY ITEMS AS INDICATED.
1.	INSTALL CABINETS WITH NO MORE THAN 1/8 INCH IN 96 INCH (3 MM IN 2400 MM) SAG, BOW, OR OTHER VARIATION FROM A STRAIGHT LINE.
D.	COUNTERTOPS: ANCHOR SECURELY BY SCREWING THROUGH CORNER BLOCKS OF BASE CABINETS OR OTHER SUPPORTS INTO UNDERSIDE OF COUNTERTOP.
1.	ALIGN ADJACENT SOLID-SURFACING-MATERIAL COUNTERTOPS AND FORM SEAMS TO COMPLY WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS USING ADHESIVE IN COLOR TO MATCH COUNTERTOP. CAREFULLY DRESS JOINTS SMOOTH, REMOVE SURFACE SCRATCHES, AND CLEAN ENTIRE SURFACE.
2.	INSTALL COUNTERTOPS WITH NO MORE THAN 1/8 INCH IN 96 INCH (3 MM IN 2400 MM) SAG, BOW, OR OTHER VARIATION FROM A STRAIGHT LINE.
3.	SECURE COVED BACKSPASHES TO TOPS PER MANUFACTURES FABRICATION MANUAL AND TO WALLS WITH ADHESIVE.
4.	CALK SPACE BETWEEN BACKSPASH AND WALL WITH SEALANT SPECIFIED IN DIVISION 7 SECTION "JOINT SEALANTS."
END OF SECTION 064000	

THERMAL AND MOISTURE PROTECTION

SECTION 07841 - THROUGH-PENETRATION FIRESTOP SYSTEMS	
1.1	SUBMITTALS
A.	PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.
1.2	QUALITY ASSURANCE
A.	INSTALLER QUALIFICATIONS: AN FM GLOBAL-APPROVED FIRESTOP CONTRACTOR OR A UL-QUALIFIED FIRESTOP CONTRACTOR.
B.	FIRE-TEST-RESPONSE CHARACTERISTICS: TESTED PER ASTM E 814 BY QUALIFIED TESTING AND INSPECTING AGENCY.
1.3	PENETRATION FIRESTOPPING
A.	PENETRATIONS IN FIRE-RESISTANCE-RATED WALLS: F-RATINGS PER ASTM E 814 OR UL 1479.
B.	PENETRATIONS IN HORIZONTAL ASSEMBLIES: F- AND T-RATINGS PER ASTM E 814 OR UL 1479.
C.	PENETRATIONS IN SMOKE BARRIERS: L-RATINGS PER UL 1479.
D.	W-RATINGS: PER UL 1479.
E.	RESISTANCE-RATED CONSTRUCTIONS: PROVIDE INTERIOR SEALANTS AND SEALANT PRIMERS THAT COMPLY WITH THE FOLLOWING LIMITS FOR VOC CONTENT WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24):
1.	SEALANTS: 250 G/L.
2.	SEALANT PRIMERS FOR NONPOROUS SUBSTRATES: 250 G/L.
3.	SEALANT PRIMERS FOR POROUS SUBSTRATES: 775 G/L.
1.4	INSTALLATION
A.	IDENTIFICATION: PREPRINTED METAL OR PLASTIC LABELS, PERMANENTLY ATTACHED.
1.5	FIELD QUALITY CONTROL
A.	INSPECTOR-INSTALLED FIRESTOP SYSTEMS: BY OWNER-ENGAGED AGENCY ACCORDING TO ASTM E 2174 REQUIREMENTS.

END OF SECTION 07841	
SECTION 078446 - FIRE-RESISTIVE JOINT SYSTEMS	
1.1	SUMMARY
A.	FIRE-RESISTIVE JOINT SYSTEMS FOR THE FOLLOWING:
1.	JOINTS IN OR BETWEEN FIRE-RESISTANCE-RATED CONSTRUCTIONS.
2.	JOINTS AT EXTERIOR CURTAIN-WALL/FLOOR INTERSECTIONS.
3.	JOINTS IN SMOKE BARRIERS.
1.2	PERFORMANCE REQUIREMENTS
A.	FIRE-RESISTANCE RATINGS OF JOINT SYSTEMS IN AND BETWEEN FIRE-RESISTANCE-RATED CONSTRUCTIONS: EQUALING OR EXCEEDING THE FIRE-RESISTANCE RATINGS OF CONSTRUCTION THAT THEY JOIN, [AND WITH MOVEMENT CAPABILITIES INDICATED] AS DETERMINED BY UL 2079.
1.3	SUBMITTALS
A.	PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.
1.4	QUALITY ASSURANCE
A.	FIRE-TEST-RESPONSE CHARACTERISTICS: TESTED BY QUALIFIED TESTING AND INSPECTING AGENCY.
1.5	FIRE-RESISTIVE JOINT SYSTEMS
A.	DESIGNATION SYSTEM FOR JOINTS IN OR BETWEEN FIRE-RESISTANCE-RATED CONSTRUCTIONS: ALPHANUMERIC SYSTEMS LISTED IN UL'S "FIRE RESISTANCE DIRECTORY" UNDER PRODUCT CATEGORY XHBN.
B.	JOINTS IN OR BETWEEN FIRE-RESISTANCE-RATED CONSTRUCTION: EQUAL TO OR EXCEEDING THE FIRE-RESISTANCE RATING OF CONSTRUCTION THEY WILL JOIN.
C.	JOINTS AT EXTERIOR CURTAIN-WALL/FLOOR INTERSECTIONS: EQUAL TO OR EXCEEDING THE FIRE-RESISTANCE RATING OF THE FLOOR ASSEMBLY.
D.	JOINTS IN SMOKE BARRIERS:
1.	L-RATING: NOT EXCEEDING 5.0 CFM/FT (0.00775 CU. M/S X M) OF JOINT AT 0.30 INCH W/G (74.7 PA) AT BOTH AMBIENT AND ELEVATED TEMPERATURES.
E.	EXPOSED FIRE-RESISTIVE JOINT SYSTEMS: PROVIDE PRODUCTS WITH FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF LESS THAN 25 AND 450, RESPECTIVELY, AS DETERMINED PER ASTM E 84.
F.	VOC CONTENT: FIRE-RESISTIVE JOINT SYSTEM SEALANTS SHALL COMPLY WITH THE FOLLOWING LIMITS FOR VOC CONTENT WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24):
1.	ARCHITECTURAL SEALANTS: 250 G/L.
2.	SEALANT PRIMERS FOR NONPOROUS SUBSTRATES: 250 G/L.
3.	SEALANT PRIMERS FOR POROUS SUBSTRATES: 775 G/L.
G.	ADHESIVES: FORMING MATERIALS AND OTHER COMPONENTS NEEDED TO INSTALL FILL MATERIALS AND MAINTAIN RATINGS REQUIRED.
H.	ACCESSORIES: FORMING MATERIALS AND OTHER COMPONENTS NEEDED TO INSTALL FILL MATERIALS AND MAINTAIN RATINGS REQUIRED.

THERMAL AND MOISTURE PROTECTION (CONT.)

SECTION 079200 - JOINT SEALANTS	
1.1	MATERIALS
A.	VOC CONTENT OF INTERIOR SEALANTS: PROVIDE INTERIOR SEALANTS AND SEALANT PRIMERS THAT COMPLY WITH THE FOLLOWING LIMITS FOR VOC CONTENT WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24):
1.	SEALANTS: 250 G/L.
2.	SEALANT PRIMERS FOR NONPOROUS SUBSTRATES: 250 G/L.
3.	SEALANT PRIMERS FOR POROUS SUBSTRATES: 775 G/L.
B.	SUITABILITY FOR CONTACT WITH FOOD: WHERE SEALANTS ARE INDICATED FOR JOINTS THAT WILL COME IN REPEATED CONTACT WITH FOOD, PROVIDE PRODUCTS THAT COMPLY WITH 21 CFR 177.2600.
C.	ELASTOMERIC JOINT SEALANTS: LIQUID APPLIED, CHEMICALLY CURING; ASTM C 920.
1.	MULTICOMPONENT NONSAG NEUTRAL-CURING SILICONE SEALANT ES-1.
2.	SINGLE-COMPONENT MILDEW-RESISTANT NEUTRAL-CURING SILICONE SEALANT ES-2.
3.	SINGLE-COMPONENT MILDEW-RESISTANT ACID-CURING SILICONE SEALANT ES-3.
4.	SINGLE-COMPONENT MILDEW-RESISTANT ACID-CURING RTV SILICONE SEALANT ES-4.
5.	MULTICOMPONENT NONSAG POLYUREA SEALANT ES-5.
6.	MULTICOMPONENT NONSAG POLYUREA FILLER ES-6.
D.	LATEX SEALANT LS-1: COMPLY WITH ASTM C 834, TYPE P, GRADE NF.
E.	JOINT-SEALANT BACKING:
1.2	JOINT-SEALANT SCHEDULE
A.	JOINT-SEALANT APPLICATION JS-1: EXTERIOR HORIZONTAL NONTRAFFIC AND ROAD TRAFFIC ISOLATION AND CONTRACTION JOINTS IN CAST-IN-PLACE CONCRETE SLABS.
1.	JOINT SEALANT: ES-5.
B.	JOINT-SEALANT APPLICATION JS-2: EXTERIOR PERIMETER JOINTS BETWEEN WALL AND FRAMES OF DOORS AND WINDOWS.
1.	JOINT SEALANT: ES-1.
C.	JOINT-SEALANT APPLICATION JS-3: EXTERIOR CONTROL AND EXPANSION JOINTS IN HORIZONTAL TRAFFIC SURFACES OF BRICK PAVERS, CERAMIC TILE, STONE PAVING UNITS, CONCRETE TILE.
1.	JOINT SEALANT: MULTICOMPONENT POURABLE POLYSULFIDE SEALANT.
2.	JOINT-SEALANT COLOR: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
D.	JOINT-SEALANT APPLICATION JS-4: INTERIOR PERIMETER JOINTS OF EXTERIOR OPENINGS.
1.	JOINT SEALANT: ES-3.
E.	JOINT-SEALANT APPLICATION JS-5: INTERIOR CERAMIC TILE EXPANSION, CONTRACTION, AND ISOLATION JOINTS IN HORIZONTAL TRAFFIC SURFACES.
1.	JOINT SEALANT: ES-3.
2.	JOINT-SEALANT COLOR: AS NOTED.
F.	JOINT-SEALANT APPLICATION JS-6: INTERIOR JOINTS BETWEEN PLUMBING FIXTURES AND ADJOINING WALLS, FLOORS, AND COUNTERS.
1.	JOINT SEALANT: ES-3.
2.	JOINT-SEALANT COLOR: TRANSLUCENT.
G.	JOINT-SEALANT APPLICATION JS-7: VERTICAL JOINTS ON EXPOSED SURFACES OF INTERIOR PARTITIONS.
1.	JOINT SEALANT: ES-3.
H.	JOINT-SEALANT APPLICATION JS-8: PERIMETER JOINTS BETWEEN INTERIOR WALL SURFACES AND FRAMES OF INTERIOR DOORS, WINDOWS.
1.	JOINT SEALANT: ES-3.
I.	JOINT-SEALANT APPLICATION JS-9: HVAC JOINTS.
1.	JOINT SEALANT: ES-2.
2.	JOINT-SEALANT COLOR: ALUMINUM.
J.	JOINT-SEALANT APPLICATION JS-10: NON-POROUS MATERIAL TO NON-POROUS MATERIAL.
1.	JOINT SEALANT: ES-4.
2.	JOINT-SEALANT COLOR: CLEAR.
END OF SECTION 079200	

DOORS AND WINDOWS

SECTION 081416 - FLUSH WOOD DOORS	
1.1	SUBMITTALS
A.	PRODUCT DATA: FOR EACH TYPE OF DOOR INDICATED. INCLUDE DETAILS OF CORE AND EDGE CONSTRUCTION AND TRIM FOR OPENINGS.
B.	SHOP DRAWINGS: INDICATE LOCATION, SIZE, AND HAND OF EACH DOOR; ELEVATION OF EACH KIND OF DOOR; CONSTRUCTION DETAILS NOT COVERED IN PRODUCT DATA; LOCATION AND EXTENT OF HARDWARE BLOCKING; AND OTHER PERTINENT DATA.
1.	INDICATE DIMENSIONS AND LOCATIONS OF MORTISES AND HOLES FOR HARDWARE.
2.	INDICATE DIMENSIONS AND LOCATIONS OF CUTOUTS.
3.	INDICATE REQUIREMENTS FOR VENEER MATCHING.
4.	INDICATE DOORS TO BE FACTORY FINISHED AND FINISH REQUIREMENTS.
5.	INDICATE FIRE-PROTECTION RATINGS FOR FIRE-RATED DOORS.
C.	WARRANTY: SAMPLE OF SPECIAL WARRANTY.
1.2	QUALITY ASSURANCE
A.	QUALITY STANDARD: AWI.
1.	AWI QUALITY CERTIFICATION LABELS OR AN AWI LETTER OF LICENSING FOR DOORS.
2.	WI-CERTIFIED COMPLIANCE CERTIFICATE FOR DOORS AND INSTALLATION.
B.	FIRE-RATED WOOD DOORS: POSITIVE PRESSURE TESTING.
1.3	DOOR CONSTRUCTION, GENERAL
A.	LOW-EMITTING MATERIALS: MADE WITH ADHESIVES AND COMPOSITE WOOD PRODUCTS THAT DO HAVE NO ADDED UREA FORMALDEHYDE.
B.	DOOR CLASS: A PERFORMANCE GRADE: HEAVY DUTY UNLESS OTHERWISE INDICATED.
1.4	VENEERED-FACED DOORS FOR TRANSPARENT FINISH
A.	INTERIOR SOLID-CORE DOORS:
1.	CORE: PARTICLEBOARD.
2.	CONSTRUCTION: FIVE OR SEVEN PLIES, BONDED.
1.5	PRIMING/FINISHING
A.	SHOP PRIMING:
1.	DOORS FOR OPAQUE FINISH: ONE COAT OF WOOD PRIMER.
2.	DOORS FOR TRANSPARENT FINISH: STAIN AND FIRST COAT OF FINISH.
B.	FACTORY FINISHING: ALL DOORS.
END OF SECTION 081416	


SECTION 08331 - OVERHEAD COILING DOORS	
1.1	SUBMITTALS
1.2	MATERIALS
A.	PRODUCT DATA: FOR EACH TYPE AND SIZE OF OVERHEAD COILING DOOR AND ACCESSORY. INCLUDE THE FOLLOWING:
B.	SHOP DRAWINGS: FOR EACH INSTALLATION AND FOR SPECIAL COMPONENTS NOT DIMENSIONED OR DETAILED IN MANUFACTURER'S PRODUCT DATA. INCLUDE PLANS, ELEVATIONS, SECTIONS, DETAILS, AND ATTACHMENTS TO OTHER WORK.
1.	DETAIL EQUIPMENT ASSEMBLIES AND INDICATE DIMENSIONS, WEIGHTS, LOADS, REQUIRED CLEARANCES, METHOD OF FIELD ASSEMBLY, COMPONENTS, AND LOCATION AND SIZE OF EACH FIELD CONNECTION.
C.	SAMPLES FOR INITIAL SELECTION: MANUFACTURER'S FINISH CHARTS SHOWING FULL RANGE OF COLORS AND TEXTURES AVAILABLE FOR UNITS WITH FACTORY-APPLIED FINISHES.
1.	INCLUDE SIMILAR SAMPLES OF ACCESSORIES INVOLVING COLOR SELECTION.
D.	SAMPLES FOR VERIFICATION: FOR EACH TYPE OF EXPOSED FINISH REQUIRED, PREPARED ON SAMPLES OF SIZE INDICATED BELOW.
1.	CURTAIN SLATS: 12 INCHES (305 MM) LONG.
2.	BOTTOM BAR: 6 INCHES (150 MM) LONG.
3.	GUIDES: 6 INCHES (150 MM) LONG.
4.	BRACKETS: 6 INCHES (150 MM) SQUARE.
5.	HOOD: 6 INCHES (150 MM) SQUARE.
E.	DELEGATED-DESIGN SUBMITTAL: FOR OVERHEAD COILING DOORS INDICATED TO COMPLY WITH PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA, INCLUDING ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION.
1.	DETAIL FABRICATION AND ASSEMBLY OF SEISMIC RESTRAINTS.
2.	SUMMARY OF FORCES AND LOADS ON WALLS AND JAMBS.
F.	QUALIFICATION DATA: FOR QUALIFIED INSTALLER.
G.	SEISMIC QUALIFICATION CERTIFICATES: FOR OVERHEAD COILING DOORS, ACCESSORIES, AND COMPONENTS, FROM MANUFACTURER.
H.	MAINTENANCE DATA: FOR OVERHEAD COILING DOORS TO INCLUDE IN MAINTENANCE MANUALS.
1.3	PERFORMANCE REQUIREMENTS
A.	OPERATION-CYCLE REQUIREMENTS: PROVIDE OVERHEAD COILING GRILLE COMPONENTS AND OPERATORS CAPABLE OF OPERATING FOR NOT LESS THAN 50,000 CYCLES AND FOR 25 CYCLES PER DAY.
1.4	DOOR ASSEMBLY
A.	GENERAL: FABRICATE OVERHEAD COILING GRILLE CURTAIN CONSISTING OF A NETWORK OF 5/16 INCH (8 MM) MINIMUM DIAMETER HORIZONTAL RODS, OR RODS COVERED WITH TUBE SPACERS, SPACED AS INDICATED. INTERCONNECT RODS BY VERTICAL LINKS APPROXIMATELY 5/8 INCH (16 MM) WIDE, SPACED AS INDICATED AND ROTATING ON RODS.
1.	SPACE RODS AT APPROXIMATELY 1-1/2 INCHES (38 MM) O.C.
2.	SPACE LINKS APPROXIMATELY 9 INCHES (228 MM) APART IN A STRAIGHT IN-LINE PATTERN.
3.	ALUMINUM GRILLE CURTAIN: ASTM B 221 (ASTM B 221M), ALLOY AND TEMPER RECOMMENDED BY ALUMINUM PRODUCER AND FINISHER FOR TYPE OF USE AND FINISH INDICATED.
B.	HOOD: ALUMINUM.
C.	MANUAL DOOR OPERATOR.
1.5	INSTALLATION
A.	FACTORY-AUTHORIZED REPRESENTATIVE TO [PERFORM STARTUP SERVICE AND TESTING] [AND] [TRAIN OWNER'S PERSONNEL].
END OF SECTION 08331	

DOORS AND WINDOWS (CONTINUED)

SECTION 08345 - DOUBLE ACTING SWING DOORS	
PART 1 - GENERAL	
1.1	SUMMARY
A.	SECTION INCLUDES:
1.	SOLID-CORE DOUBLE ACTING SWING DOORS WITH PLASTIC LAMINATE FACES.
1.2	SUBMITTALS
A.	PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED. INCLUDE CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, CORE DESCRIPTIONS, FIRE-RESISTANCE RATING, TEMPERATURE-RISE RATINGS, AND FINISHES.
B.	SHOP DRAWINGS: INCLUDE THE FOLLOWING:
1.	ELEVATIONS OF EACH DOOR DESIGN.
2.	DETAILS OF DOORS, INCLUDING VERTICAL AND HORIZONTAL EDGE DETAILS AND METAL THICKNESSES.
3.	FRAMING ANCHORS AND DETAILS FOR EACH FRAME TYPE, INCLUDING DIMENSIONED PROFILES AND METAL THICKNESSES.
4.	LOCATIONS OF REINFORCEMENT AND PREPARATIONS FOR HARDWARE.
5.	DETAILS OF ACCESSORIES.
6.	DETAILS OF MOLDINGS, REMOVABLE STOPS, AND GLAZING.
1.3	STANDARD DOUBLE ACTING SWING DOORS
A.	GENERAL: PROVIDE DOORS OF DESIGN INDICATED, NOT LESS THAN THICKNESS INDICATED; FABRICATED WITH SMOOTH SURFACES, WITHOUT VISIBLE JOINTS OR SEAMS ON EXPOSED FACES UNLESS OTHERWISE INDICATED. COMPLY WITH ANSIS/DI A250.8.
B.	DESIGN: AS INDICATED.
C.	CORE CONSTRUCTION: 3/4 INCH (19 MM) EXTERIOR GRADE SOLID WOOD CORE MADE WITH ADHESIVES AND COMPOSITE WOOD PRODUCTS THAT DO NOT CONTAIN UREA FORMALDEHYDE.
1.	VERTICAL EDGES FOR DOUBLE-ACTING DOORS: ROUND VERTICAL EDGES WITH 2-1/8 INCH (54 MM) RADIUS.
2.	TOP AND BOTTOM EDGES: CLOSED WITH FLUSH OR INVERTED 0.042 INCH (1.0 MM) THICK, END CLOSURES OR CHANNELS OF SAME MATERIAL AS FACE SHEETS.
3.	TOLERANCES: COMPLY WITH SDI 117, "MANUFACTURING TOLERANCES FOR STANDARD STEEL DOORS AND FRAMES."
C.	INTERIOR DOORS: FACE SHEETS FABRICATED FROM DECORATIVE HIGH PRESSURE LAMINATE. PROVIDE DOORS COMPLYING WITH REQUIREMENTS INDICATED BELOW BY REFERENCING ANSIS/DI A250.8 FOR LEVEL AND MODEL AND ANSIS/DI A250.4 FOR PHYSICAL PERFORMANCE LEVEL:
1.	LEVEL 1 AND PHYSICAL PERFORMANCE LEVEL C (STANDARD DUTY).
a.	WIRE GLASS AS INDICATED ON DRAWINGS.
D.	HARDWARE REINFORCEMENT: FABRICATE ACCORDING TO ANSIS/DI A250.6 WITH REINFORCING PLATES OF 18 GAUGE STAINLESS STEEL.
E.	FABRICATE CONCEALED STIFFENERS AND HARDWARE REINFORCEMENT FROM EITHER COLD- OR HOT-ROLLED STEEL SHEET.
1.4	STOPS AND MOLDINGS
A.	MOLDINGS FOR GLAZED LITES IN DOORS:
1.	MINIMUM 0.032 INCH (0.8 MM) THICK.
B.	LOOSE STOPS FOR GLAZED LITES IN FRAMES:
1.	MINIMUM 0.032 INCH (0.8 MM) THICK, FABRICATED FROM SAME MATERIAL AS FRAMES IN WHICH THEY ARE INSTALLED.
1.5	STEEL FINISHES
A.	PRIME FINISH: APPLY MANUFACTURER'S STANDARD PRIMER IMMEDIATELY AFTER CLEANING AND PRETREATING.
1.	SHOP PRIMER: MANUFACTURER'S STANDARD, FAST-CURING, LEAD- AND CHROMATE-FREE PRIMER COMPLYING WITH ANSIS/DI A250.10 ACCEPTANCE CRITERIA, RECOMMENDED BY PRIMER MANUFACTURER FOR SUBSTRATE, COMPATIBLE WITH SUBSTRATE AND FIELD-APPLIED COATINGS DESPITE PROLONGED EXPOSURE.
B.	FACTORY-APPLIED PAINT FINISH: MANUFACTURER'S STANDARD, COMPLYING WITH ANSIS/DI A250.3 FOR PERFORMANCE AND ACCEPTANCE CRITERIA.
1.6	COLOR AND GLOSS: AS INDICATED BY MANUFACTURER'S DESIGNATIONS.
END OF SECTION 08345	

FINISHES


SECTION 09216 - NON-LOAD-BEARING STEEL FRAMING	
1.1	SUMMARY
A.	NON-LOAD-BEARING STEEL FRAMING MEMBERS FOR INTERIOR FRAMING SYSTEMS.
1.2	MATERIALS
A.	STEEL FRAMING FOR FRAMED ASSEMBLIES:
B.	FRAMING MEMBERS, GENERAL: COMPLY WITH ASTM C 754 FOR CONDITIONS INDICATED.
1.	STEEL SHEET COMPONENTS: COMPLY WITH ASTM C 645 REQUIREMENTS FOR METAL, UNLESS OTHERWISE INDICATED.
2.	PROTECTIVE COATING: COATING WITH EQUIVALENT CORROSION RESISTANCE OF AT LEAST 683A S540, G40 683A S540 (Z275), HOT-DIP GALVANIZED, UNLESS OTHERWISE INDICATED.
1.3	STEEL FRAMING FOR FRAMED ASSEMBLIES
A.	SALVAGED MATERIAL: USE SALVAGED FRAMING MATERIALS WHENEVER AVAILABLE.
B.	STEEL STUDS AND RUNNERS: ASTM C 645.
1.	MINIMUM BASE-METAL THICKNESS: 0.033 INCH (0.84 MM) UNLESS OTHERWISE INDICATED ON DRAWINGS.
2.	DEPTH: AS INDICATED ON DRAWINGS.
C.	DIMPLED STEEL STUDS AND RUNNERS:
1.	MINIMUM BASE-METAL THICKNESS: 0.025 INCH (0.64 MM).
2.	DEPTH: AS INDICATED ON DRAWINGS.
D.	SLIP-TYPE HEAD JOINTS: WHERE INDICATED, PROVIDE ONE OF THE FOLLOWING:
1.	SINGLE LONG-LEG RUNNER SYSTEM: ASTM C 645 TOP RUNNER WITH 2 INCH (50.8 MM) DEEP FLANGES IN THICKNESS NOT LESS THAN INDICATED FOR STUDS. INSTALLED WITH STUDS FRICTION FIT INTO TOP RUNNER AND WITH CONTINUOUS BRIDGING LOCATED WITHIN 12 INCHES (305 MM) OF THE TOP OF STUDS TO PROVIDE LATERAL BRACING.
2.	DOUBLE-RUNNER SYSTEM: ASTM C 645 TOP RUNNERS, INSIDE RUNNER WITH 2 INCH (50.8 MM) DEEP FLANGES IN THICKNESS NOT LESS THAN INDICATED FOR STUDS AND FASTENED TO STUDS, AND OUTER RUNNER SIZED FOR FRICTION FIT INSIDE RUNNER.
3.	DEFLECTION TRACK: STEEL SHEET TOP RUNNER MANUFACTURED TO PREVENT CRACKING OF FINISHES APPLIED TO INTERIOR PARTITION FRAMING RESULTING FROM DEFLECTION OF STRUCTURE ABOVE; IN THICKNESS NOT LESS THAN INDICATED FOR STUDS AND IN WIDTH TO ACCOMMODATE DEPTH OF STUDS.
E.	COLD-ROLLED CHANNEL BRIDGING: 0.0638 INCH (1.37 MM) BARE-STEEL THICKNESS, WITH MINIMUM 1/2 INCH (12.7 MM) WIDE FLANGES.
1.	DEPTH: 1-1/2 INCHES (38.1 MM).
2.	CLIP ANGLE: NOT LESS THAN 1-1/2 BY 1-1/2 INCHES (38.1 BY 38.1 MM), 0.068 INCH (1.73 MM) THICK, GALVANIZED STEEL.
F.	HAT-SHAPED, RIGID FURRING CHANNELS: ASTM C 645.
1.	MINIMUM BASE-METAL THICKNESS: AS INDICATED ON DRAWINGS.
2.	DEPTH: AS INDICATED ON DRAWINGS.
G.	COLD-ROLLED FURRING CHANNELS: 0.0638 INCH (1.37 MM) BARE-STEEL THICKNESS, WITH MINIMUM 1/2 INCH (12.7 MM) WIDE FLANGES.
1.	DEPTH: AS INDICATED ON DRAWINGS.
2.	FURRING BRACKET: ADJUSTABLE, CORRUGATED-EDGE TYPE OF STEEL SHEET WITH MINIMUM BARE-STEEL THICKNESS OF 0.0312 INCH (0.79 MM).
3.	TIE WIRE: ASTM A 641/A 641M, CLASS 1 ZINC COATING, SOFT TEMPER, 0.0625 INCH (1.59 MM) DIAMETER WIRE, OR DOUBLE STRAND OF 0.0475 INCH (1.21 MM) DIAMETER WIRE.
H.	Z-SHAPED FURRING CHANNELS: 0.0638 INCH (1.37 MM) BARE FACE FLANGE OF 1-1/4 INCHES (31.8 MM), WALL ATTACHMENT FLANGE OF 7/8 INCH (22.2 MM), MINIMUM BARE-METAL THICKNESS OF 0.0179 INCH (0.45 MM), AND DEPTH REQUIRED TO FIT INSULATION THICKNESS INDICATED.
END OF SECTION 09216	



STARBUCKS COFFEE COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD  
**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
1 312.424.2400 | 1 312.424.2424 | www.norr.com

ENGINEER OF RECORD  


William J. Alkemyer, P.E.  
363 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108

Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

FINISHES (CONTINUED)

SECTION 092900 - GYPSUM BOARD	
1.1	SUMMARY
A.	INTERIOR GYPSUM BOARD.
B.	TILE BACKING PANELS.
1.2	SUBMITTALS
A.	PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.
B.	SAMPLES: FOR THE FOLLOWING PRODUCTS:
1.	TEXTURED FINISHES: MANUFACTURER'S STANDARD SIZE FOR EACH TEXTURED FINISH INDICATED AND ON SAME BACKING INDICATED FOR WORK.
1.3	MATERIALS
A.	INTERIOR GYPSUM BOARD:
1.	GENERAL: COMPLYING WITH ASTM C 36/C 36M OR ASTM C 1396/C 1396M, AS APPLICABLE TO TYPE OF GYPSUM BOARD INDICATED AND WHICHEVER IS MORE STRINGENT.
a.	MUST BE CERTIFIED AS LOW EMITTING. CERTIFICATION MUST BE BASED UPON THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES' "STANDARD PRACTICE FOR THE TESTING OF VOLATILE ORGANIC EMISSIONS FROM VARIOUS SOURCES USING SMALL-SCALE ENVIRONMENTAL CHAMBERS", INCLUDING 2004 ADDENDA OR A JURISDICTIONALLY RECOGNIZED STANDARD USING VALENT TESTING METHODOLOGIES AND VOC THRESHOLDS.
2.	TYPE X:
a.	THICKNESS: 5/8 INCH (15.9 MM).
b.	LONG EDGES: TAPERED.
3.	MOISTURE- AND MOLD-RESISTANT TYPE: WITH MOISTURE- AND MOLD-RESISTANT CORE AND SURFACES.
a.	CORE: 5/8 INCH (15.9 MM), TYPE X.
b.	LONG EDGES: TAPERED.
c.	MOLD RESISTANCE: ASTM D 3273, SCORE OF 10 AS RATED ACCORDING TO ASTM D 3274.
B.	TILE-BACKING PANELS:
1.	GLASS-MAT, WATER-RESISTANT BACKING BOARD:
a.	ASTM C 1178/C 1178M, WITH MANUFACTURER'S STANDARD EDGES.
a.	MUST BE CERTIFIED AS LOW EMITTING. CERTIFICATION MUST BE BASED UPON THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES' "STANDARD PRACTICE FOR THE TESTING OF VOLATILE ORGANIC EMISSIONS FROM VARIOUS SOURCES USING SMALL-SCALE ENVIRONMENTAL CHAMBERS", INCLUDING 2004 ADDENDA OR A JURISDICTIONALLY RECOGNIZED STANDARD USING EQUIVALENT TESTING METHODOLOGIES AND VOC THRESHOLDS.
b.	CORE: 5/8 INCH (15.9 MM), TYPE X.
c.	MOLD RESISTANCE: ASTM D 3273, SCORE OF 10 AS RATED ACCORDING TO ASTM D 3274.
2.	CEMENTITIOUS BACKER UNITS: ANSI A118.9 AND ASTM C 1288 OR 1325, WITH MANUFACTURER'S STANDARD EDGES.
a.	THICKNESS: [1/4 INCH (6.4 MM)] [AS INDICATED].
b.	MOLD RESISTANCE: ASTM D 3273, SCORE OF 10 AS RATED ACCORDING TO ASTM D 3274.
C.	TRIM ACCESSORIES:
a.	INTERIOR: CORNERBEAD.
END OF SECTION 092900	
SECTION 093000 - CERAMIC TILE	
1.1	SUMMARY
A.	PAVER, GLAZED, AND WALL TILE.
B.	WATERPROOF MEMBRANE FOR THIN-SET TILE INSTALLATIONS.
C.	METAL EDGE STRIPS INSTALLED AS PART OF TILE INSTALLATIONS.
1.2	QUALITY ASSURANCE
A.	MOCKUPS FOR EACH FORM OF CONSTRUCTION.
1.3	MATERIALS
A.	GLAZED WALL TILE TRIM SHAPES: COVED BASE, BULLNOSE CAP.
B.	THRESHOLDS: SATIN ANODIZED ALUMINUM THRESHOLDS AND TRANSITION STRIPS.
1.	BEVEL EDGES AT 1:2 SLOPE, WITH LOWER EDGE OF BEVEL ALIGNED WITH OR UP TO 1/16 INCH (1.5 MM) ABOVE ADJACENT FLOOR SURFACE. FINISH BEVEL TO MATCH TOP SURFACE OF THRESHOLD. LIMIT HEIGHT OF THRESHOLD TO 1/2 INCH (12.7 MM) OR LESS ABOVE ADJACENT FLOOR SURFACE.
C.	MORTAR: LATEX-PORTLAND CEMENT
D.	ELASTOMERIC SEALANTS: ONE-PART, MILDEW-RESISTANT SILICONE.
1.	SEALANTS SHALL HAVE A VOC CONTENT OF [250] G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).
1.4	FLOOR TILE INSTALLATION SCHEDULE
A.	INTERIOR FLOORS ON CONCRETE: THIN-SET MORTAR.
1.	TILE TYPE: UNGLAZED PAVER TILE.
2.	MORTAR: LATEX- PORTLAND CEMENT MORTAR BOND COAT.
3.	GROUT: POLYMER-MODIFIED UNSANDED 100% SOLIDS EPOXY NON-SAGGING GROUT.
B.	INTERIOR FLOORS ON [WATERPROOF] [CRACK-SUPPRESSION] MEMBRANE OVER CONCRETE AND WOOD: THIN-SET MORTAR.
1.	TILE TYPE: UNGLAZED PAVER TILE.
2.	MORTAR: LATEX- PORTLAND CEMENT MORTAR BOND COAT.
3.	GROUT: POLYMER-MODIFIED UNSANDED 100% SOLIDS EPOXY NON-SAGGING GROUT.
1.5	WALL TILE INSTALLATION SCHEDULE
A.	INTERIOR WALLS OVER GLASS-MAT WATER-RESISTANT BACKER BOARD OR CEMENTITIOUS BACKER UNITS: THIN-SET MORTAR.
1.	TILE TYPE: [GLAZED WALL] TILE.
2.	MORTAR: LATEX- PORTLAND CEMENT MORTAR.
3.	GROUT: POLYMER-MODIFIED UNSANDED GROUT.
END OF SECTION 093000	

FINISHES (CONTINUED)

SECTION 095113 - ACOUSTICAL PANEL CEILINGS	
1.1	SUMMARY
A.	ACOUSTICAL PANELS AND EXPOSED SUSPENSION SYSTEMS.
1.2	SUBMITTALS
A.	PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.
B.	COORDINATION DRAWINGS: REFLECTED CEILING PLANS, DRAWN TO SCALE, ON WHICH THE FOLLOWING ITEMS ARE SHOWN AND COORDINATED WITH EACH OTHER, BASED ON INPUT FROM INSTALLERS OF THE ITEMS INVOLVED:
1.	CEILING SUSPENSION SYSTEM MEMBERS.
2.	METHOD OF ATTACHING HANGERS TO BUILDING STRUCTURE.
3.	CEILING-MOUNTED ITEMS INCLUDING LIGHTING FIXTURES, DIFFUSERS, GRILLES, SPEAKERS, SPRINKLERS, ACCESS PANELS, AND SPECIAL MOLDINGS.
C.	SAMPLES FOR VERIFICATION: FOR EACH COMPONENT INDICATED AND FOR EACH EXPOSED FINISH REQUIRED, PREPARED ON SAMPLES OF SIZE INDICATED BELOW.
1.	ACOUSTICAL PANEL: SET OF FULL-SIZE SAMPLES OF EACH TYPE, COLOR, PATTERN, AND TEXTURE.
2.	EXPOSED SUSPENSION SYSTEM MEMBERS, MOLDINGS, AND TRIM: SET OF 12 INCH (300 MM) LONG SAMPLES OF EACH TYPE, FINISH, AND COLOR.
D.	QUALIFICATION DATA: FOR TESTING AGENCY.
E.	FIELD QUALITY-CONTROL TEST REPORTS.
F.	PRODUCT TEST REPORTS: BASED ON EVALUATION OF COMPREHENSIVE TESTS PERFORMED BY A QUALIFIED TESTING AGENCY, FOR EACH ACOUSTICAL PANEL CEILING.
G.	MAINTENANCE DATA: FOR FINISHES TO INCLUDE IN MAINTENANCE MANUALS.
1.3	QUALITY ASSURANCE
A.	ACOUSTICAL PANEL QUALITY STANDARD: ASTM E 1264.
B.	METAL SUSPENSION SYSTEM QUALITY STANDARD: ASTM C 635.
1.4	MATERIALS
A.	ACOUSTICAL CEILING PANELS GENERAL: MUST BE CERTIFIED AS LOW EMITTING. CERTIFICATION MUST BE BASED UPON THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES' "STANDARD PRACTICE FOR THE TESTING OF VOLATILE ORGANIC EMISSIONS FROM VARIOUS SOURCES USING SMALL-SCALE ENVIRONMENTAL CHAMBERS", INCLUDING 2004 ADDENDA OR A JURISDICTIONALLY RECOGNIZED STANDARD USING EQUIVALENT TESTING METHODOLOGIES AND VOC THRESHOLDS.
B.	ACOUSTICAL CEILING PANELS WASHABLE
1.	CLASSIFICATION: TYPE IV, MINERAL BASE WITH MEMBRANE-FACED OVERLAY; FORM 2, WATER FELTED; WITH VINYL OVERLAY ON FACE; PATTERN G (SMOOTH).
2.	COLOR: AS INDICATED ON DRAWINGS.
3.	THICKNESS: 5/8 INCH (15 MM).
4.	MODULAR SIZE: 24 BY 48 INCHES (610 BY 1220 MM).
5.	BROAD SPECTRUM ANTIMICROBIAL FUNGICIDE AND BACTERICIDE TREATMENT: PROVIDE ACOUSTICAL TILES TREATED WITH MANUFACTURER'S STANDARD ANTIMICROBIAL FORMULATION THAT INHIBITS FUNGUS, MOLD, MILDEW, AND GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA AND SHOWING NO MOLD, MILDEW, OR BACTERIAL GROWTH WHEN TESTED ACCORDING TO ASTM D 3273 AND EVALUATED ACCORDING TO ASTM D 3274 OR ASTM G 21.
C.	ACOUSTICAL CEILING PANELS TEXTURED:
1.	CLASSIFICATION: TYPE III, MINERAL BASE WITH PAINTED FINISH; FORM 2, WATER FELTED; PATTERN E (LIGHTLY TEXTURED).
2.	COLOR: AS INDICATED ON DRAWINGS.
3.	THICKNESS: 5/8 INCH (15 MM).
4.	MODULAR SIZE: 24 BY 48 INCHES (610 BY 1220 MM).
5.	BROAD SPECTRUM ANTIMICROBIAL FUNGICIDE AND BACTERICIDE TREATMENT: PROVIDE ACOUSTICAL TILES TREATED WITH MANUFACTURER'S STANDARD ANTIMICROBIAL FORMULATION THAT INHIBITS FUNGUS, MOLD, MILDEW, AND GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA AND SHOWING NO MOLD, MILDEW, OR BACTERIAL GROWTH WHEN TESTED ACCORDING TO ASTM D 3273 AND EVALUATED ACCORDING TO ASTM D 3274 OR ASTM G 21.
D.	ACOUSTICAL CEILING PANELS PERFORATED:
1.	CLASSIFICATION: TYPE III, MINERAL BASE WITH PAINTED FINISH; FORM 2, WATER FELTED; PATTERN CE (PERFORATED, SMALL HOLES AND LIGHTLY TEXTURED).
2.	COLOR: AS INDICATED ON DRAWINGS.
3.	THICKNESS: 3/4 INCH (15 MM).
4.	MODULAR SIZE: 24 BY 48 INCHES (610 BY 1220 MM).
5.	BROAD SPECTRUM ANTIMICROBIAL FUNGICIDE AND BACTERICIDE TREATMENT: PROVIDE ACOUSTICAL TILES TREATED WITH MANUFACTURER'S STANDARD ANTIMICROBIAL FORMULATION THAT INHIBITS FUNGUS, MOLD, MILDEW, AND GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA AND SHOWING NO MOLD, MILDEW, OR BACTERIAL GROWTH WHEN TESTED ACCORDING TO ASTM D 3273 AND EVALUATED ACCORDING TO ASTM D 3274 OR ASTM G 21.
E.	METAL SUSPENSION SYSTEMS:
1.	WIDE-FACE, CAPPED, DOUBLE-WEB STEEL: INTERMEDIATE DUTY.
F.	METAL EDGE MOLDINGS AND TRIM: ROLL-FORMED SHEET METAL.
1.5	INSTALLATION
A.	INSTALLATION: [ASTM C 636] [UBC STANDARD 25-2]
1.6	FIELD QUALITY CONTROL
A.	TESTING: BY [OWNER] [CONTRACTOR]-ENGAGED AGENCY TO TEST ACOUSTICAL PANEL CEILING HANGER FASTENERS.
END OF SECTION 095113	

FINISHES (CONTINUED)

SECTION 096516 - RESILIENT SHEET FLOORING	
1.1	PRODUCTS
A.	FLOORING SYSTEM: FLOORSCORE COMPLIANCE.
B.	VINYL SHEET FLOORING:
1.	BACKING: NONE, UNBACKED [NONFOAMED PLASTIC] [FOAMED PLASTIC]
2.	SEAMLESS-INSTALLATION METHOD: HEAT WELDED.
C.	RUBBER SHEET FLOORING:
1.	BACKING: NONE, UNBACKED.
2.	SEAMLESS-INSTALLATION METHOD: HEAT WELDED.
D.	INSTALLATION MATERIALS:
E.	TROWELABLE LEVELING AND PATCHING COMPOUNDS: LATEX-MODIFIED, PORTLAND CEMENT BASED OR BLENDED HYDRAULIC-CEMENT-BASED FORMULATION PROVIDED OR APPROVED BY RESILIENT SHEET FLOORING MANUFACTURER FOR APPLICATIONS INDICATED.
F.	ADHESIVES: WATER-RESISTANT TYPE RECOMMENDED BY FLOORING AND ADHESIVE MANUFACTURERS TO SUIT RESILIENT SHEET FLOORING AND SUBSTRATE CONDITIONS INDICATED.
1.	VINYL SHEET ADHESIVES SHALL HAVE A VOC CONTENT OF 50 G/L OR LESS.
2.	RUBBER SHEET ADHESIVES SHALL HAVE A VOC CONTENT OF 60 G/L OR LESS.
G.	INTEGRAL-FLASH-COVE-BASE ACCESSORIES:
1.	COVE STRIP: 1 INCH (25 MM) RADIUS PROVIDED OR APPROVED BY RESILIENT SHEET FLOORING MANUFACTURER.
2.	CAP STRIP: [SQUARE METAL VINYL OR RUBBER CAP] [TAPERED VINYL CAP] <INSERT REQUIREMENTS> PROVIDED OR APPROVED BY RESILIENT SHEET FLOORING MANUFACTURER.
3.	FLOOR POLISH: PROVIDE PROTECTIVE, LIQUID FLOOR-POLISH PRODUCTS RECOMMENDED BY RESILIENT SHEET FLOORING MANUFACTURER.
END OF SECTION 096516	

SECTION 097200 - WALL COVERINGS

1.1	SUMMARY
A.	VINYL AND WOVEN GLASS-FIBER WALL COVERING.
1.2	MATERIALS
A.	ADHESIVE: MILDEW-RESISTANT, NONSTAINING, STRIPPABLE ADHESIVE, FOR USE WITH SPECIFIC WALL COVERING AND SUBSTRATE APPLICATION, AS RECOMMENDED IN WRITING BY WALL-COVERING MANUFACTURER, AND WITH A VOC CONTENT OF 50 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).
1.3	INSTALLATION
A.	INSTALL STRIPS IN SAME ORDER AS CUT FROM ROLL.
END OF SECTION 097200	

SECTION 099123 - INTERIOR PAINTING

1.1	SUMMARY
A.	SURFACE PREPARATION AND THE APPLICATION OF PAINT SYSTEMS ON INTERIOR SUBSTRATES.
1.2	SUBMITTALS
A.	SAMPLES FOR VERIFICATION:
1.	FOR EACH NON-STANDARD LATEX TOPCOAT COLOR AND GLOSS INDICATED.
2.	FOR EACH TYPE OF NON-STANDARD PAINT SYSTEM AND IN EACH COLOR AND GLOSS OF TOPCOAT INDICATED.
1.3	QUALITY ASSURANCE
A.	QUALITY STANDARDS: "MPI APPROVED PRODUCTS LIST" AND "MPI ARCHITECTURAL PAINTING SPECIFICATION MANUAL."
B.	MOCKUPS FOR EACH COLOR AND FINISH.
1.4	GENERAL
A.	VOC CONTENT: PRODUCTS SHALL COMPLY WITH VOC LIMITS OF AUTHORITIES HAVING JURISDICTION (AND, FOR INTERIOR PAINTS AND COATINGS APPLIED AT PROJECT SITE, THE FOLLOWING VOC LIMITS, EXCLUSIVE OF COLORANTS ADDED TO A TINT BASE, WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24)).
1.	FLAT PAINTS AND COATINGS: 50 G/L.
2.	NONFLAT PAINTS AND COATINGS: 150 G/L.
3.	DRY-FOG COATINGS: 400 G/L.
4.	PRIMERS, SEALERS, AND UNDERCOATERS: 200 G/L.
5.	ANTICORROSIVE AND ANTIRUST PAINTS APPLIED TO FERROUS METALS: 250 G/L.
6.	ZINC-RICH INDUSTRIAL MAINTENANCE PRIMERS: 340 G/L.
7.	PRETREATMENT WASH PRIMERS: 420 G/L.
8.	FLOOR COATINGS: 100 G/L.
9.	SHELLACS, CLEAR: 730 G/L.
10.	SHELLACS, PIGMENTED: 550 G/L.
1.5	INTERIOR PAINTING SCHEDULE
A.	STEEL SUBSTRATES:
1.	INSTITUTIONAL LOW-ODOR/VOC LATEX SYSTEM:
a.	PRIME COAT: PRIMER, RUST-INHIBITIVE, WATER BASED.
b.	TOPCOAT: INSTITUTIONAL LOW-ODOR/VOC INTERIOR LATEX (GLOSS LEVEL AS INDICATED IN PAINT SCHEDULE).
B.	GALVANIZED-METAL SUBSTRATES:
1.	INSTITUTIONAL LOW-ODOR/VOC LATEX SYSTEM:
a.	PRIME COAT: PRIMER, GALVANIZED, WATER BASED.
b.	TOPCOAT: LATEX, INTERIOR, INSTITUTIONAL LOW ODOR/VOC, (GLOSS LEVEL AS INDICATED IN PAINT SCHEDULE).
C.	WOOD SUBSTRATES:
1.	INSTITUTIONAL LOW-ODOR/VOC LATEX SYSTEM:
a.	PRIME COAT: INTERIOR LATEX PRIMER/SEALER.
b.	TOPCOAT: INSTITUTIONAL LOW-ODOR/VOC INTERIOR LATEX (GLOSS LEVEL AS INDICATED IN PAINT SCHEDULE).
D.	GYPSUM BOARD SUBSTRATES:
1.	INSTITUTIONAL LOW-ODOR/VOC LATEX SYSTEM:
a.	PRIME COAT: INTERIOR LATEX PRIMER/SEALER.
b.	TOPCOAT: INSTITUTIONAL LOW-ODOR/VOC INTERIOR LATEX (GLOSS LEVEL AS INDICATED IN PAINT SCHEDULE).
E.	HIGH-IMPACT GYPSUM BOARD SUBSTRATES:
1.	HIGH-PERFORMANCE ARCHITECTURAL LATEX SYSTEM:
a.	PRIME COAT: INTERIOR LATEX PRIMER/SEALER.
b.	TOPCOAT: INSTITUTIONAL LOW-ODOR/VOC INTERIOR LATEX (GLOSS LEVEL AS INDICATED IN PAINT SCHEDULE).
F.	PLASTER SUBSTRATES:
1.	INSTITUTIONAL LOW-ODOR/VOC LATEX SYSTEM:
a.	PRIME COAT: INTERIOR LATEX PRIMER/SEALER.
b.	TOPCOAT: INSTITUTIONAL LOW-ODOR/VOC INTERIOR LATEX (GLOSS LEVEL AS INDICATED IN PAINT SCHEDULE).
G.	ACOUSTICAL CEILING TILE:
1.	INSTITUTIONAL LOW-ODOR/VOC LATEX SYSTEM:
a.	PRIME COAT: INTERIOR LATEX PRIMER/SEALER.
b.	TOPCOAT: INSTITUTIONAL LOW-ODOR/VOC INTERIOR LATEX (GLOSS LEVEL AS INDICATED IN PAINT SCHEDULE).
END OF SECTION 099123	

FINISHES (CONTINUED)

SECTION 09930 - WOOD STAINS AND TRANSPARENT FINISHES	
1.1	SUMMARY
A.	SURFACE PREPARATION AND APPLICATION OF WOOD FINISHES ON [EXTERIOR] [AND] [INTERIOR] SUBSTRATES.
1.2	SUBMITTALS
A.	SAMPLES FOR VERIFICATION: FOR EACH TYPE OF FINISH SYSTEM AND IN EACH COLOR AND GLOSS OF FINISH INDICATED.
1.3	QUALITY ASSURANCE
A.	QUALITY STANDARDS: "MPI APPROVED PRODUCTS LIST" AND "MPI ARCHITECTURAL PAINTING SPECIFICATION MANUAL."
1.4	GENERAL
A.	CHEMICAL COMPONENTS OF FIELD-APPLIED INTERIOR PAINTS AND COATINGS:
1.	VOC LIMITS:
a.	CLEAR WOOD FINISHES, VARNISHES: VOC NOT MORE THAN 350 G/L.
b.	SHELLACS, CLEAR: VOC NOT MORE THAN 730 G/L.
c.	STAINS: VOC NOT MORE THAN 250 G/L.
d.	PRIMERS, SEALERS, AND UNDERCOATERS: 200 G/L.
e.	FIRE RETARDANT COATINGS, CLEAR: 650 G/L.
f.	FIRE RETARDANT COATINGS, PIGMENTED: 350 G/L.
1.5	EXTERIOR WOOD-FINISH-SYSTEM SCHEDULE
A.	SOLID-COLOR LATEX STAIN SYSTEM: MPI EXT 6.3K.
1.	PRIME COAT: PRIMER, LATEX FOR EXTERIOR WOOD.
2.	INTERMEDIATE COAT: STAIN, EXTERIOR, WATER BASED, SOLID HIDE, MATCHING TOPCOAT.
3.	TOPCOAT: STAIN, EXTERIOR, WATER BASED, SOLID HIDE.
B.	SEMITRANSSPARENT STAIN SYSTEM: MPI EXT 6.3D.
1.	TWO STAIN COATS: EXTERIOR SEMITRANSSPARENT LATEX STAIN.
1.6	INTERIOR WOOD-FINISH-SYSTEM SCHEDULE
A.	SEMITRANSSPARENT STAIN SYSTEM:
1.	PRIME COAT: STAIN, SEMI-TRANSPARENT, MATCHING TOPCOAT.
2.	TOPCOAT: STAIN, SEMI-TRANSPARENT, FOR INTERIOR WOOD.
B.	WATER-BASED VARNISH SYSTEM:
a.	PRIME COAT: WATER-BASED VARNISH MATCHING TOPCOAT.
b.	INTERMEDIATE COAT: WATER-BASED VARNISH MATCHING TOPCOAT.
c.	TOPCOAT: VARNISH, WATER BASED, CLEAR.
C.	WATER-BASED FIRE RETARDANT SYSTEM:
a.	TOPCOAT: FIRE RETARDANT COATING, CLEAR.
1.	CLASS A FLAME SPREAD AND SMOKE-DEVELOPED INDEX PER ASTM E 84.
END OF SECTION 09930	



STARBUCKS COFFEE  
COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS

325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2421 www.norr.com

ENGINEER OF RECORD



William J. Alkenmeyer, P.E.  
363 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108

Engineering Consultant

Revision Schedule

Rev	Date	By	Description
1	10.17.13		Revision 1

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #:	2678
PROJECT #:	14516-022
CONCEPT:	NCS
PALETTE:	HERITAGE
ISSUE DATE:	10.17.13
DESIGN MANAGER:	S. RYCHLIK
LEED® AP:	N/A
PRODUCTION DESIGNER:	C. ALINOVICH, NORR
CHECKED BY:	K. GORIN, NORR

SHEET TITLE:

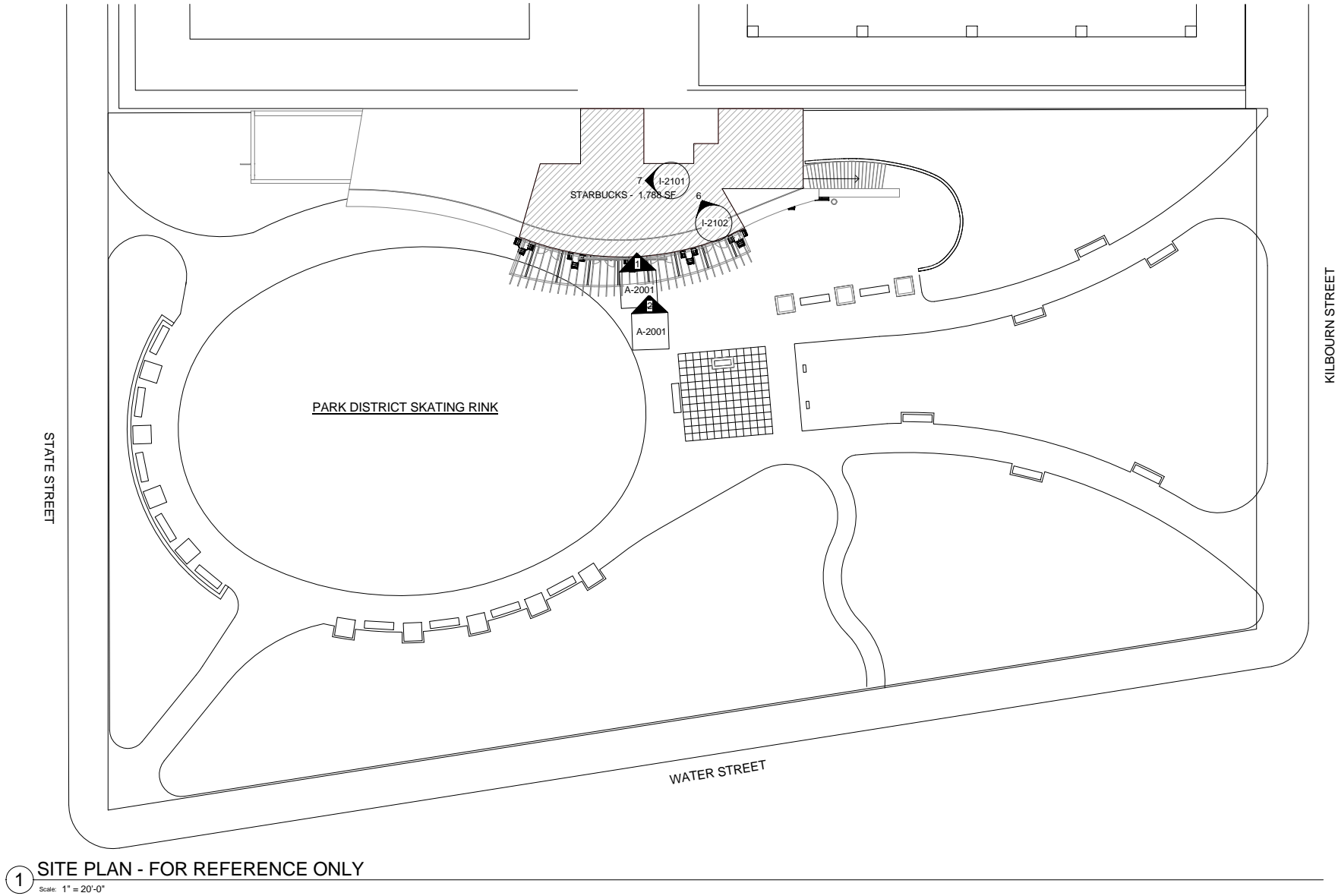
**DESIGN  
SPECIFICATIONS**

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

SHEET NUMBER:

G-0012

10/17/2013 11:34:56 AM Y:\WI - Red Arrow - Water & State\drawings\arch\Red Arrow\_Casework Rev\_2013 10 15.rvt



1 SITE PLAN - FOR REFERENCE ONLY  
Scale: 1" = 20'-0"



STARBUCKS COFFEE  
COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**

ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD



Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

SHEET TITLE:

**ARCHITECTURAL SITE  
PLAN**

SCALE: 1" = 20'-0"

SHEET NUMBER:

**A-1001**



SIGNAGE SCHEDULE - "S"					
DESIGN ID	COUNT	DESCRIPTION	RESP.	BULB	COMMENTS
SIGNAGE - DISK					
13163	2	SIGN - DISK SF ILLUMINATED FLUSH MOUNTED EVOLVED - 48IN 1220MM	SB	LED	BY HILTON DISPLAYS. TRACIE GESEL. 864.233.0401. TRACIEGESEL@HILTONDISPLAYS.COM

ALLOWED SIGNAGE RQMTS:

South Elevation  
Allowed Signage: 32 SF  
Proposed Signage: 32 SF

PROPOSED SIGNAGE:

Logo Disk - ID: 13163 (Qty: 2)  
Area: 16 SF (Internally Illuminated Inline)  
Height: 48in

Proposed Signage Total Area: 32F

SHEET NOTES

1. INSTALL NEW FLUSH MOUNTED, 48IN LOGO DISK.
2. EXISTING GREEN CHANNEL LETTERS TO REMAIN.

EXTERIOR ELEVATION NOTES

A. GENERAL CONTRACTOR TO COORDINATE AND SCHEDULE SIGNAGE INSTALLATION WITH THE SIGNAGE CONTRACTOR PROVIDING A MINIMUM SCHEDULING NOTICE OF 4 WEEKS AND 1 WEEK PRIOR TO SCHEDULED DATE OF INSTALLATION. STARBUCKS CONSTRUCTION MANAGER TO PROVIDE GENERAL CONTRACTOR WITH SIGNAGE CONTRACTOR CONTACT INFORMATION.

B. GENERAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ELECTRICAL CIRCUITS INCLUDING ALL CONDUIT, WIRE, CONNECTIONS, AND BREAKER AT PANEL BOARD NECESSARY TO SERVE SIGNAGE.

C. GENERAL CONTRACTOR TO PROVIDE FIRE TREATED WOOD STUD BLOCKING, OR EQUIVALENT TO SUPPORT SIGNAGE.

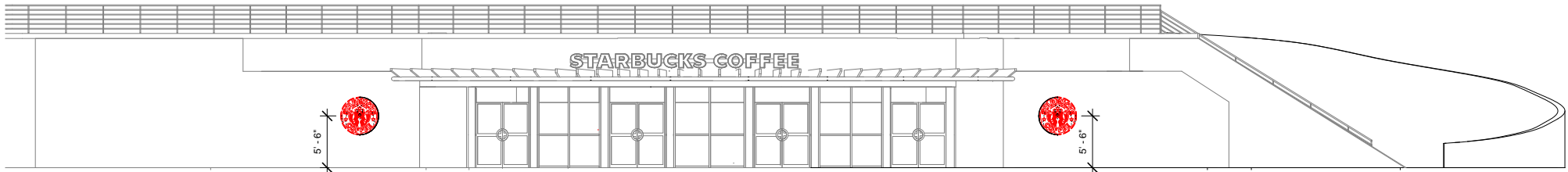
D. SIGNAGE CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ANY AND ALL ALLOWABLE MONUMENT OR POLE SIGNAGE WITH LANDLORD AND PROVIDE SHOP DRAWING(S) PRIOR TO FABRICATION TO STARBUCKS DESIGNER FOR APPROVAL.

E. SIGNAGE CONTRACTOR TO INSTALL SIGNAGE IN COMPLIANCE WITH LOCAL CODES AND OBTAIN PERMIT AND LANDLORD APPROVAL.

F. SIGNAGE CONTRACTOR TO SUPPLY SHOP DRAWINGS TO STARBUCKS CONSTRUCTION MANAGER AND TO THE GENERAL CONTRACTOR AS NEEDED. GENERAL CONTRACTOR TO NOTIFY STARBUCKS CONSTRUCTION MANAGER IMMEDIATELY IF SHOP DRAWINGS OR INSTALLATION IS IN DISCREPANCY WITH STARBUCKS ARCHITECTURAL DRAWINGS.

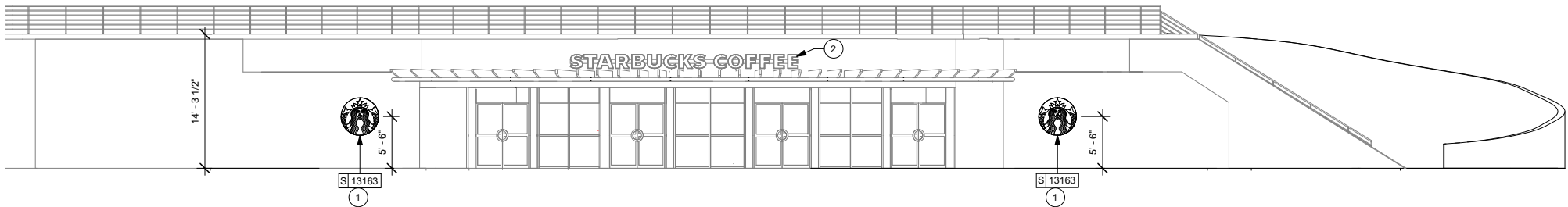
G. GENERAL CONTRACTOR TO CLEAN, PATCH AND REPAIR EXISTING EXTERIOR AS REQUIRED.

H. SEE SCHEDULE SHEETS FOR SIGNAGE SCHEDULE.



1 EXISTING EXTERIOR ELEVATION -FOR REFERENCE

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



2 ELEVATION AT ENTRY

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



©2011 STARBUCKS COFFEE COMPANY

STARBUCKS COFFEE COMPANY

2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

NORR

ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD



William J. Alkemeyer, P.E.  
353 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108

Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678

PROJECT #: 14516-022

CONCEPT: NCS

PALETTE: HERITAGE

ISSUE DATE: 10.17.13

DESIGN MANAGER: S. RYCHLIK

LEED® AP: N/A

PRODUCTION DESIGNER: C. ALINOVICH, NORR

CHECKED BY: K. GORIN, NORR

SHEET TITLE:

EXTERIOR ELEVATIONS

SCALE: As indicated

SHEET NUMBER:

A-2001



10/17/2013 11:49:31 AM Y:\WI - Red Arrow - Water & State\existing conditions\drawings\Red Arrow\_Existing Conditions\_2013 06 18.rvt

ITEM TO PRESERVE:

- AA. ESPRESSO MACHIENS (2)  
BB. DOUBLE BREWER  
CC. WARMING SHUTTLES (2)  
DD. POS EQUIPMENT  
EE. BLENDERS (2)  
FF. ICE MACHINE  
GG. MOP SINK  
HH. WATER FILTRATION SYSTEM  
II. METRO STORAGE (7)  
JJ. 1-DR FREEZER (1)  
KK. 2-DR FRIDGE (1)  
LL. LOCKERS  
MM. COAT HOOK  
NN. FIRE EXTINGUISHER  
OO. THERMOSTAT/SECURITY  
PP. ELECTRIC PANELS  
QQ. FIREPLACE  
RR. ATM MACHINES  
SS. LOCKERS  
TT. SKATE RENTAL COUNTER  
UU. TRASH CANS  
VV. WATER FOUNTAIN  
WW. MERCH BASKETS/CUBES  
XX. NEWSPAPER STAND  
YY. GRINDER  
ZZ. UNDERCOUNTER REFRIGERATORS  
AAA. SANITIZER

ITEMS TO DEMOLISH:

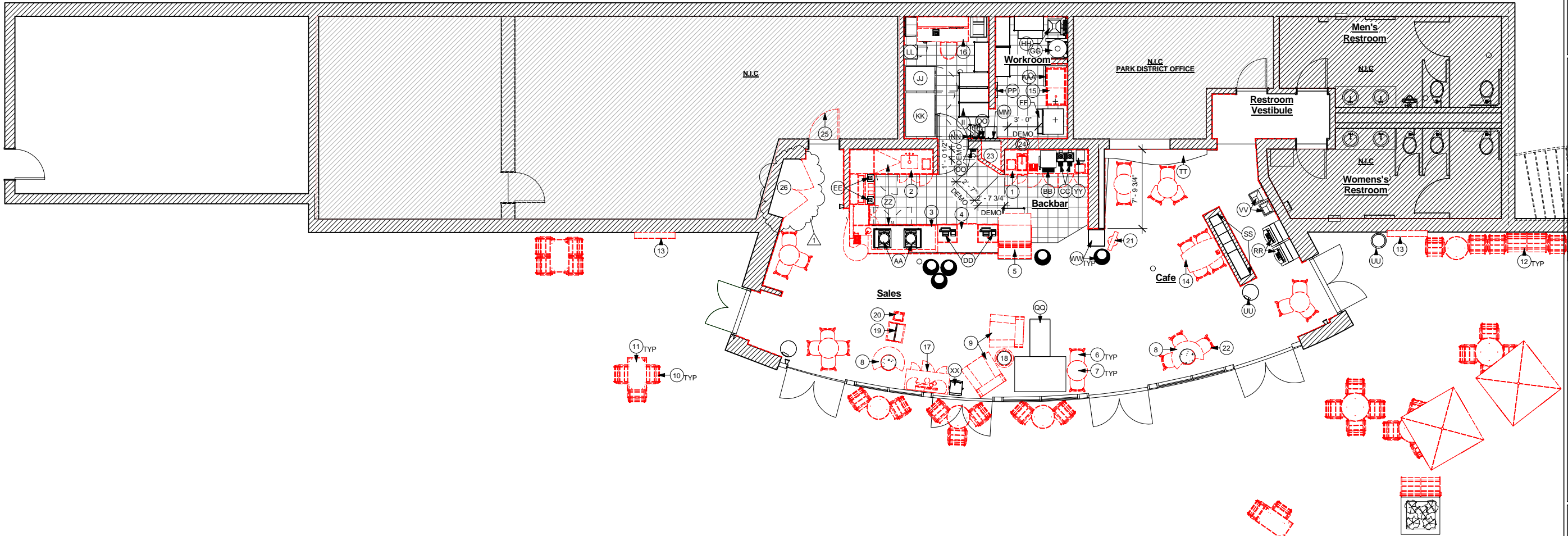
1. BREW STATION/CASEWORK  
2. OBS STATION/CASEWORK  
3. ESPRESSO STATION/CASEWORK  
4. POS STATION/CASEWORK  
5. PASTRY CASE  
6. CAFE CHAIRS  
7. CAFE TABLES  
8. COLUMN COUNTERS  
9. SOFT SEATING  
10. OUTDOOR CHAIRS  
11. OUTDOOR TABLES  
12. OUTDOOR BENCHES  
13. LOGO DISK  
14. ADA TABLE  
15. 1-COMP SINK  
16. MANAGER'S DESK, SHELVEING, RACK  
17. CONDIMENT CART  
18. SIDE TABLE  
19. COFFEE STAND  
20. PROMOTIONAL RACK  
21. BANNER STAND  
22. BAR HEIGHT CHAIR

SHEET NOTES

23. GC TO VERIFY IN FIELD PRIOR TO DEMOLITION IF CHASE CAN BE DEMOLISHED.  
24. GC TO VERIFY IF WALL IS LOAD-BEARING AT PRE-BID. CONTACT ARCHITECT IMMEDIATELY IF REINFORCEMENT SHORING IS REQUIRED.  
25. GC TO DEMO DOOR AND FRAME. PREP OPENING FOR INFILL.  
26. GC TO DEMO SWING DOOR AND FRAME. PREP OPENING FOR BYPASS DOORS.

DEMOLITION PLAN NOTES

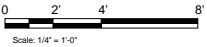
- A. IF DURING DEMOLITION CONDITIONS ARE REVEALED THAT MAY JEOPARDIZE INTEGRITY OF STRUCTURE OR PRECLUDE FOLLOWING DESIGN INTENT, GENERAL CONTRACTOR TO NOTIFY STARBUCKS CONSTRUCTION MANAGER IMMEDIATELY.  
B. GENERAL CONTRACTOR RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO DEMOLITION TO REVEAL FULL SCOPE OF WORK.  
C. EXISTING WALLS TO REMAIN. PATCH AND REPAIR AS REQUIRED TO PROVIDE A SMOOTH, PAINT READY FINISH.  
D. DEMOLISH EXISTING WALLS AND DOORS AS NECESSARY.  
E. DEMOLISH EXISTING FLOOR FINISHES AS NECESSARY. REPAIR OR REPLACE SUB-FLOOR AS REQUIRED TO PROVIDE AN EVEN WALKING SURFACE/FINISH FLOOR CONDITION.  
F. DEMOLISH EXISTING GYPSUM WALL BOARD, CEILING TILE, GRID AND/OR OTHER CEILING FINISH AS NECESSARY TO PROVIDE FOR NEW CEILING READY CONDITION.  
G. DEMOLISH EXISTING WALL FINISHES AS NECESSARY.  
H. REMOVE EXISTING LIGHT FIXTURES, AUXILIARY EQUIPMENT/FIXTURES AND POWER LINES AS NECESSARY.  
J. REMOVE EXISTING PLUMBING FIXTURES AS NECESSARY. CAP LINES AS NECESSARY FOR THOSE NOT BEING RE-USED.  
K. REMOVE EXTRANEIOUS EQUIPMENT AS NECESSARY.  
L. GENERAL CONTRACTOR TO NOTIFY ARCHITECT OF SIZE OF EXISTING RESTROOM AND LOCATION AND CONDITION OF FIXTURES PRIOR TO DEMOLITION OR CONSTRUCTION. PLUMBING FIXTURES TO BE RE-USED ARE TO BE REMOVED AND PROPERLY STORED FOR RE-INSTALLATION.



1 DEMOLITION FLOOR PLAN  
Scale: 3/16" = 1'-0"

WALL LEGEND - DEMO PLAN

- MATERIAL TO BE DEMOLISHED  
===== EXISTING WALL TO REMAIN  
===== EXISTING COLUMN TO REMAIN



STARBUCKS COFFEE  
COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD

  
William J. Alkemeyer, P.E.  
353 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108  
Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

SHEET TITLE:  
**DEMOLITION FLOOR  
PLAN**

SCALE: As indicated

SHEET NUMBER:  
**I-1101**

10/17/2013 11:49:32 AM Y:\WI - Red Arrow - Water & State\existing conditions\drawings\Red Arrow\_Existing Conditions\_2013 06 18.rvt

3

DEMOLITION CEILING PLAN

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

ITEM TO PRESERVE:

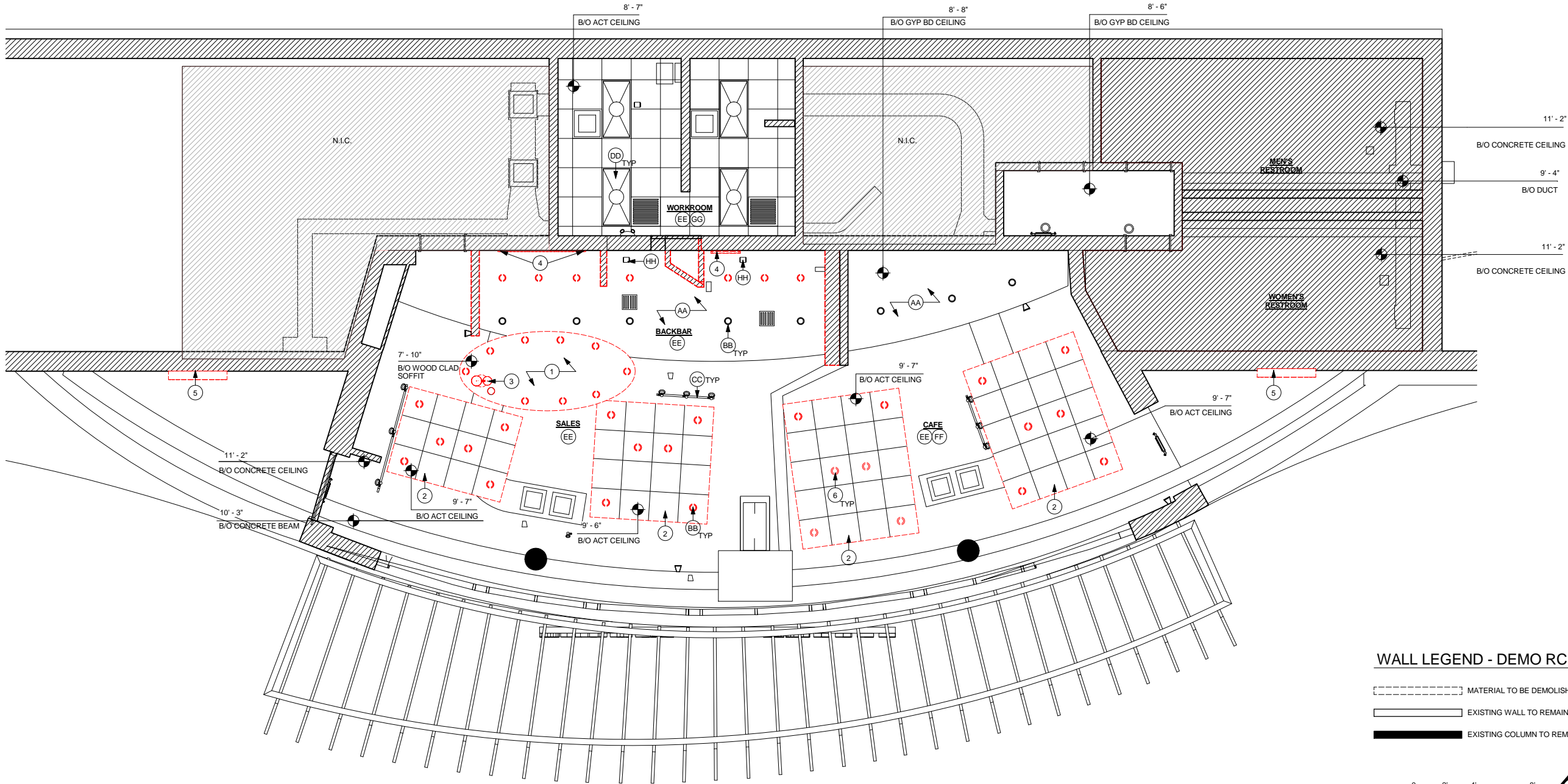
- AA. BACKBAR GYP BOARD SOFFIT  
BB. RECESSED CAN LIGHTING  
CC. TRACK LIGHT HEADS & TRACK  
DD. 2x4 TROFFER LIGHTS  
EE. HVAC DUCTS & VENTS  
FF. SPEAKERS  
GG. 2x2 WORKROOM ACT CEILING  
HH. SECURITY CAMERA

ITEMS TO DEMOLISH:

1. GYP BOARD SOFFIT  
2. SUSPENDED 2x2 ACT PANELS  
3. DECORATIVE HANDOFF PLANE PENDANT  
4. MENU BOARDS  
5. LOGO DISK

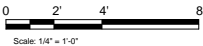
DEMOLITION RCP NOTES

- A. IF DURING DEMOLITION CONDITIONS ARE REVEALED THAT MAY JEOPARDIZE INTEGRITY OF STRUCTURE OR PRECLUDE FOLLOWING DESIGN INTENT, GENERAL CONTRACTOR TO NOTIFY STARBUCKS CONSTRUCTION MANAGER IMMEDIATELY.
- B. GENERAL CONTRACTOR RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO DEMOLITION TO REVEAL FULL SCOPE OF WORK.
- C. EXISTING WALLS TO REMAIN. PATCH AND REPAIR AS REQUIRED TO PROVIDE A SMOOTH, PAINT READY FINISH.
- D. DEMOLISH EXISTING GYPSUM WALL BOARD, CEILING TILE, GRID AND/OR OTHER CEILING FINISH AS NECESSARY TO PROVIDE FOR NEW CEILING READY CONDITION.
- E. DEMOLISH EXISTING WALL FINISHES AS NECESSARY.
- F. REMOVE EXISTING LIGHT FIXTURES, AUXILIARY EQUIPMENT/FIXTURES AND POWER LINES AS NECESSARY.
- G. REMOVE EXTRANEOUS EQUIPMENT AS NECESSARY.



WALL LEGEND - DEMO RCP

- MATERIAL TO BE DEMOLISHED
- EXISTING WALL TO REMAIN
- EXISTING COLUMN TO REMAIN



STARBUCKS COFFEE  
COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
1 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD

  
William J. Alkemeyer, P.E.  
353 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108  
Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

SHEET TITLE:  
**DEMOLITION CEILING  
PLAN**

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

SHEET NUMBER:  
**I-1102**

WALL TYPE LEGEND

- 1

Existing Wall
- 6

New Plumbing Wall to Structure

20 Ga 6" (152 mm) metal studs 16" (406 mm) O.C. with 5/8" (16 mm) moisture resistant gypsum board on both sides to structure above. Secure moisture resistant gypsum board to studs with drywall screws at 10" (254 mm) O.C. at panel edges and 12" (305 mm) O.C. at intermediate supports.
- 7

New Plumbing Wall 6" (152mm) Above Ceiling

20 Ga 6" (152 mm) metal studs 16" (406 mm) O.C. with 5/8" (16 mm) moisture resistant gypsum board on both sides to minimum 6" (152 mm) above ceiling. Secure moisture resistant gypsum board to studs with drywall screws at 10" (254 mm) O.C. at panel edges and 12" (305 mm) O.C. at intermediate supports. 45 degree metal stud reinforcement @ 48" (1219 mm) O.C. above ceiling line to structure above.
- 8

New Furred Plumbing Wall to 6" (152mm) Above Ceiling

20 Ga 6" (152 mm) metal studs 16" (406 mm) O.C. with 5/8" (16 mm) moisture resistant gypsum board to ceiling. Secure moisture resistant gypsum board to studs with drywall screws at 10" (254 mm) O.C. at panel edges and 12" (305 mm) O.C. at intermediate supports. 45 degree metal stud reinforcement @ 48" (1219 mm) O.C. above ceiling line to structure above.
- 9

NEW FURRED WALL TO 6" (152MM) ABOVE CEILING

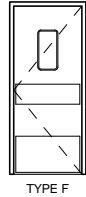
20 GA 6" (152 MM) METAL STUDS 16" (406 MM) O.C. WITH 5/8" (16 MM) MOISTURE RESISTANT GYPSUM BOARD TO CEILING. SECURE MOISTURE RESISTANT GYPSUM BOARD TO STUDS WITH DRYWALL SCREWS AT 10" (254 MM) O.C. AT PANEL EDGES AND 12" (305 MM) O.C. AT INTERMEDIATE SUPPORTS. 45 DEGREE METAL STUD REINFORCEMENT @ 48" (1219 MM) O.C. ABOVE CEILING LINE TO STRUCTURE ABOVE.

WALL BLOCKING KEY

Symbol	Item	Weight	Height	Approximate Width
A	Shelves Above 3-Comp Sink	200LBS	5'-8" to 6'-0"	6'-0" Centered Above 3-Comp Sink
B	Shelves and Data Rack at Manager's Desk	300LBS	1/2" ACX Plywood	7'-0" Centered Above Manager's Desk and Data Rack
C	Upper Storage (Cubby) Cabinets at Backbar	300LBS	6'-1" to 7'-10"	Extent of Backbar Upper Casework

Provide fire treated 2x6 or 2x8 wood stud blocking as required to support any wall attachments.

DOOR TYPE & HARDWARE LEGEND



DOOR HARDWARE

SET #11  
(1) ELIASON DOOR PACKAGED WITH HARDWARE. (VD)

DOOR SCHEDULE - "D"				
DESIGN ID	COUNT	DESCRIPTION	RESP.	COMMENTS
X0030	1	COMMERCIAL GRADE BYPASS DOOR	GCVD	COMMERCIAL GRADE SLIDING BYPASS DOOR WITH ALUMINUM TRACK AND FASCIA, 2-DR CONFIGURATION, MODEL 138F. DOOR THICKNESS: 1-3/8". BRONZE ANODIZED TRACK AND HARDWARE. STAIN TO MATCH WD0001. JOHNSON HARDWARE. WWW.JOHNSONHARDWARE.COM. T: 800.837.5664. INFO@JOHNSONHARDWARE.COM
DOOR				
10086	1	DOOR - SINGLE IMPACT DOUBLE ACTING - 36IN 915MM	VD	LOCKNET. ELIASON DOOR WITH HARDWARE. FINISH WILSONART PL0014 - MONTANA WALNUT.

FLOOR PLAN NOTES

- A. GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY STARBUCKS CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. ALL DIMENSIONS TO BE TAKEN FROM DESIGNATED DATUM POINT.
- B. IF EXISTING EXTERIOR ENTRANCE THRESHOLD EXCEEDS REQUIRED AMERICAN'S WITH DISABILITY ACT (ADA) MAXIMUM HEIGHT OF 1/2" (10MM), REMOVE AND REPLACE WITH ACCESSIBLE THRESHOLD. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT ACCESSIBLE DOORWAYS TO BE BEVELED WITH A SLOPE NO GREATER THAN 1:12.
- C. GENERAL CONTRACTOR TO PROVIDE FIRE TREATED WOOD STUD BLOCKING, OR EQUIVALENT TO SUPPORT ANY WALL ATTACHMENT AND/OR SIGNAGE.
- D. ALL DOORS TO PROVIDE 3'-6" (900MM) MINIMUM CLEAR OPENING WHEN OPENED TO 90 DEGREE POSITION UNLESS OTHERWISE NOTED.
- E. VERIFY ALL EXISTING DOORS, HARDWARE AND FRAMES MEET STARBUCKS AND/OR CODE REQUIREMENTS.
- F. INSTALL 1/4" (6MM) GREEN BOARD ON BACKBAR WALL PER SPECIFICATION.

SHEET NOTES

- INSTALL 5/8" TILE BACKER BOARD ON BACKBAR WALL.
- CONSTRUCT NEW FULL-HEIGHT WALL WHERE INDICATED.
- NEW ELIASON DOOR
- NEW BYPASS DOOR AT STORAGE.
- PATCH, REPAIR, AND PAINT WALL AS REQUIRED.
- REVERSE DOOR SWING WHERE INDICATED.



STARBUCKS COFFEE COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
1 312.424.2400 | 1 312.424.2424 | www.norr.com

ENGINEER OF RECORD



Engineering Consultant

Revision Schedule

Rev	Date	By	Description
1	10.17.13		Revision 1

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

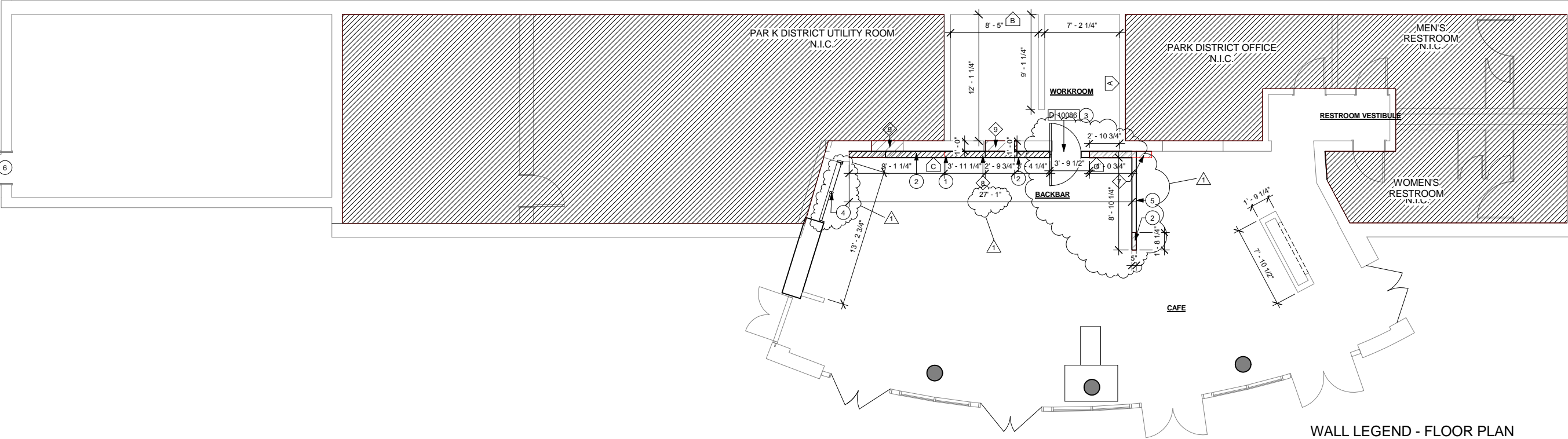
SHEET TITLE:

FLOOR PLAN

SCALE: As indicated

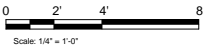
SHEET NUMBER:

I-1103



WALL LEGEND - FLOOR PLAN

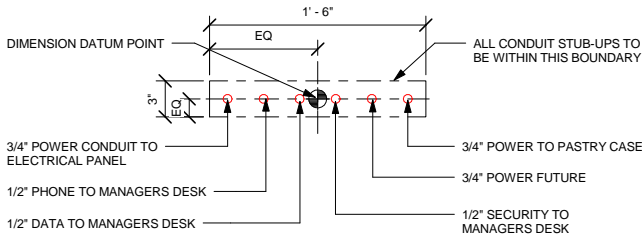
- NEW FULL HEIGHT WALL
- NEW PARTIAL HEIGHT WALL
- EXISTING WALL
- EXISTING COLUMN



FLOOR PLAN

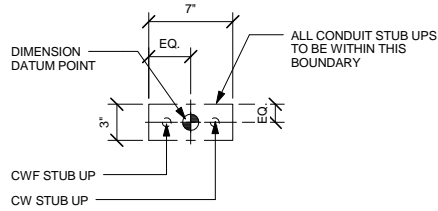
Scale: 3/16" = 1'-0"





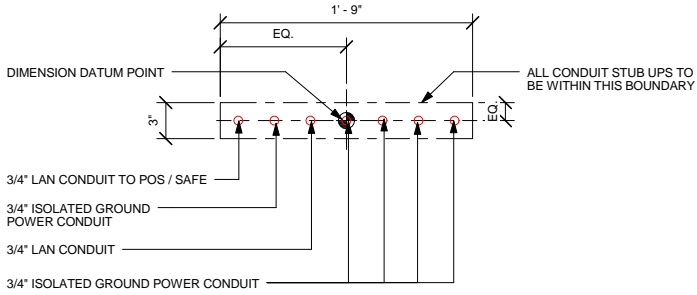
2 STUB UPS - DOUBLE POS/SAFE

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



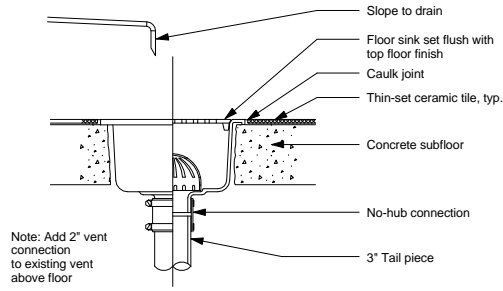
3 STUB UPS - ESPRESSO

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



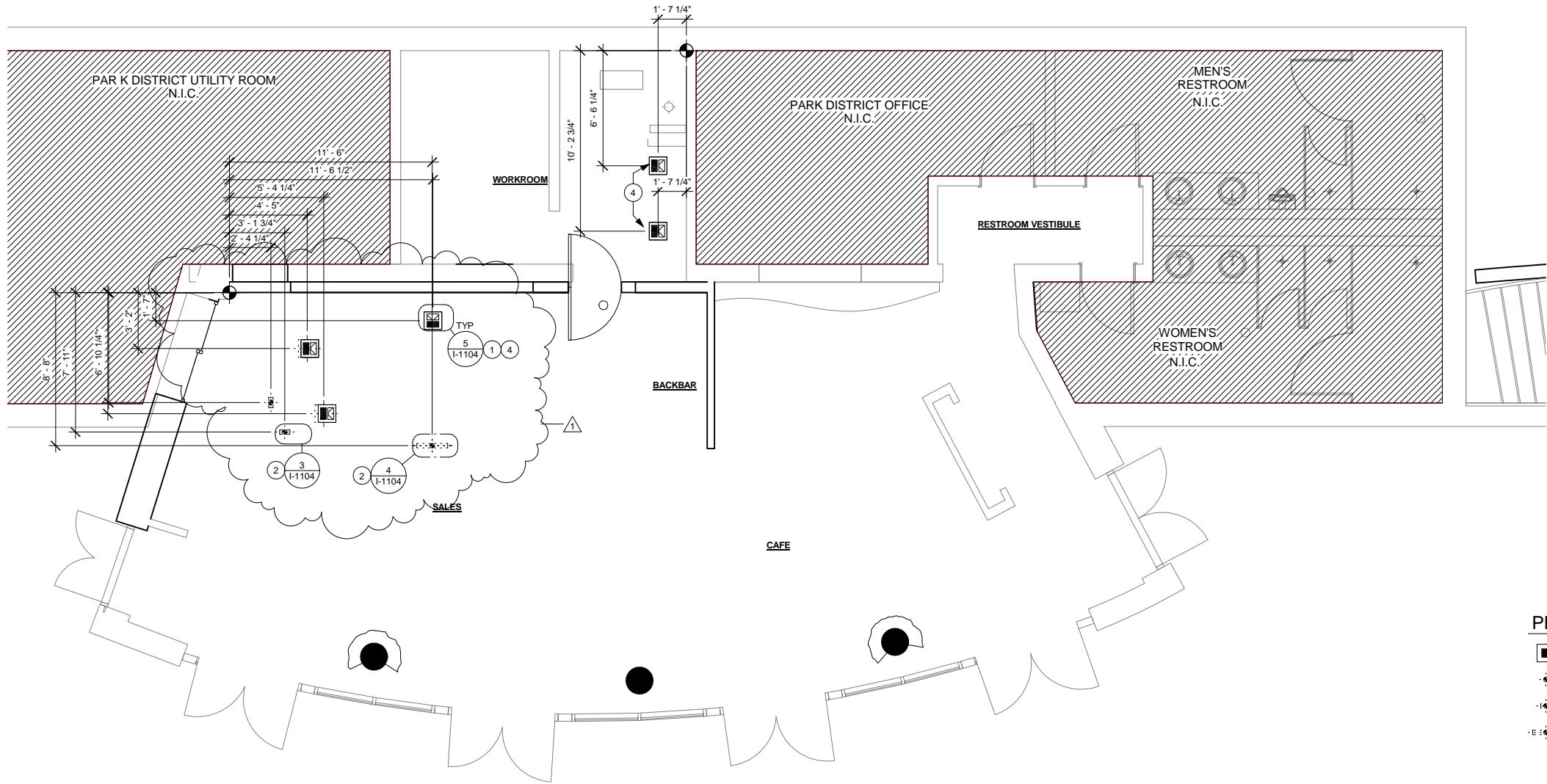
4 STUB UPS - FRONTBAR

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



5 Floor Drain Section

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



1 PENETRATION PLAN

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

## PENETRATION PLAN NOTES

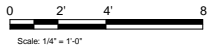
- A. ALL STUB-UP DIMENSIONS ARE RELATIVE TO FINISHED WALL LOCATIONS (SHOWN AS OUTLINES ON THIS PLAN). REFER TO FLOOR PLAN FOR WALL PLACEMENT.
- B. FLOOR SINK: REFER TO CUT SHEETS FOR COMPONENT SPECIFICATIONS AND CUTOUT REQUIREMENTS.
- C. WASTE LINE PENETRATIONS: REFER TO PLUMBING PLANS FOR INDIVIDUAL LINE SPECIFICATIONS.
- D. STUB-UP PENETRATIONS: REFER TO PLUMBING PLANS FOR INDIVIDUAL STUB-UP SPECIFICATIONS.
- E. TOILET FLOOR PENETRATION: REFER TO CUT SHEETS FOR STUB-UP LOCATION RELATIVE TO FINISHED WALL.
- F. PENETRATION TO BE LOCATED ON CENTERLINE OF WALL OR AS REQUIRED PER CONDITIONS.
- G. TRENCHING OUTLINE FOR GUIDELINE USE ONLY. GENERAL CONTRACTOR TO COORDINATE WITH SPECIFIC TRADES AND SITE CONDITIONS TO DETERMINE ACTUAL LAYOUT.

## SHEET NOTES

1. FLOOR SINK. SEE CUTSHEETS FOR COMPONENT SPECIFICATIONS AND CUTOUT REQUIREMENTS.
2. STUB-UP PENETRATIONS. SEE PLUMBING AND ELECTRICAL SHEETS FOR INDIVIDUAL STUB-UP SPECIFICATIONS.
3. ALL STUB-UP DIMENSIONS ARE RELATIVE TO FINISHED WALL LOCATIONS. REFER TO FLOOR PLAN FOR REPLACEMENT.
4. UTILIZE EXISTING FLOOR SINKS AND STUB-UPS WHERE POSSIBLE. GC TO VERIFY DURING PRE-CONSTRUCTION MEETING WITH STARBUCKS PM.

## PENETRATION PLAN LEGEND

- FLOOR SINK
- FLOOR PENETRATION
- PLUMBING PENETRATION AREA
- ELECTRICAL PENETRATION AREA



STARBUCKS COFFEE  
COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS

325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD



William J. Alkemeyer, P.E.  
363 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108

Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

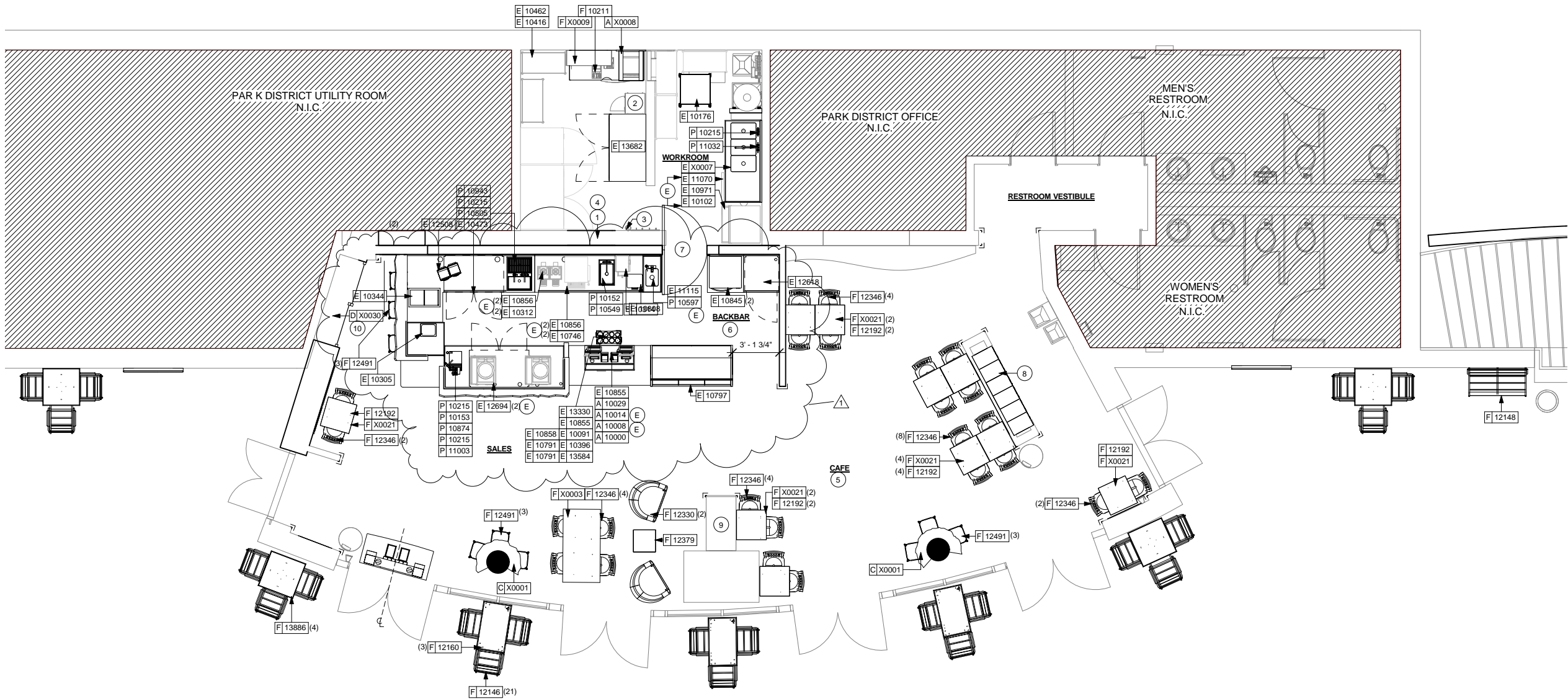
SHEET TITLE:  
**PENETRATION PLAN**

SCALE: As indicated

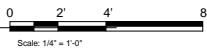
SHEET NUMBER:  
**I-1104**



10/17/2013 11:35:11 AM Y:\WI - Red Arrow - Water & State\drawings\arch\Red Arrow\_Casework Rev. 2013 10 15.rvt



1 FURNITURE, FIXTURES, AND EQUIPMENT PLAN  
Scale: 1/4" = 1'-0"



### SHEET NOTES

1. EXISTING THERMOSTATS TO BE RELOCATED.
2. EXISTING LOCKERS TO BE RELOCATED. SECURE LOCKERS TO WALL.
3. PLACE FIRE EXTINGUISHER IN WORKROOM PER FIRE INSPECTOR.
4. NEW LOCATION OF ALL SWITCHING.
5. SPEAKERS TO BE MOUNTED AT MAXIMUM HEIGHT PER CUTSHEET.
6. SEE ELEVATIONS FOR DISTRIBUTION OF CUP DISPENSERS.
7. NEW DOOR HARDWARE
8. EXISTING PARK DISTRICT LOCKERS TO REMAIN.
9. EXISTING FIREPLACE TO REMAIN.
10. NEW BYPASS DOOR AT STORAGE.

(E) DENOTES EXISTING ITEM TO BE RELOCATED.

### FF AND E PLAN NOTES

- A. GENERAL CONTRACTOR TO SCHEDULE WITH LOCAL REFRIGERATION CONTRACTOR TO CONDUCT INITIAL FOOD CASE START-UP AND TESTING. FOR APPROVED CONTRACTOR, CONTACT VENDOR.
- B. THE SPACE IS SERVED BY THE MUNICIPAL WATER AND SEWER SYSTEM UNLESS OTHERWISE NOTED.
- C. ALL EQUIPMENT AND INSTALLATION WILL MEET NATIONAL SANITATION FOUNDATION STANDARDS OR EQUIVALENT.
- D. EQUIPMENT UNITS SHALL CONTAIN NO EXPOSED THREADS, EMBELLISHMENTS OR OVERHANGING EDGES THAT SERVE AS PLACES FOR ACCUMULATION OF DUST, DIRT AND DEBRIS.
- E. EACH HAND WASHING SINK WILL HAVE A SINGLE SERVICE TOWEL AND SOAP DISPENSER, AND ALL HAND SINKS TO HAVE A COMBINATION FAUCET OR PREMIXING FAUCET.
- F. FOR PLUMBING FIXTURES, REFER TO THE PLUMBING DESIGN PLAN. FOR DATA DEVICE SCHEDULE, REFER TO THE ELECTRICAL DESIGN PLAN
- G. SEE SHEET I-601 FOR SCHEDULES.



**STARBUCKS COFFEE COMPANY**  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD

  
William J. Alkomeyer, P.E.  
363 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108  
Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

SHEET TITLE:  
**FF AND E PLAN**

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

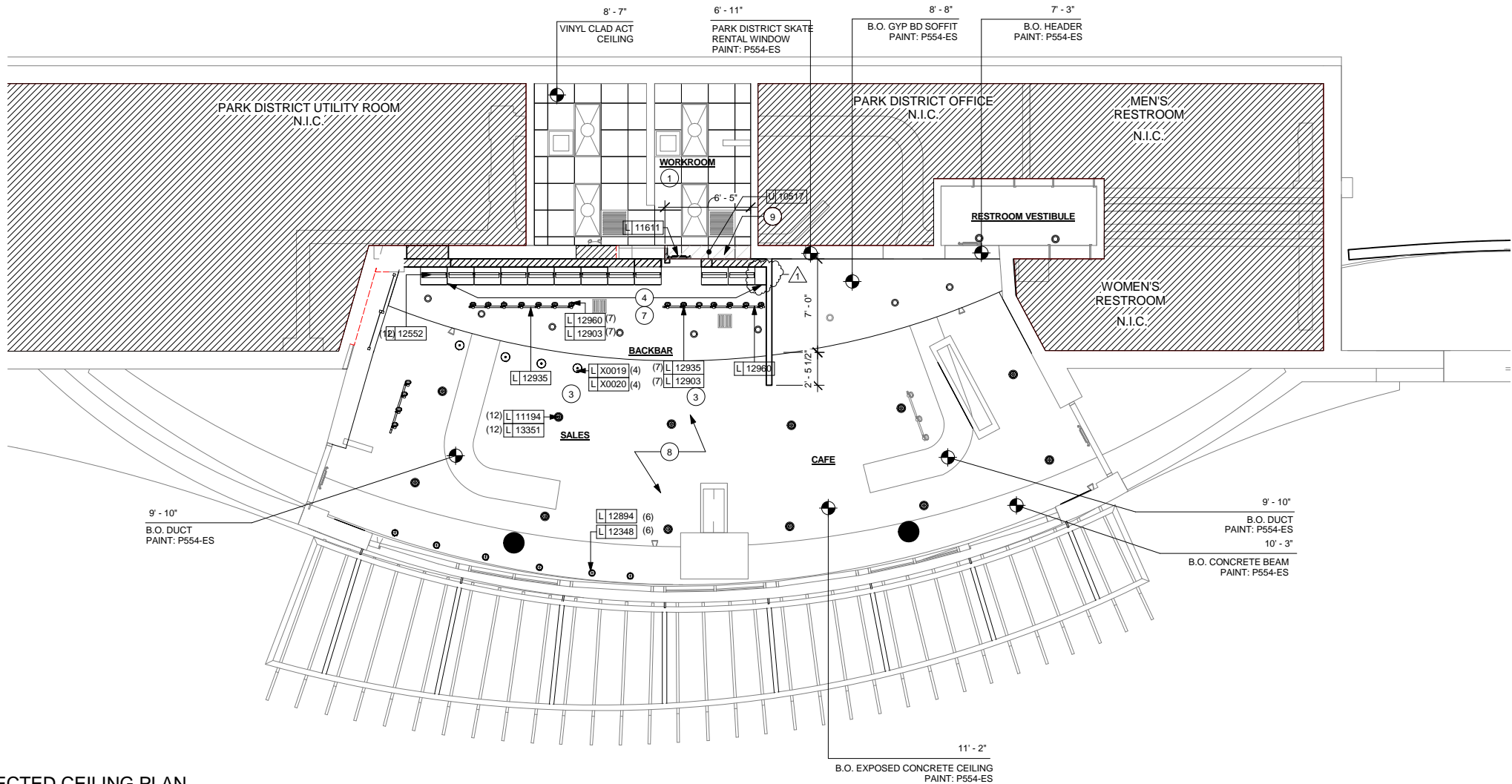
SHEET NUMBER:  
**I-1105**



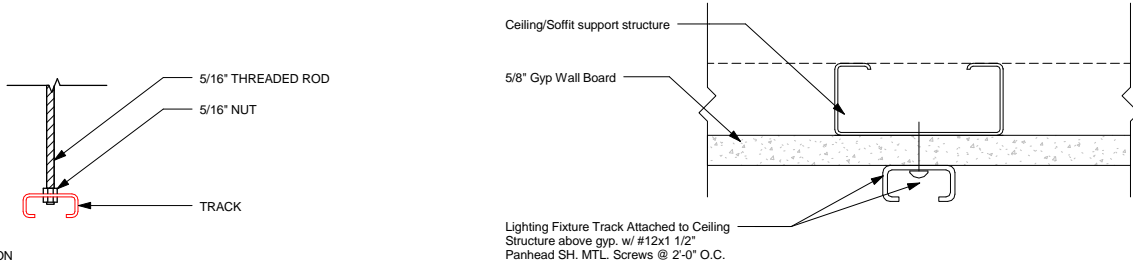
- # 1 CASEWORK PLAN

SHEET NUMBER:  
I-1107

1 REFLECTED CEILING PLAN  
Scale: 3/16" = 1'-0"



2 TRACK LIGHTING - SUSPENDED MOUNT  
Scale: 3" = 1'-0"



3 Track Mounted to Gypsum Board Soffit  
Scale: 6" = 1'-0"

REFLECTED  
CEILING PLAN NOTES

A. IF REQUIRED BY LOCAL CODE, GENERAL CONTRACTOR TO PROVIDE SEMI-RECESSED SPRINKLER HEADS WITH POLISHED CHROME ESCUTCHEONS CENTERED IN ACOUSTICAL CEILING TILE. IF PENDANT HEADS ARE REQUIRED IN GYPSUM SOFFIT OVER FRONTBAR, CONCEAL SUPPLY PIPING WITHIN SOFFIT. GENERAL CONTRACTOR TO SUBMIT SPRINKLER LAYOUT TO STARBUCKS' CONSTRUCTION MANAGER FOR APPROVAL PRIOR TO INSTALLATION.

B. GENERAL CONTRACTOR TO PROVIDE AND LOCATE SPRINKLERS PER LOCAL CODES. CONTACT STARBUCKS' CONSTRUCTION MANAGER IF DESIGN INTENT IS AFFECTED.

C. WHERE ACOUSTICAL CEILING MEETS WALL, PROVIDE ANGLE WALL MOLDING FOR REVEAL. MATCH CEILING GRID COLOR WHEN APPLICABLE.

D. LEAVE (10) ADDITIONAL RETAIL CEILING TILES, TO MATCH RETAIL CEILING PAINT COLOR, ABOVE THE WORKROOM CEILING AT MANAGER'S DESK FOR FUTURE USE.

E. PROVIDE GROMMET AT ALL CEILING PENETRATIONS FOR FIXTURES OR SUPPORTS.

F. HEATING, VENTILATING, AND AIR CONDITIONING (HVAC) SHOWN FOR DESIGN INTENT ONLY. CONTACT PROJECT MANAGER IF CHANGED.

G. DIFFUSERS AND RETURNS AT BACKBAR IN ACOUSTICAL CEILING TILE TO BE CENTERED IN TILE, PAINTED TO MATCH ADJACENT FINISHES, TYPICAL.

H. PAINT ALL HVAC DUCTS, HVAC DIFFUSERS, RECESSED SPEAKERS AND LIGHT TRIM RINGS THE SAME COLOR AS CEILING OR SOFFIT. TYPICAL THROUGHOUT RETAIL PORTION OF STORE.

J. PAINT SUBSTITUTIONS ARE NOT ALLOWED. USE STARBUCKS' NATIONAL ACCOUNT "COLOR CODE" WHEN ORDERING PAINTS. SEE SCHEDULE SHEETS FOR SCHEDULES

K. SEE LIGHTING DESIGN PLAN FOR FIXTURE TYPES AND LOCATION DIMENSIONS.

SHEET NOTES

1. RETAIN EXISTING ACT IN WORKROOM. PATCH AND REPAIR AS NEEDED.
2. RETAIN GYP BOARD CEILING. EXTEND RADIUS OVER BACKBAR PATCH AND REPAIR AS NEEDED.
3. NEW 8' TRACK LIGHT AND TRACK HEADS.
4. NEW MENU BOARDS ATTACHED TO UPPER CUBBIES.
5. NEW PENDANTS AT FIREPLACE.
6. NEW CAN PENDANTS. FLUSH MOUNTED.
7. NEW UPPER CUBBIES.
8. GC TO PROVIDE HIGH DUSTING AND DUCT CLEANING INSIDE AND OUT.
9. GC TO INSTALL NEW VINYL CLAD ACT IN WORKROOM WHERE WALL HAS BEEN DEMOLISHED.



STARBUCKS COFFEE  
COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD

William J. Alkemeyer, P.E.  
353 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108  
Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

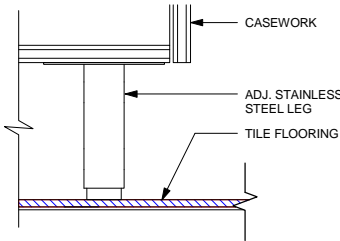
STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

SHEET TITLE:  
**REFLECTED CEILING  
PLAN**

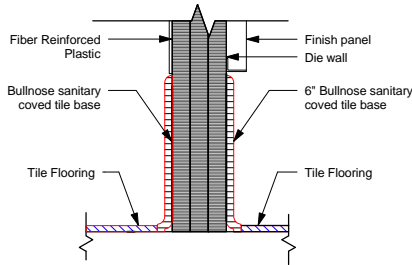
SCALE: As indicated

SHEET NUMBER:  
**I-1108**

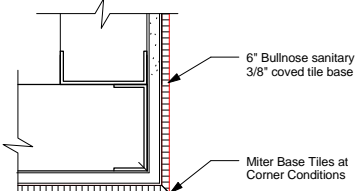




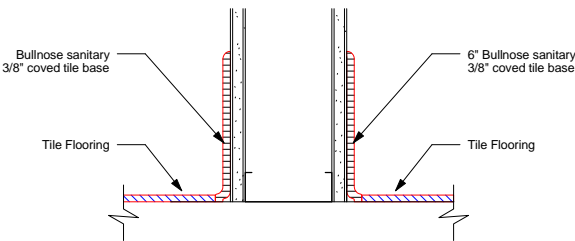
1 STAINLESS STEEL LEG AT CABINET  
Scale: 3" = 1'-0"



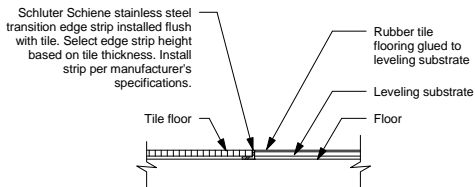
2 Tile Base at Die Wall  
Scale: 3" = 1'-0"



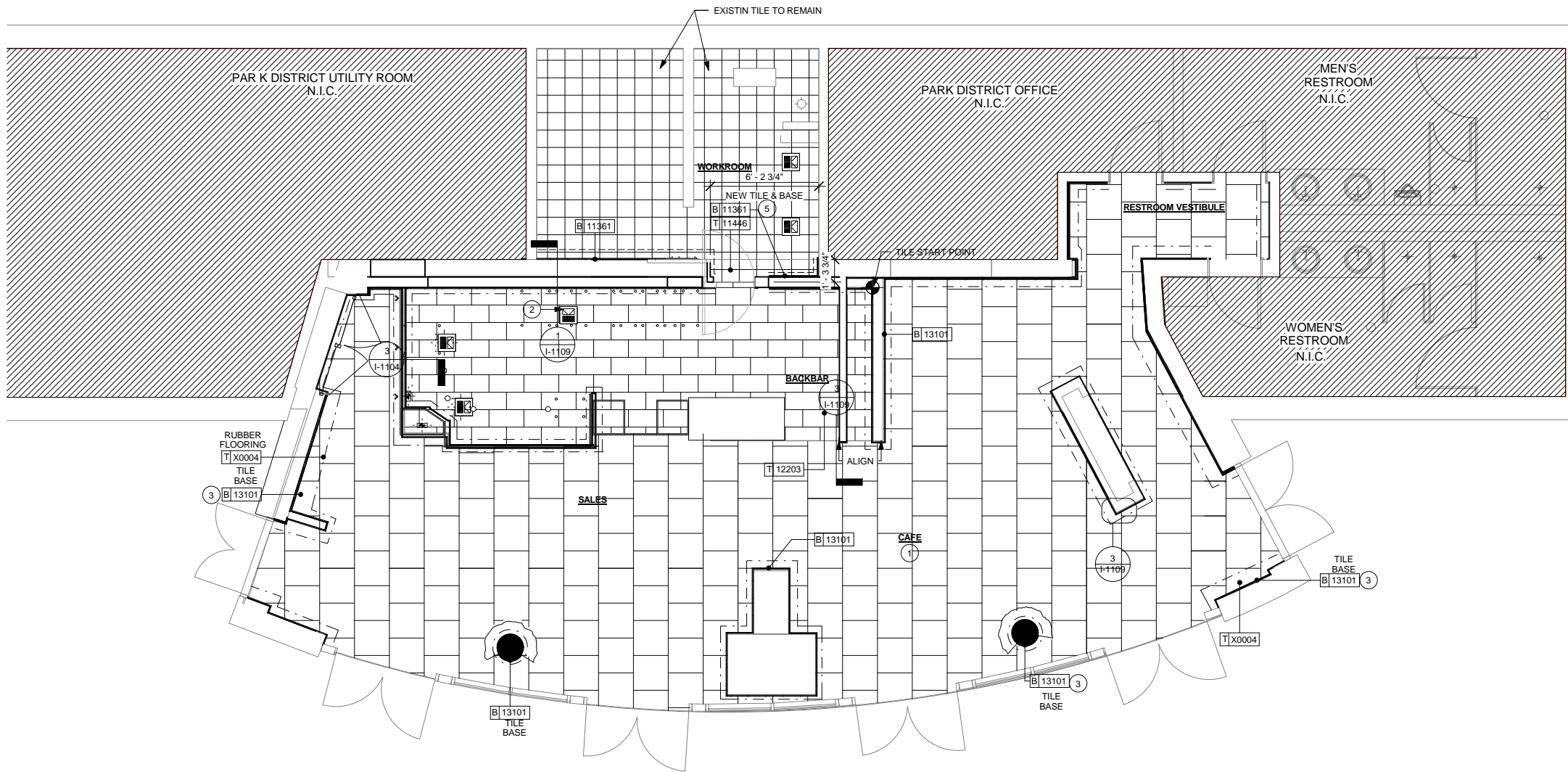
3 Tile Base at Outside Corner  
Scale: 3" = 1'-0"



4 Tile Base at Interior Wall  
Scale: 3" = 1'-0"



6 Tile/Altro Transition  
Scale: 3" = 1'-0"



5 FLOOR FINISH PLAN  
Scale: 1/4" = 1'-0"

## FLOOR FINISH PLAN NOTES

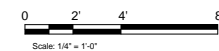
- STARBUCKS TO SUPPLY RETAIL FLOOR TILE AND TILE BASE. GENERAL CONTRACTOR TO INSTALL. GENERAL CONTRACTOR TO SUPPLY WORKROOM TILE AND BASE AND INSTALL. GENERAL CONTRACTOR TO SUPPLY AND INSTALL MORTAR, ADHESIVE, AND GROUT. GENERAL CONTRACTOR TO INSPECT ALL TILES AND REJECT DAMAGED OR SUBSTANDARD TILES PRIOR TO INSTALLATION.
- ALL TILE AND SLATE TO BE INSTALLED PER TILE COUNCIL OF AMERICA STANDARDS.
- ALL FLOORING AND BASE MATERIAL TO BE INSTALLED ACCORDING TO STARBUCKS SPECIFICATIONS.
- CABINET BASES TO BE SET AFTER TILE INSTALLATION.
- ALIGN TILE TRANSITIONS ON WHOLE TILES AS SHOWN.
- FOR CARPET INSTALLATION, REFER TO MANUFACTURERS' INSTALLATION INSTRUCTIONS.

## SHEET NOTES

- REPLACE RUBBERIZED FLOORING THROUGHOUT CAFE.
- FLOOR SINK/FLOOR DRAIN LOCATION.
- INSTALL NEW TILE BASE THROUGHOUT AS INDICATED.
- TILE GROUT JOINTS TO BE 1/8".
- GC TO INSTALL NEW 12X12 FLOOR TILE IN WORKROOM WHERE WALL HAS BEEN DEMOLISHED.

## FLOOR FINISH LEGEND

- NEW RUBBER FLOORING TILES  
JOHNSONITE FLOORING: TRIUMPH SMH-743,  
MUDDY WATERS WG. SURFACE TEXTURE:  
HAMMERED, 24x24, 3/8" GAUGE  
DID X0004
- NEW 6X12 FLOOR TILE - GRAPHITE - DID 12203
- EXISTING WORKROOM TILE FLOOR
- NEW WORKROOM 12X12 TILE FLOOR -  
DIAMANTE - DID 11457
- TILE BASE  
GRAPHITE 6X12IN  
DESIGN ID: 13101
- TILE BASE  
BIANCO 6X12IN  
DESIGN ID: 11361



STARBUCKS COFFEE  
COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 www.norr.com

ENGINEER OF RECORD

  
William J. Alkemeyer, P.E.  
363 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108

Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

SHEET TITLE:  
**FLOOR FINISH PLAN**

SCALE: As indicated

SHEET NUMBER:  
**I-1109**





2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

ARCHITECT OF RECORD

**ARCHITECTS** **PLANNER**  
325 N. LaSalle St. | Suite 700 | Chicago, IL 60654  
t 312.424.2400 | f 312.424.2424 | [www.norr.com](http://www.norr.com)



William J. Alkeme  
353 Marshall Ave.  
St. Louis, Missouri 63104  
Phone (314) 777-1111  
Fax (314) 777-1112

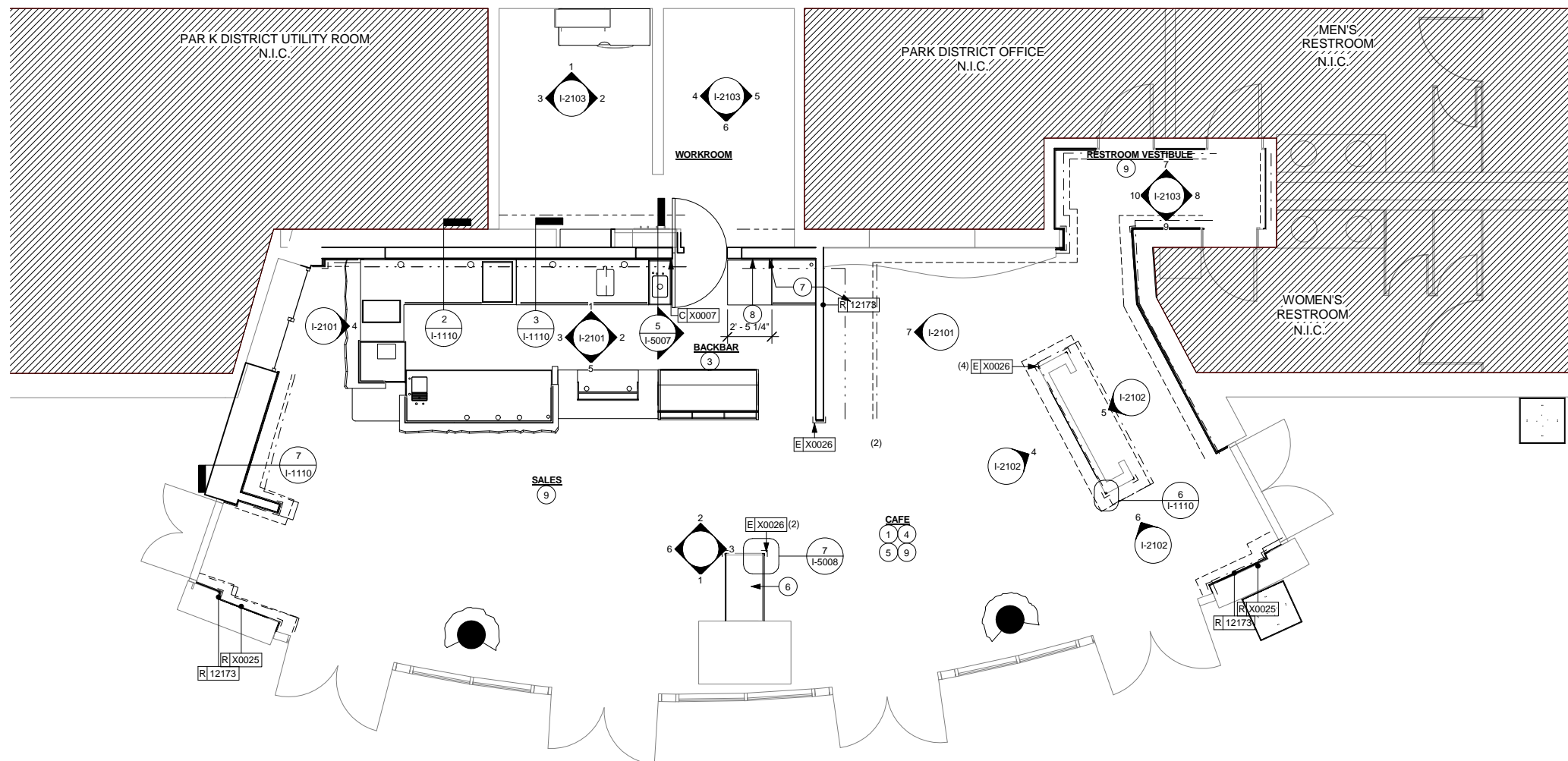
Engineering Consultant

F. GENERAL CONTRACTOR TO PROVIDE AND INSTALL WORKROOM WALL FINISHES.

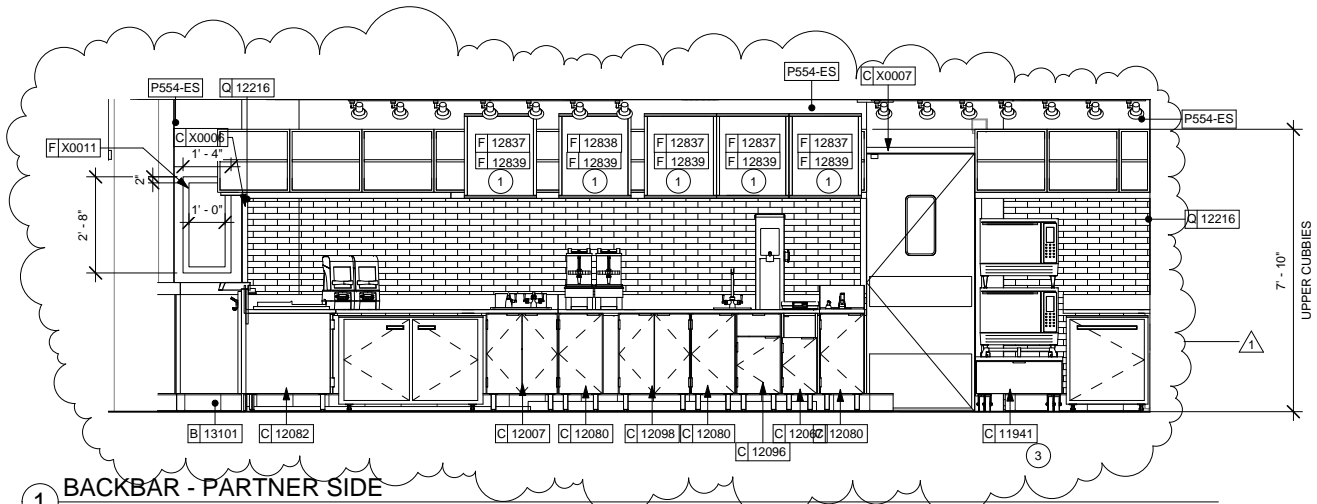
9. GC TO USE MASONRY FASTENERS FOR CHAIR RAIL AND WAINSCOT PANELS ON CMU BLOCK WALL.



-----	INDICATES WOOD WAINSCOT
-----	INDICATES CHAIR RAIL
-----	INDICATES BACKBAR WALL TILE
-----	INDICATES FULL HEIGHT FRP AT WORKROOM
└┐	INDICATES WOOD CORNER GUARD - STAINED TO MATCH WD009

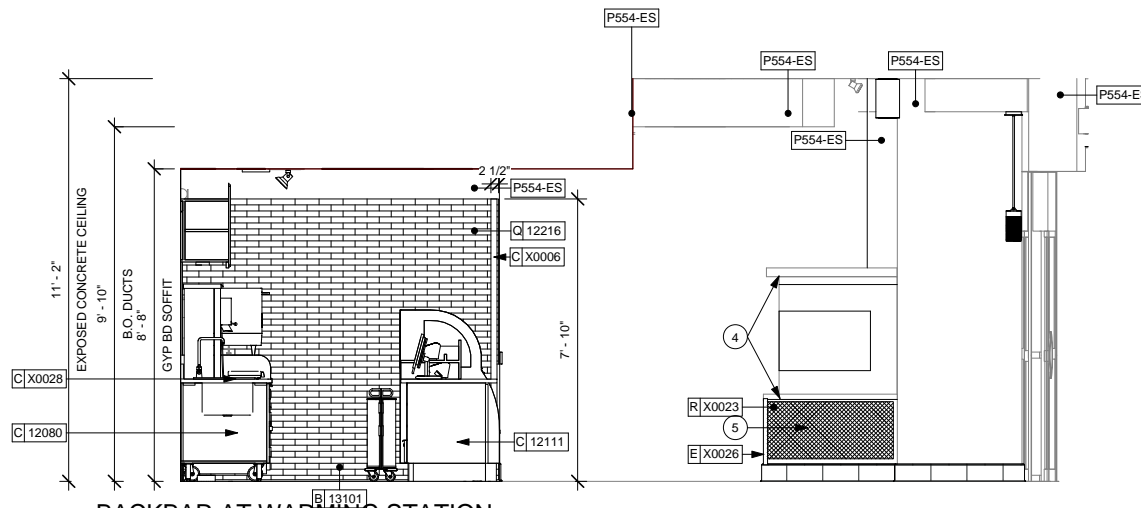


Scale:  $1/4" = 1'-0"$



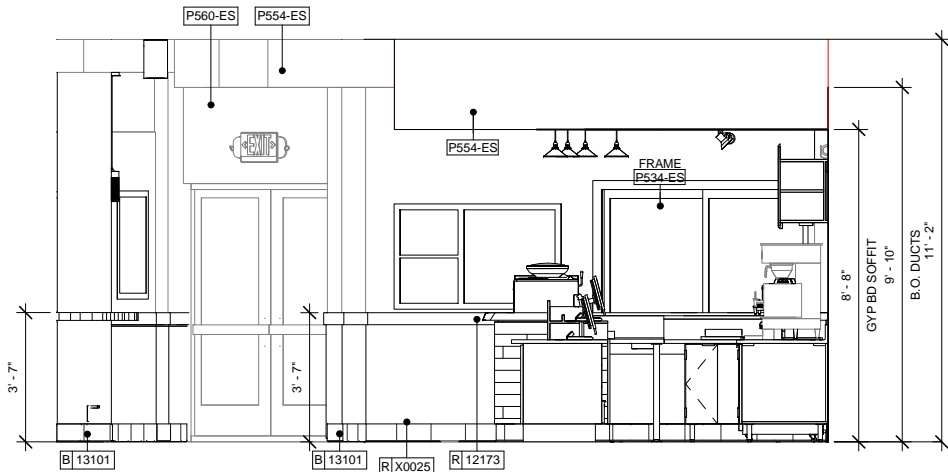
1 BACKBAR - PARTNER SIDE

Scale: 3/8" = 1'-0"



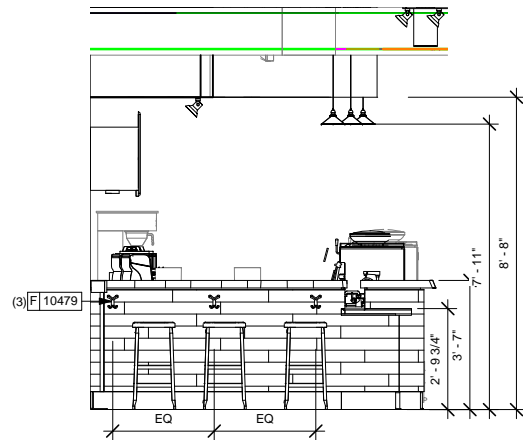
2 BACKBAR AT WARMING STATION

Scale: 3/8" = 1'-0"



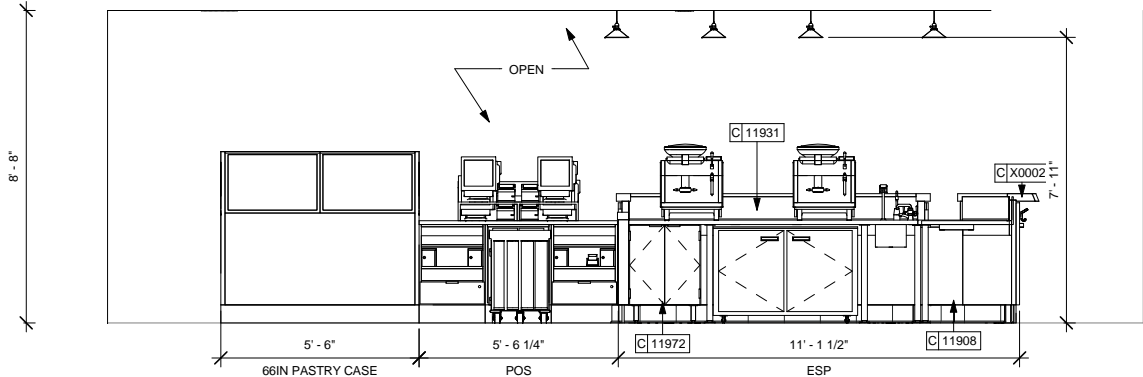
3 BACKBAR AT ESPRESSO

Scale: 3/8" = 1'-0"



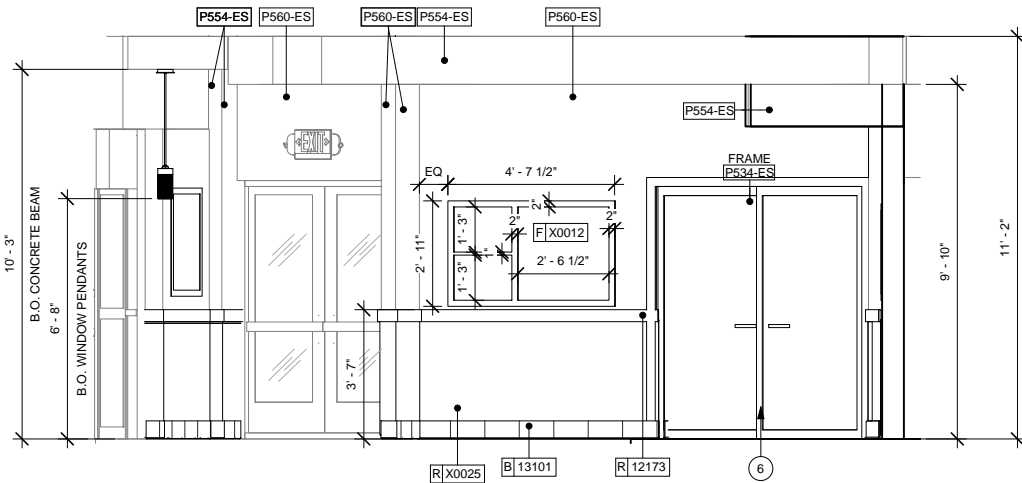
4 SIT HERE BAR

Scale: 3/8" = 1'-0"



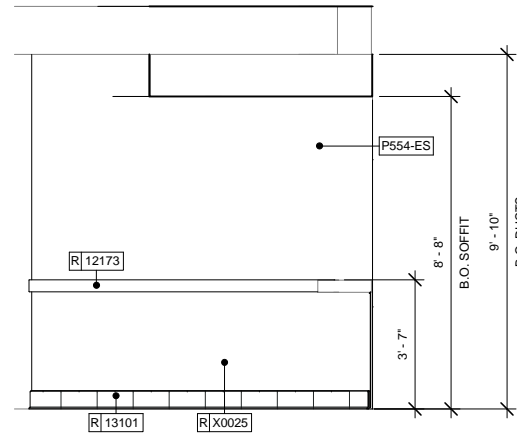
5 FRONTBAR - PARTNER SIDE

Scale: 3/8" = 1'-0"



6 CASE AT STORAGE - EXIT

Scale: 3/8" = 1'-0"



7 CAFE SEATING ADJACENT TO SKATE WINDOW

Scale: 3/8" = 1'-0"

## SHEET NOTES

1. ATTACH MENU HINGE TO TOP OF CABINET TO ALLOW ACCESS TO CABINET SHELVES BEHIND, TYPICAL.
2. APPLY FRP TO ALL SIDES OF CHASE INTERIOR BEHIND CUBBIE.
3. BACKBAR WALL TILE RUNS BEHIND WARMING STATION.
4. GC TO STRIP AND RESTAIN WOOD TO MATCH WD0001
5. INSTALL MESH PANEL PER MANUFACTURER'S INSTRUCTIONS.
6. GC TO STRIP AND RESTAIN DOORS TO MATCH WD0001.

## INTERIOR ELEVATION NOTES

- A. REFER TO MANUFACTURERS' INSTRUCTIONS SHIPPED WITH ARTWORK FOR INSTALLATION INSTRUCTIONS AND SPACING.
- B. INSTALL WALL CABINETS BEFORE BACKBAR WALL TILE. RUN BACKBAR WALL TILE TO UNDERSIDE OF WALL CABINETS, NOT BEHIND CABINETS.
- C. PAINT SUBSTITUTIONS ARE NOT ALLOWED. USE STARBUCKS' NATIONAL ACCOUNT "COLOR CODE" WHEN ORDERING PAINTS.
- D. PAINT FINISHES SHALL BE APPLIED AS FOLLOWS, UNLESS OTHERWISE NOTED:
- ALL WOOD AND METAL SURFACES SHALL BE PAINTED SEMIGLOSS, OR EQUAL.
  - ALL ACCENT AND TRIM PAINT TO BE SEMIGLOSS, OR EQUAL.
  - ALL WALL AND CEILING PAINTS TO BE EGGSHELL, OR EQUAL.
- E. FOR PAINT, WALL TREATMENT, AND GRAPHICS SCHEDULES, REFER TO SCHEDULE SHEETS.



STARBUCKS COFFEE  
COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD

William J. Alkemeyer, P.E.  
363 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108  
Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

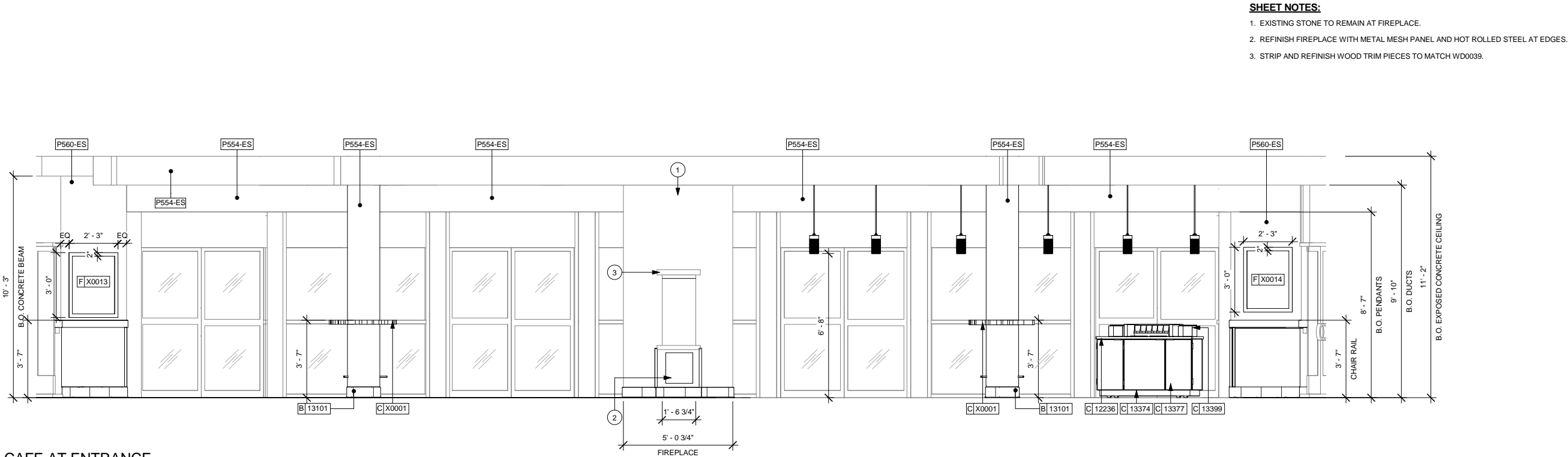
PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
920 WATER STREET  
MILWAUKEE, WI 53202

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

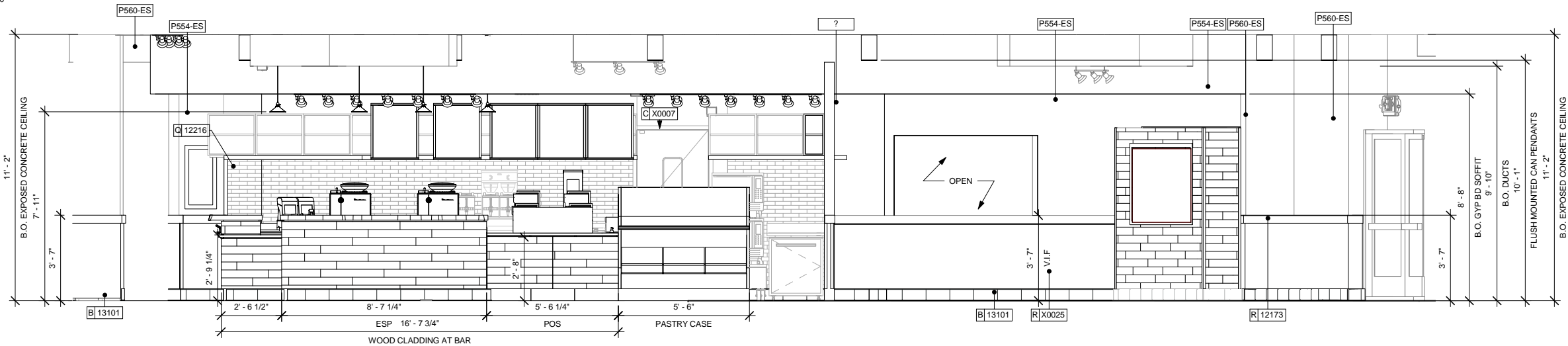
SHEET TITLE:  
**INTERIOR ELEVATIONS**

SCALE: As indicated

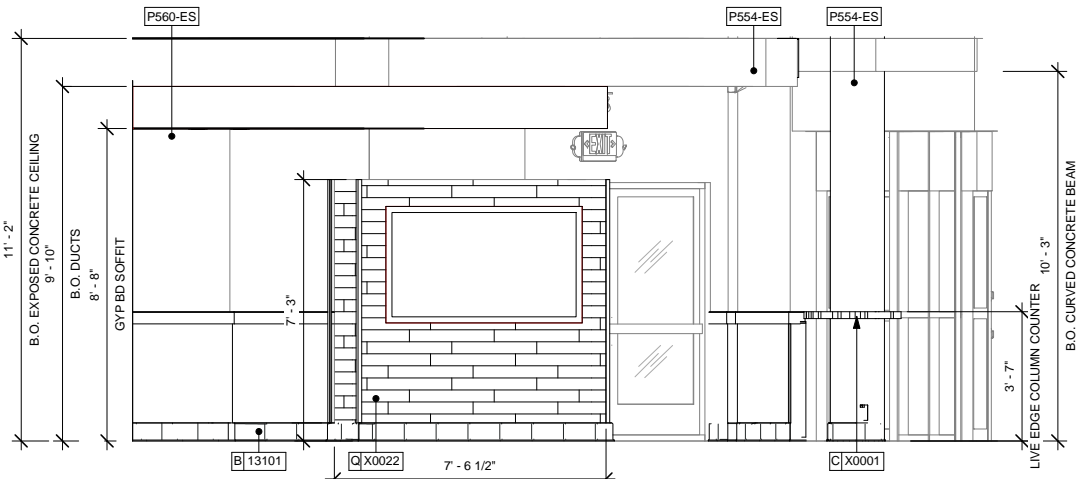
SHEET NUMBER:  
**I-2101**



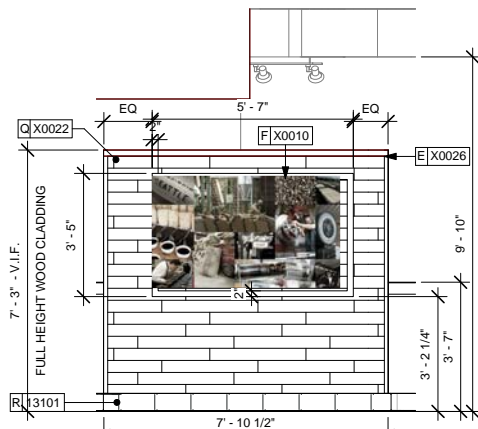
1 CAFE AT ENTRANCE  
Scale: 3/8" = 1'-0"



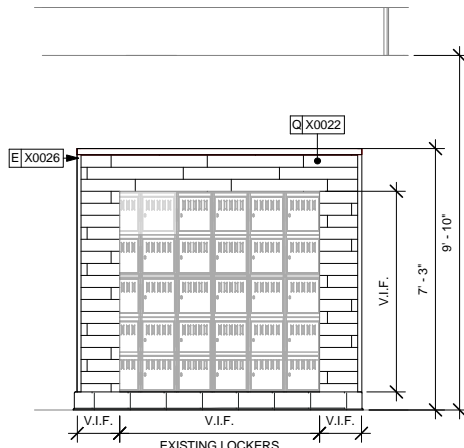
2 FRONT BAR - CAFE  
Scale: 3/8" = 1'-0"



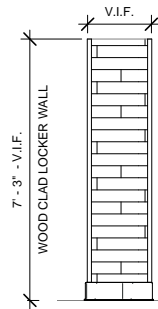
3 CAFE AT LOCKER WALL  
Scale: 3/8" = 1'-0"



4 CAFE WALL MURAL  
Scale: 3/8" = 1'-0"



5 LOCKER WALL  
Scale: 3/8" = 1'-0"



6 WOOD CLAD WALL  
Scale: 3/8" = 1'-0"



STARBUCKS COFFEE  
COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2421 www.norr.com

ENGINEER OF RECORD

Engineering Consultant  
William J. Alkemeyer, P.E.  
353 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

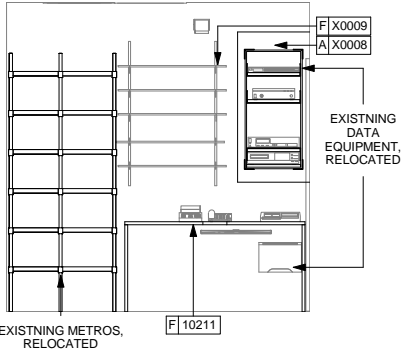
PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

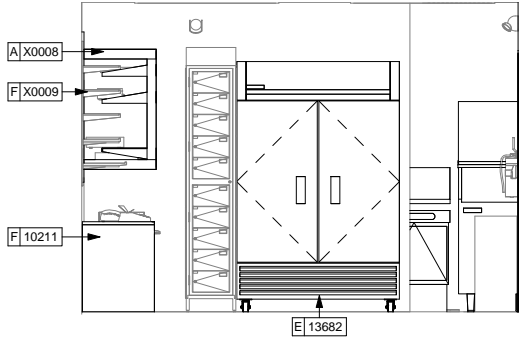
SHEET TITLE:  
**INTERIOR ELEVATIONS**

SCALE: 3/8" = 1'-0"

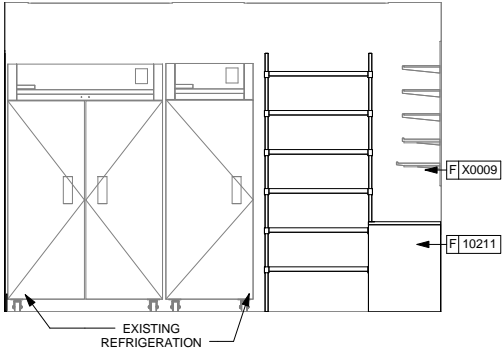
SHEET NUMBER:  
**I-2102**



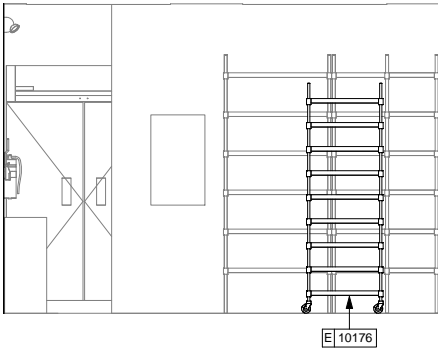
1 WORKROOM - MANAGER'S DES  
Scale: 3/8" = 1'-0"



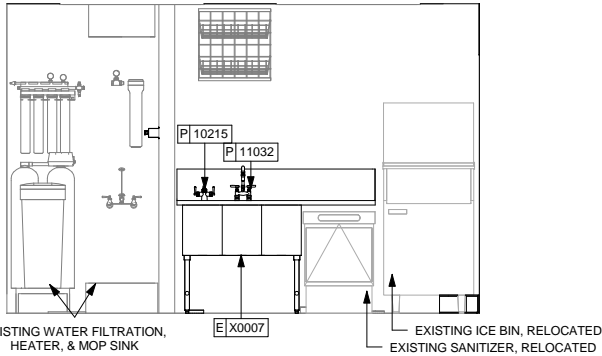
2 WORKROOM - LOCKERS  
Scale: 3/8" = 1'-0"



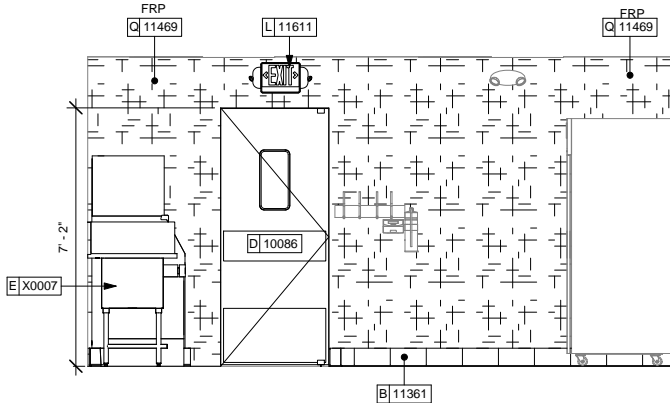
3 WORKROOM - REFRIGERATION  
Scale: 3/8" = 1'-0"



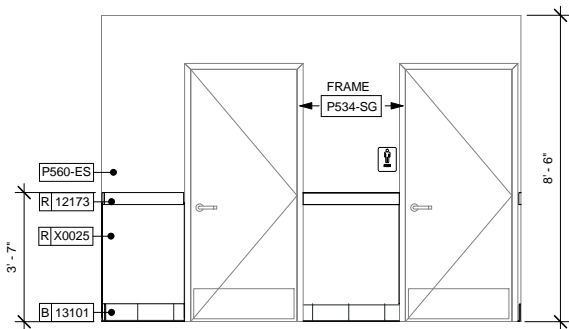
4 WORKROOM - STORAGE  
Scale: 3/8" = 1'-0"



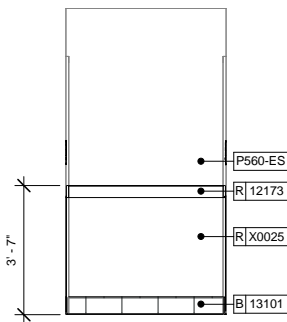
5 WORKROOM - 3 COMP SINK  
Scale: 3/8" = 1'-0"



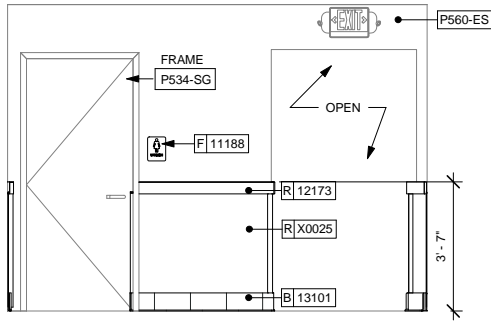
6 WORKROOM - ELIASON DOOR  
Scale: 3/8" = 1'-0"



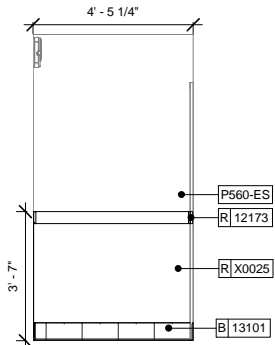
7 RESTROOM VESTIBULE - MEN'S ROOM  
Scale: 3/8" = 1'-0"



8 RESTROOM VESTIBULE - SOUTH WALL  
Scale: 3/8" = 1'-0"



9 RESTROOM VESTIBULE - WOMEN'S ROOM  
Scale: 3/8" = 1'-0"



10 RESTROOM VESTIBULE - NORTH WALL  
Scale: 3/8" = 1'-0"



STARBUCKS COFFEE  
COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**

ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD



William J. Alkemeyer, P.E.  
363 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108

Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

SHEET TITLE:

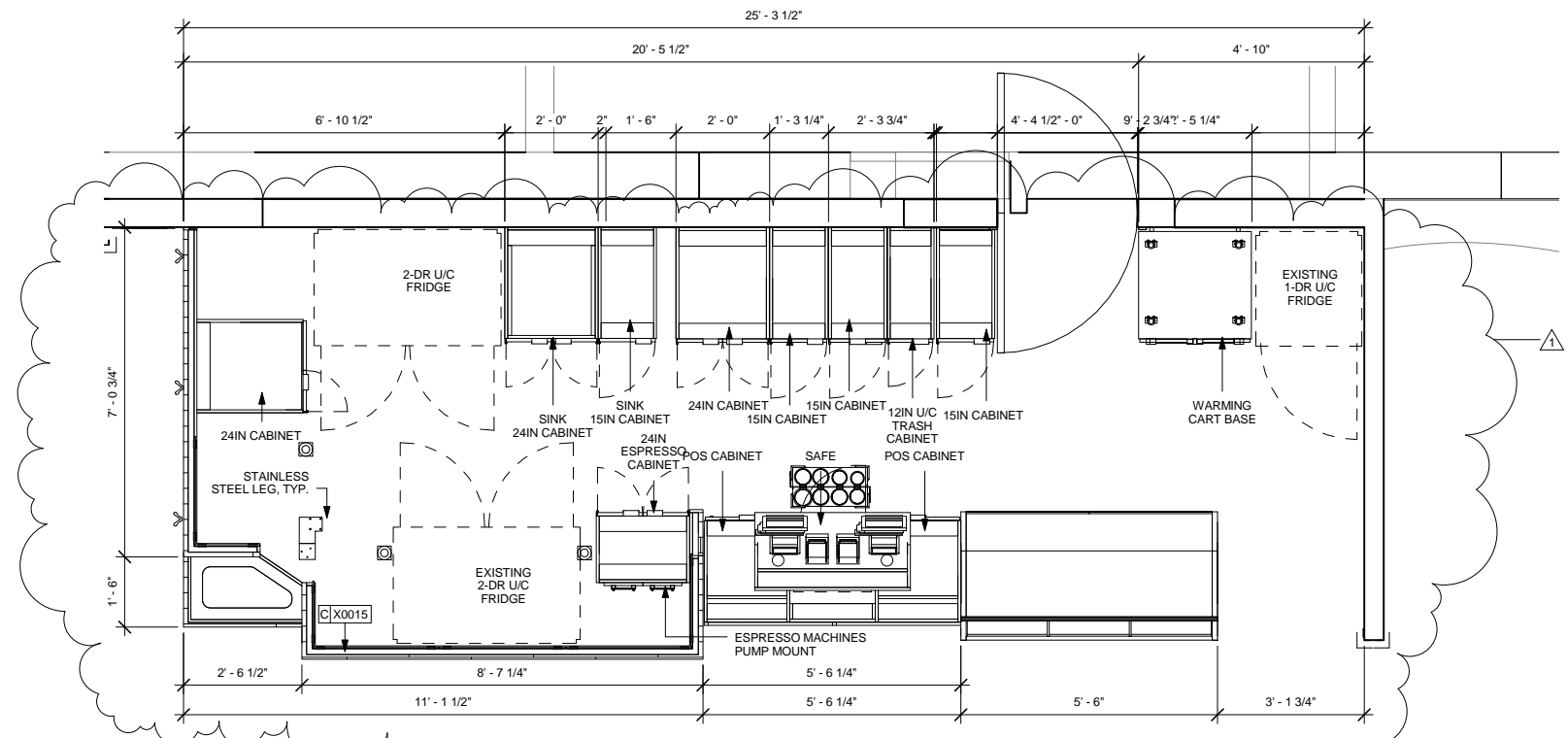
**INTERIOR ELEVATIONS**

SCALE: 3/8" = 1'-0"

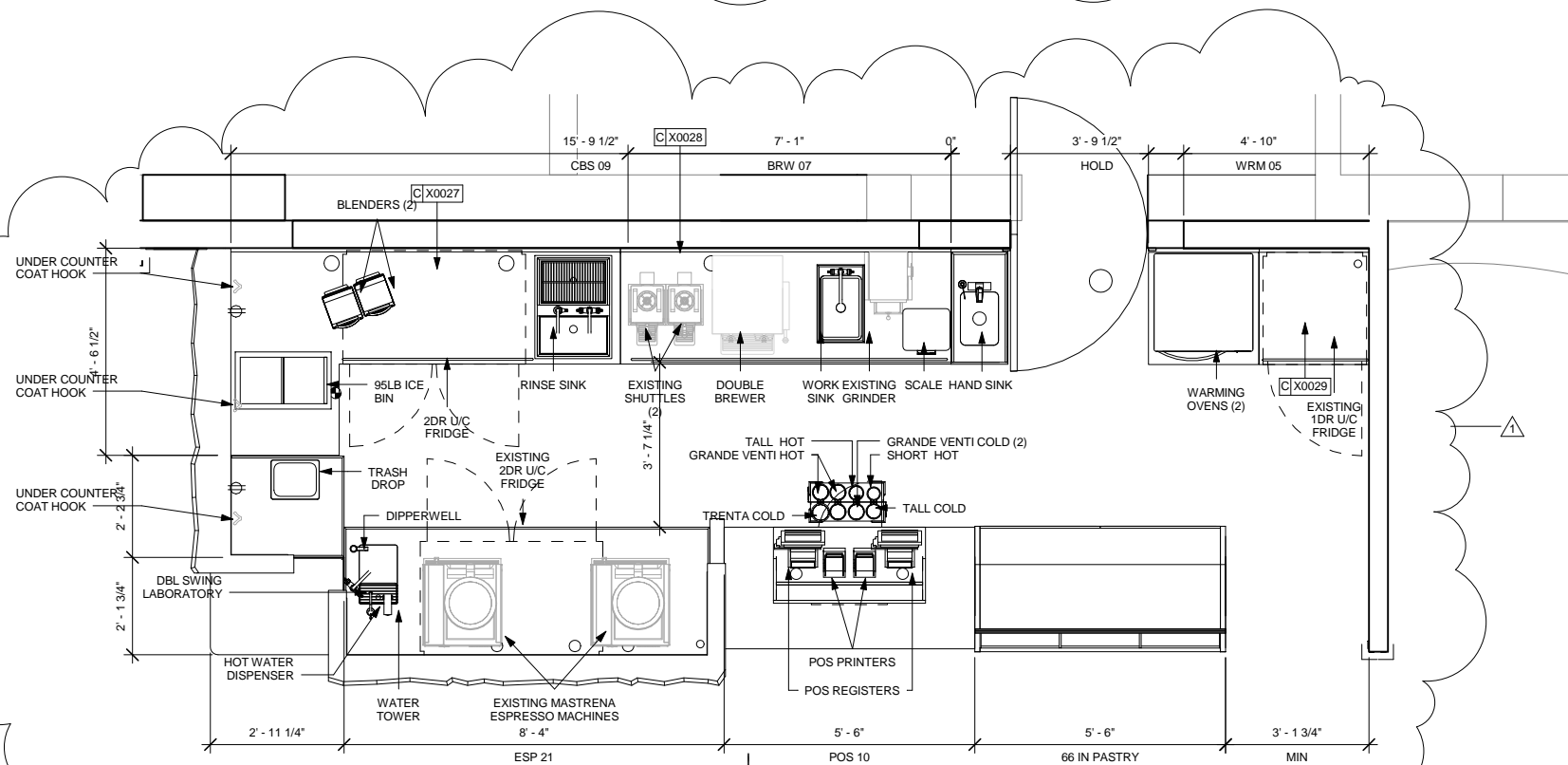
SHEET NUMBER:

**I-2103**





**1 ENLARGED BAR PLAN - CABINETS**  
Scale: 1/2" = 1'-0"



**3 ENLARGED BAR PLAN - EQUIPMENT**  
Scale: 1/2" = 1'-0"



**STARBUCKS COFFEE COMPANY**  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD

William J. Alkemeyer, P.E.  
353 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108

Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

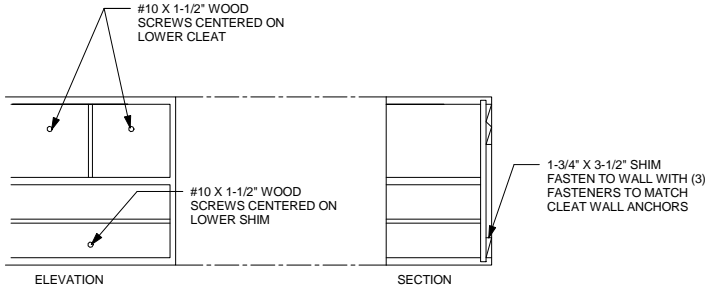
PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

SHEET TITLE:  
**ENLARGED BAR PLANS**

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

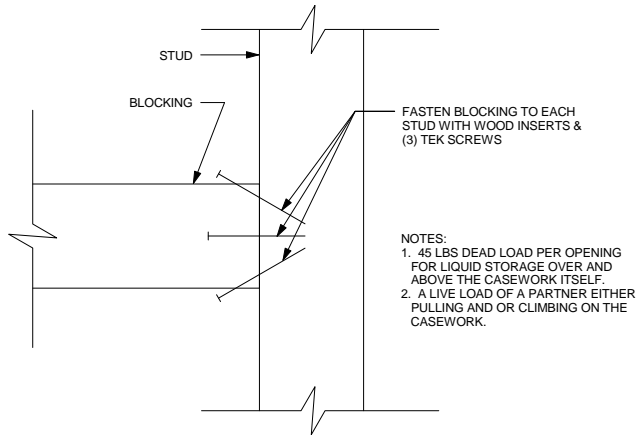
SHEET NUMBER:  
**I-4101**



- NOTES:
1. 45 LBS DEAD LOAD PER OPENING FOR LIQUID STORAGE OVER AND ABOVE THE CASEWORK ITSELF.
  2. A LIVE LOAD OF A PARTNER EITHER PULLING AND OR CLIMBING ON THE CASEWORK.

1 BLOCKING TO CASEWORK

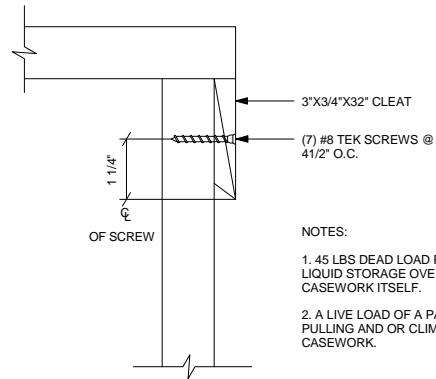
Scale: 1/2" = 1'-0"



- NOTES:
1. 45 LBS DEAD LOAD PER OPENING FOR LIQUID STORAGE OVER AND ABOVE THE CASEWORK ITSELF.
  2. A LIVE LOAD OF A PARTNER EITHER PULLING AND OR CLIMBING ON THE CASEWORK.

2 BLOCKING TO METAL STUD

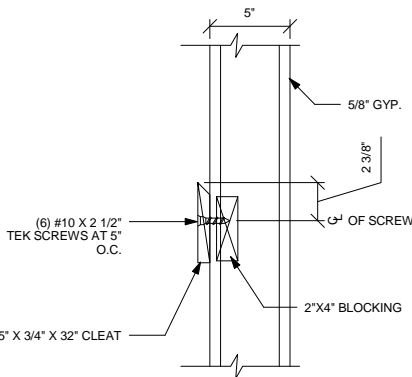
Scale: 1/2" = 1'-0"



- NOTES:
1. 45 LBS DEAD LOAD PER OPENING FOR LIQUID STORAGE OVER AND ABOVE THE CASEWORK ITSELF.
  2. A LIVE LOAD OF A PARTNER EITHER PULLING AND OR CLIMBING ON THE CASEWORK.

3 CLEAT TO FRAME

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



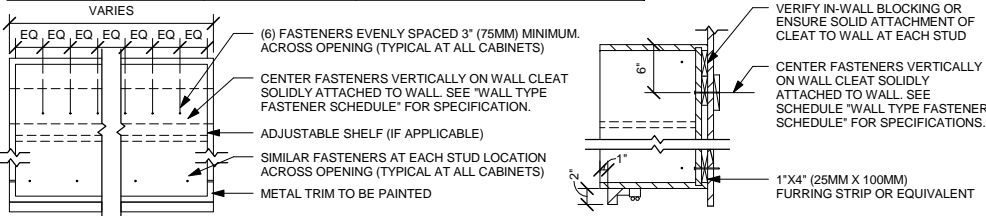
4 CLEAT TO WOOD BLOCKING

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

WALL TYPE FASTENER SCHEDULE			
WALL TYPE	WALL BLOCKING	FASTENERS	NOTES
WOOD FRAME	X	#8 X3" (75MM) WD OR EQUIVALENT	DOR-REFER TO ARCHITECT OF RECORD WALL BLOCKING DETAIL NDR-REFER TO WALL BLOCKING DETAIL THIS SHEET
METAL FRAME	X	#6CT. X1 1/4" (30MM) MTL/WD OR EQUIVALENT	DOR-REFER TO ARCHITECT OF RECORD WALL BLOCKING DETAIL NDR-REFER TO WALL BLOCKING DETAIL THIS SHEET
CMU		MIN. 5/16"X3" (8MMX75MM) TAPCON OR EQUIVALENT	SPACE PER DETAIL THIS SHEET
NCT		MIN. 1/4"X2" (6MMX50MM) SLEEVE ANCHOR OR EQUIVALENT	SPACE PER DETAIL THIS SHEET
BRICK		MIN. 1/4"X1" (6MMX25MM) WEDGE ANCHOR OR EQUIVALENT	SPACE PER DETAIL THIS SHEET AVOID SETTING ANCHORS IN MORTAR JOINTS

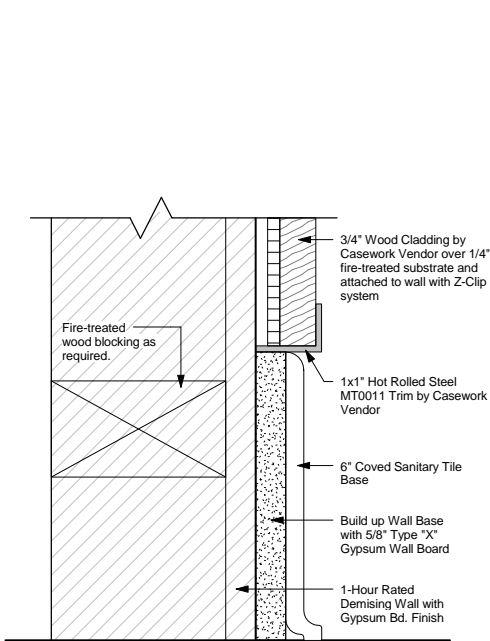
**STUD WALL BLOCKING REQUIREMENTS:**  
WOOD STUD WALLS REQUIRE MIN. 2"x6" (50MMX150MM) WOOD BLOCKING SECURED FLUSH TO STUD FACE WITH (3) 10D NAILS (OR EQUIVALENT)

METAL STUD WALLS REQUIRE MIN. 2"x6" (50MMX150MM) WOOD BLOCKING SECURED FLUSH TO STUD FACE WITH MIN. (3) #6 CT. 1.25" (30MM) SCREWS (OR EQUIVALENT)



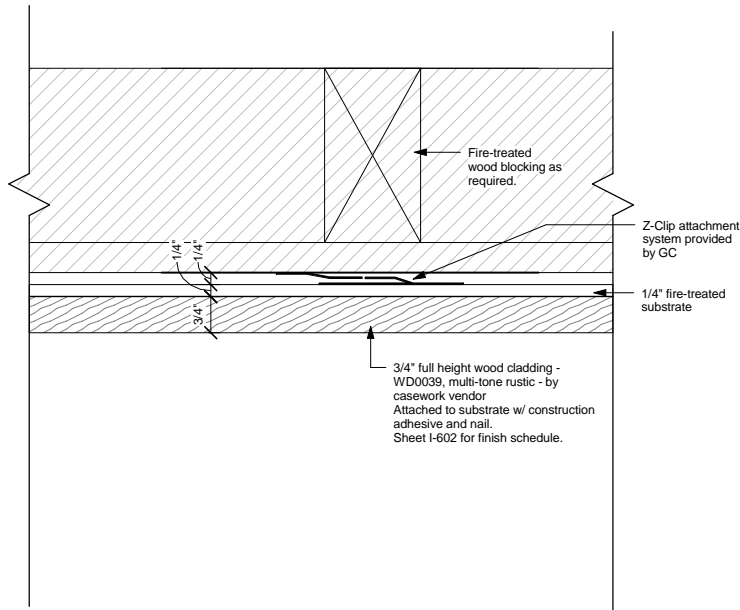
X UPPER CABINET ATTACHMENT

Scale: 1" = 1'-0"



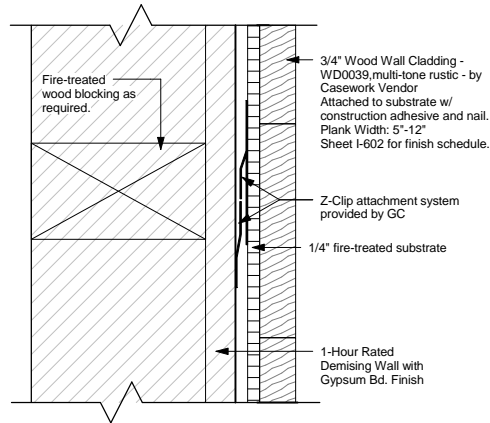
5 Wood Cladding Attachment - Base Dtl

Scale: 6" = 1'-0"



6 Wood Cladding Attachment - Plan Dtl

Scale: 6" = 1'-0"



7 Wood Cladding Attachment - Section Dtl

Scale: 6" = 1'-0"



**STARBUCKS COFFEE COMPANY**  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD

  
William J. Alkemeyer, P.E.  
363 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108

Engineering Consultant

Revision Schedule			
Rev	Date	By	Description
1	10.17.13		Revision 1

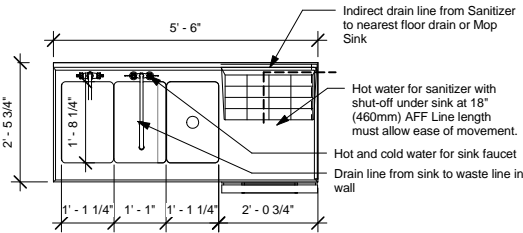
PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

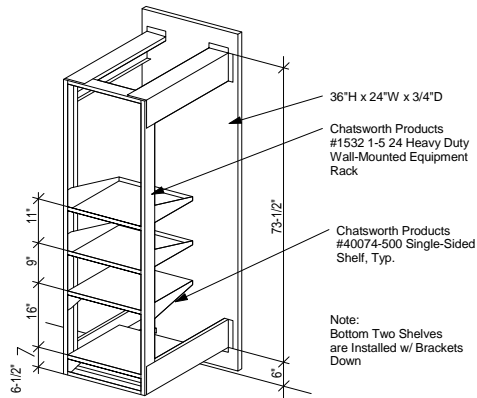
SHEET TITLE:  
**CONSTRUCTION DETAILS**

SCALE: As indicated

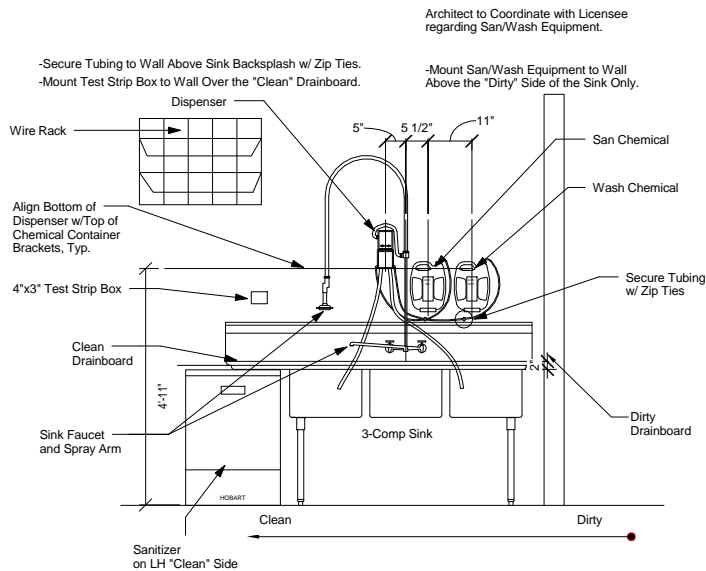
SHEET NUMBER:  
**I-5001**



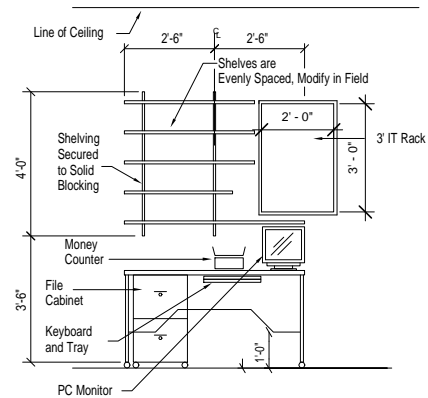
1 3-COMP SINK PLAN - SANTIZER BELOW - FOR REF. ONLY  
Scale: 1/2" = 1'-0"



3 Equipment Rack  
Scale: 3/8" = 1'-0"



2 Click San/Wash Install (Sanitizer Below) -MIRROR - FOR REFERENCE ONLY  
Scale: 1/2" = 1'-0"



4 Managers Desk - FOR REFERENCE ONLY  
Scale: 3/8" = 1'-0"



STARBUCKS COFFEE  
COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS

325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD



William J. Alkemeyer, P.E.  
363 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108

Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

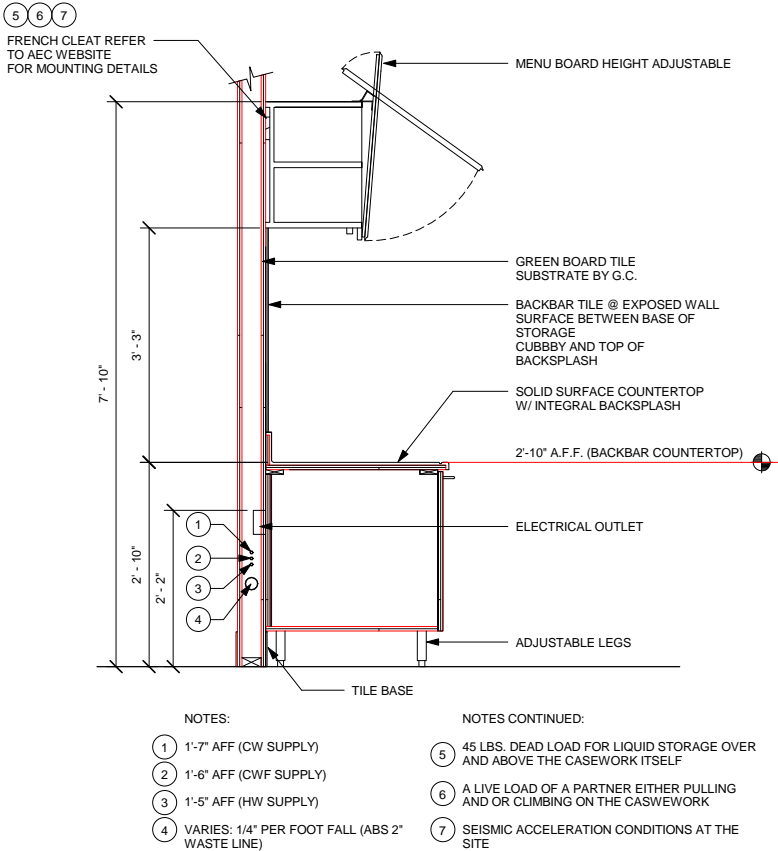
SHEET TITLE:

**WORKROOM DETAILS**

SCALE: As indicated

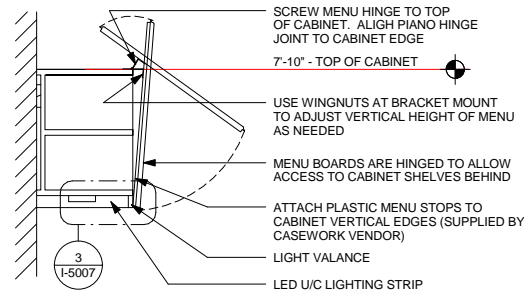
SHEET NUMBER:

**I-5003**



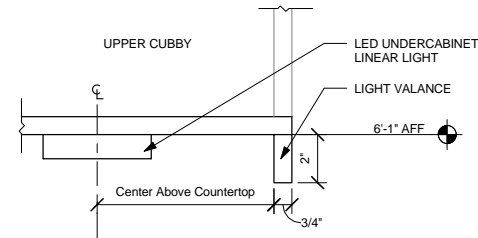
1 WALL SECTION AT BACKBAR

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



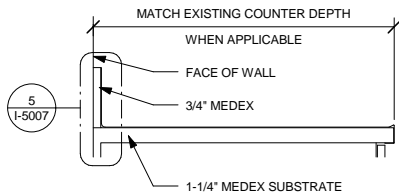
2 CASEWORK MENU MOUNTING SECTION

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



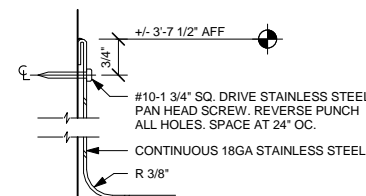
3 LIGHT VALANCE SECTION

Scale: 3" = 1'-0"



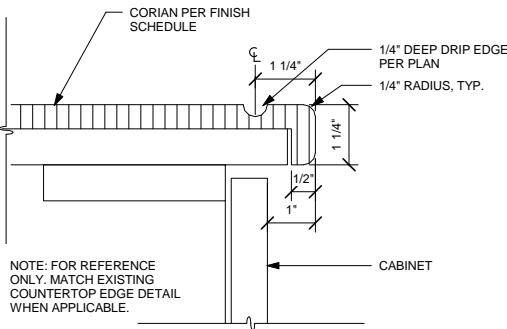
4 STAINLESS STEEL COUNTERTOP

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



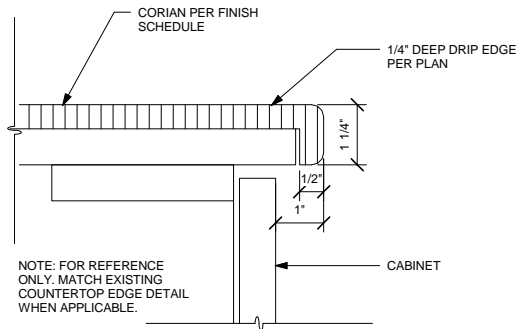
5 BACKSPLASH DETAIL

Scale: 6" = 1'-0"



6 TYP. CORIAN DRIP EDGE - BACKLINE

Scale: 6" = 1'-0"



7 TYP. CORIAN EDGE - FRONTLINE

Scale: 6" = 1'-0"



STARBUCKS COFFEE COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD

Engineering Consultant  
William J. Alkemeyer, P.E.  
353 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

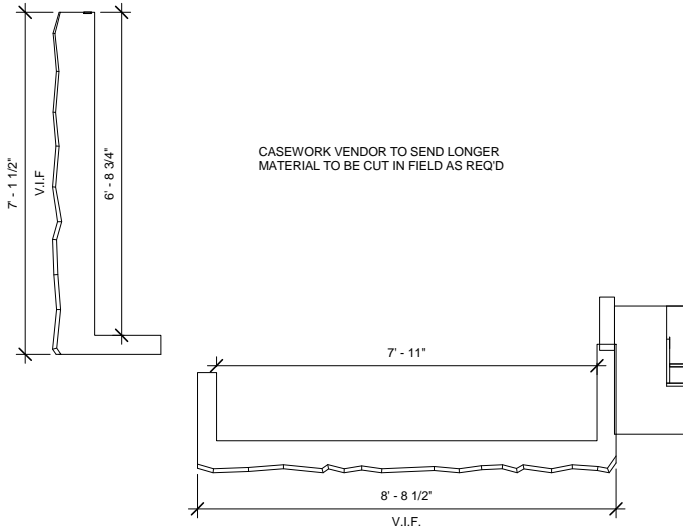
STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

SHEET TITLE:  
**CASEWORK DETAILS**

SCALE: As indicated

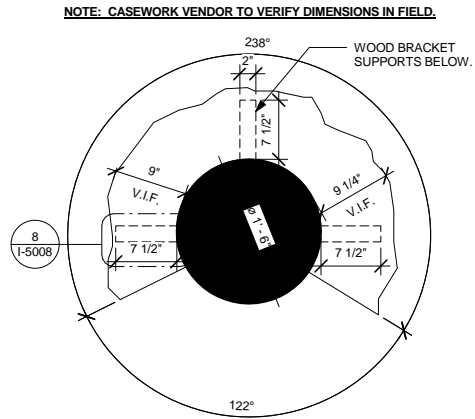
SHEET NUMBER:  
**I-5007**





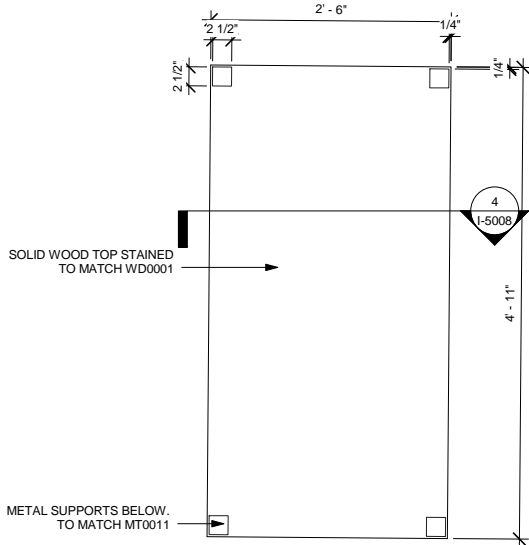
1 X0002 - LIVE EDGE ESP COUNTER

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



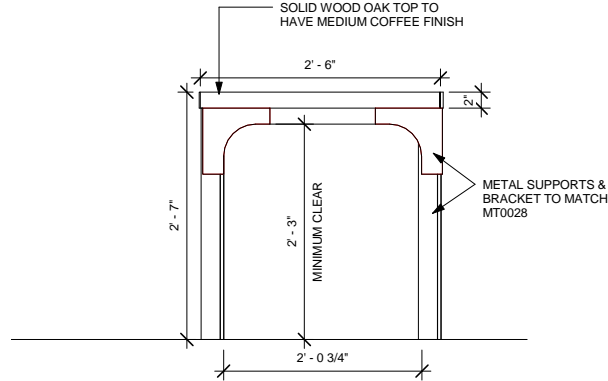
2 X0001 - LIVE EDGE COLUMN COUNTER

Scale: 1" = 1'-0"



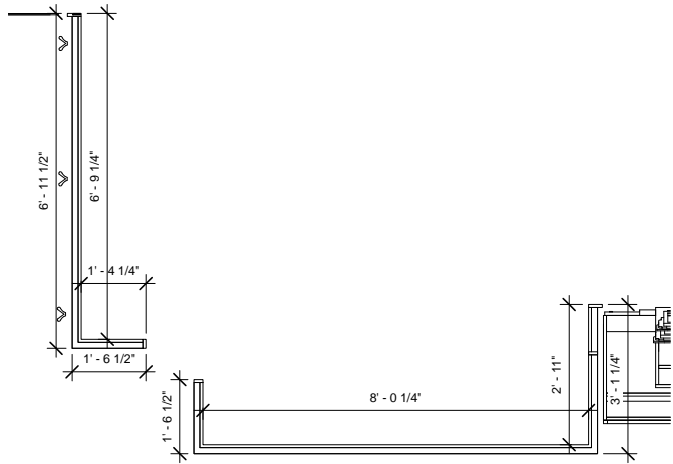
3 X0003 - ADA TABLE

Scale: 1" = 1'-0"



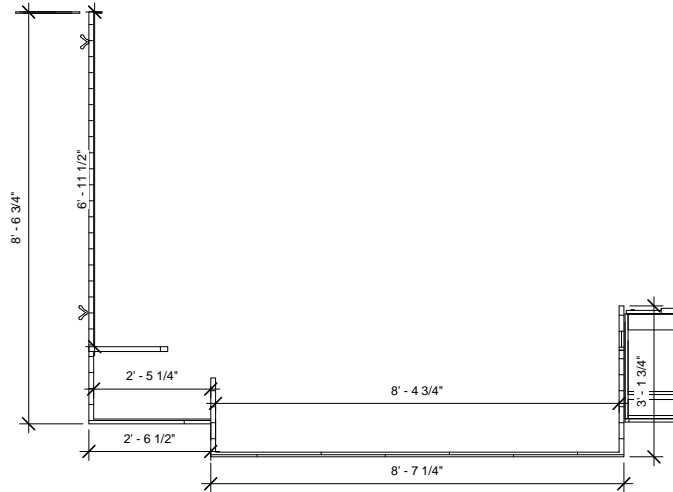
4 X0003 - ADA TABLE SECTION

Scale: 1" = 1'-0"



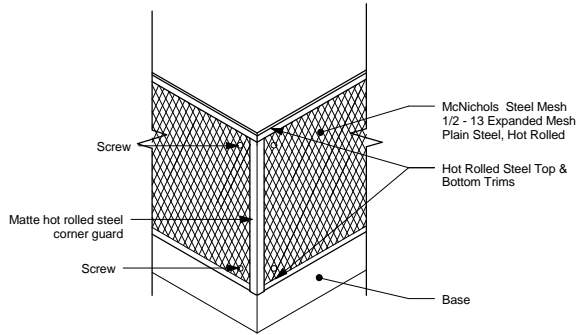
5 X0016 - ESPRESSO DIEWALL

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



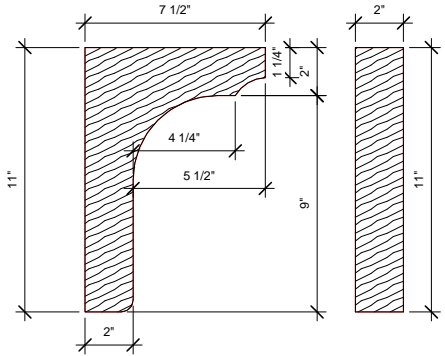
6 X0015 - ESPRESSO FINISH PANEL

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



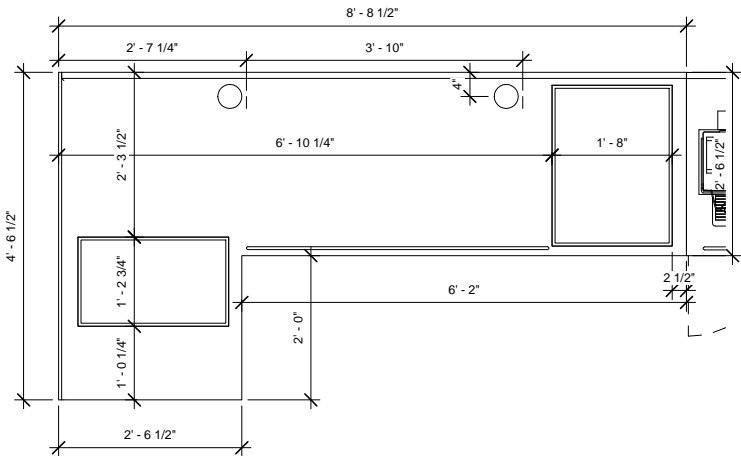
7 FIREPLACE DETAIL

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



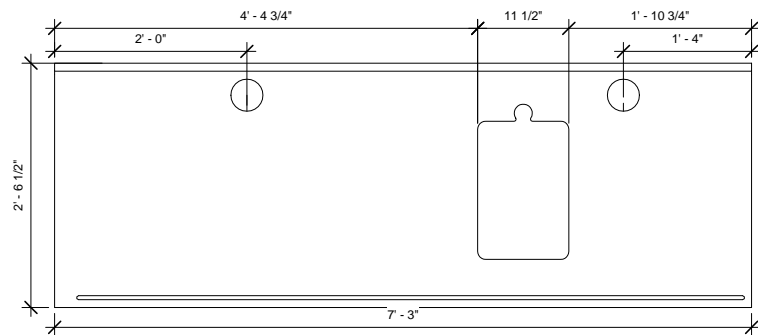
8 X0024 CUSTOM WOOD BRACKET

Scale: 3" = 1'-0"



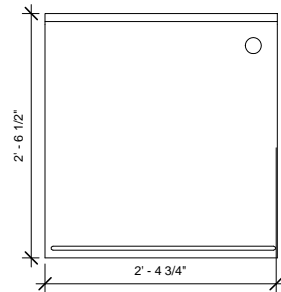
9 X0027 - CBS COUNTERTOP

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



10 X0028 - BRW COUNTERTOP

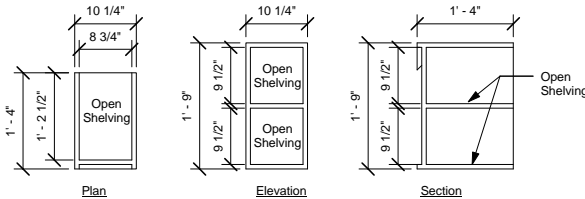
Scale: 1" = 1'-0"



11 X0029 - WRM COUNTERTOP

Scale: 1" = 1'-0"

Note: See Sheet I-602 for finish schedule.



12 X0031 - Custom Upper Cubby

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



STARBUCKS COFFEE  
COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD

**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD



William J. Alkemeyer, P.E.  
363 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108

Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

SHEET TITLE:  
**CASEWORK DETAILS**

SCALE: As indicated

SHEET NUMBER:  
**I-5008**

DATA DEVICE SCHEDULE - "A"				
DESIGN ID	COUNT	DESCRIPTION	RESP.	COMMENTS
X0008	1	EQUIPMENT RACK - 39IN	VD	CUSTOM SHORT EQUIPEMENT RACK - SUPPLIER: CHATSWORTH PRODUCTS #15322 HEAVY-DUTY WALL-MOUNTED EQUIPMENT RACK OPTION 2 - 23IN WIDE BY 38.5IN HIGH COLOR: GRAY WEBSITE: WWW.CHATSWORTH.COM

SPECIALTY EQUIPMENT SCHEDULE - "E"				
DESIGN ID	COUNT	DESCRIPTION	RESP.	COMMENTS
X0007	1	Custom Sink - 3 Comp Work SST - RH - 66in	WH	Elkay
COOLING				
10473	1	FRIDGE UNDERCOUNTER 2 DOOR - 48IN 1220MM	3PL	ENERGY STAR COMPLIANT
12618	1	FRIDGE UNDERCOUNTER 1 DOOR WITH SHELF - 27IN 685MM	3PL	ENERGY STAR COMPLIANT
13682	1	FREEZER REACH IN 2 DOOR - 54IN 1370MM	3PL	ENERGY STAR COMPLIANT
EQUIPMENT				
10845	2	OVEN TURBOCHEF CONVECTION MICROWAVE	VD	TURBOCHEF
12508	2	BLENDER QUIET MODEL ON COUNTER	VD	VITAMIX
FOOD CASE				
10797	1	FOOD CASE - STACKED - 66IN 1675MM - BRONZE	3PL	
ICE				
10344	1	ICE - BIN DROP IN 90LB 40KG	3PL	
OTHER				
10091	1	CUP DISPENSER TALL HOT VERTICAL	3PL	
10305	1	TRASH DROP RING LINER SQUARE - BLACK	3PL	
10314	1	SCALE DIGITAL WITH ADJUSTABLE DISPLAY MOUNT	WH	
10396	1	CUP DISPENSER SHORT HOT VERTICAL	3PL	
10791	2	CUP DISPENSER GRANDE VENTI COLD VERTICAL	3PL	
10855	2	CUP DISPENSER GRANDE VENTI HOT VERTICAL	3PL	
10858	1	CUP DISPENSER TALL COLD VERTICAL	3PL	
11115	1	SOAP DISPENSER SINK MOUNTED	3PL	
13330	1	MOBILE CUP DISPENSER CADDY	3PL	
13584	1	CUP DISPENSER TRENTA COLD VERTICAL	3PL	
X0026	18	CORNER GUARD - 1.25IN 30MM - PEWTER	VD	WOOD CORNER GUARD STAINED TO MATCH WAINSCOT PANEL (WD0039). BY CASEWORK VENDOR. SEE INTERIOR ELEVATIONS FOR HEIGHTS AND LOCATION
STORAGE				
10176	1	ROLLING PASTRY TRAY RACK	3PL	

FURNITURE SCHEDULE - "F"				
DESIGN ID	COUNT	DESCRIPTION	RESP.	COMMENTS
BENCH				
12148	2	BENCH - SLATTED METAL SUITE - BLACK MT0028	VD	
CHAIR				
12146	21	CHAIR - CAFE SLATTED METAL SUITE WITH ARMS - BLACK MT0028	3PL	
12330	2	CHAIR - LOUNGE BARREL BACK - BRICK RED NATURAL F0017	3PL	
12346	24	CHAIR - CAFE SCHOOLHOUSE - DISTRESSED DARK WARM BROWN WD0001	3PL	
12491	9	CHAIR - STOOL 29IN 735MM INDUSTRIAL UPHOLSTERED - BRICK RED NATURAL F0017	3PL	
DESK				
10211	1	DESK - MANAGERS WORKSTATION SMALL - 60X24X30IN 1525X610X760MM - ALMOND LAMINATE	3PL	MODIFY SHELVES IN FIELD.
OTHER				
10479	3	COAT HOOK 2 PRONG	WH	
TABLE				
12160	3	TABLE - ACCESSIBLE METAL SUITE - 39X23IN 990X585MM - BLACK MT0028	3PL	
12192	10	TABLE - BASE COCKTAIL DOME ACCENT - 12X25IN 305X639MM - HOT ROLLED STEEL MT0011	3PL	
12379	1	TABLE - OCCASIONAL X BASE - AGED DARK BROWN CM0001	3PL	
13886	4	TABLE - CAFE METAL SUITE SQUARE - 30IN 760MM - DARK OLIVE BROWN MT0036	3PL	
X0003	1	TABLE - ACCESSIBLE	VD	BY ICON MODERN. SOLID WOOD TOP WITH MEDIUM COFFEE FINISH ON OAK. METAL SUPPORTS AND BRACKETS TO MATCH MT0028. ADA ACCESSIBLE TABLE. SEE CASEWORK DETAIL SHEET FOR FURTHER INFORMATION.
X0021	10	TABLE - TOP SQUARE - 24IN	VD	PROVIDED BY ICON MODERN, MEDIUM COFFEE FINISH, OAK. ROCKY@ICONMODERN.COM P: 312.960.2067

GRAPHICS SCHEDULE - "G"				
DESIGN ID	COUNT	DESCRIPTION	RESP.	COMMENTS
GRAPHICS - INTERIOR MENU				
12837	4	MENU BOARD - 1 FRONT PANEL INSERT STYLE	VD	
12838	1	MENU BOARD - DAILY OFFERING CHALKBOARD FRONT PANEL RECTANGULAR	VD	
12839	5	MENU BOARD - UNIVERSAL MOUNTING HARDWARE FOR FRONT PANELS	VD	
X0010	1	MURAL AT WOOD CLAD WALL	VD	BY GFX. 5'7" x 3'5". 2" WOOD FRAME STAINED TO MATCH WD0001. IMAGE: NS0144
X0011	1	ART AT SIT HERE BAR	VD	BY GFX. 1'4" x 2'8". 2" WOOD FRAME STAINED TO MATCH WD0001. IMAGE: NS00186
X0012	1	COMMUNITY BOARD WITH COFFEE IMAGES	VD	COMMUNITY BOARD COFFEE IMAGES: NS 0204 & NS 0201. 2IN OUTER WOOD FRAME WITH 1IN INSIDE TRIM PIECES ALL STAINED TO MATCH WD0001. SEE INTERIOR ELEVATIONS FOR MORE INFORMATION.
X0013	1	LOCAL RELEVANCE ART	VD	BY GFX. 2' 3" x 3". 2" WOOD TRIM STAINED TO MATCH WD0001. LOCAL RELEVANCE ART TO BE COORDINATED WITH DESIGN MANAGER. SEE INTERIOR ELEVATIONS FOR MORE INFORMATION
X0014	1	LOCAL RELEVANCE ART	VD	BY GFX. 2' 3" x 3". 2" WOOD TRIM STAINED TO MATCH WD0001. LOCAL RELEVANCE ART TO BE COORDINATED WITH DESIGN MANAGER. SEE INTERIOR ELEVATIONS FOR MORE INFORMATION
GRAPHICS - OTHER				
11188	1	RESTROOM SIGN WOMEN	VD	
11243	1	RESTROOM SIGN MEN	VD	

PLUMBING FIXTURE SCHEDULE - "P"				
DESIGN ID	COUNT	DESCRIPTION	RESP.	COMMENTS
DRAIN				
10309	5	DRAIN - FLOOR SINK WITH HALF GRATE SQUARE - 12IN 305MM	GC	GC TO PROVIDE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
FAUCET				
10152	1	FAUCET - DOUBLE LABORATORY WITH BENT RISER SPOUT	GC	
10153	1	FAUCET - WATER TOWER - 12IN 305MM	3PL	
10215	3	FAUCET - DOUBLE LABORATORY WITH SWING SPOUT	3PL	
10597	1	FAUCET - SINGLE HANDLE	3PL	
10874	1	FAUCET - HOT WATER DISPENSER GOOSENECK	3PL	
10943	1	FAUCET - SINGLE LABORATORY WITH SWING SPOUT	3PL	
11003	1	FAUCET - DIPPERWELL	3PL	
11032	1	FAUCET - DOUBLE JOINTED SWING SPOUT	3PL	
SINK				
10505	1	SINK - RINSE DROP IN - 27X20IN 685X510MM	3PL	
10549	1	SINK - RINSE DROP IN SST - 12X20IN 305X510MM	3PL	

DOOR SCHEDULE - "D"				
DESIGN ID	COUNT	DESCRIPTION	RESP.	COMMENTS
X0030	1	COMMERCIAL GRADE BYPASS DOOR	GCVD	COMMERCIAL GRADE SLIDING BYPASS DOOR WITH ALUMINUM TRACK AND FASCIA 2-DR CONFIGURATION, MODEL 138F. DOOR THICKNESS: 1-3/8". BRONZE ANODIZED TRACK AND HARDWARE. STAIN TO MATCH WD0001. JOHNSON HARDWARE. WWW.JOHNSONHARDWARE.COM. T: 800.837.5664. INFO@JOHNSONHARDWARE.COM
DOOR				
10086	1	DOOR - SINGLE IMPACT DOUBLE ACTING - 36IN 915MM	VD	LOCKNET. ELIASON DOOR WITH HARDWARE. FINISH WILSONART PL0014 - MONTANA WALNUT.

SIGNAGE SCHEDULE - "S"					
DESIGN ID	COUNT	DESCRIPTION	RESP.	BULB	COMMENTS
SIGNAGE - DISK					
13163	2	SIGN - DISK SF ILLUMINATED FLUSH MOUNTED EVOLVED - 48IN 1220MM	SB	LED	BY HILTON DISPLAYS. TRACIE GESEL. 864.233.0401. TRACIEGESEL@HILTONDISPLAYS.COM

LIGHTING FIXTURE SCHEDULE - "L"						
DESIGN ID	COUNT	DESCRIPTION	RESP.	BULB	MAX WATTAGE	COMMENTS
CAN						
11194	12	CAN - SURFACE MOUNTED TALL - 6IN 150MM - BLACK	VD	(1) 13351 - LED PAR 30 10-19W FLOOD		PROVIDED BY CED
LAMP						
12894	6	INCAND EDISON T9 30W BEACON FILAMENT	VD			PROVIDED BY CED
12903	14	LED PAR 30S 10-19W NFL	VD			PROVIDED BY CED
13351	12	LED PAR 30L 10-19W FLOOD	VD			PROVIDED BY CED
X0020	4	1910 SQUIRREL-CASE FILAMENT BULB	VD		40W	PROVIDED BY CED. RESTORATION HARDWARE: 1910 SQUIRREL CAGE FILAMENT BULB. ITEM # 68260003
PENDANT						
12348	6	PENDANT - SMALL METAL MESH CYLINDER - BLACKENED STEEL MT0019	SB	(1) 12894 - INCAND T9 EDISON 30-39W		PROVIDED BY CED. SURFACE MOUNTED.
X0019	4	PENDANT - REFLECTOR PENDANT	VD	(1) 12885 - CFL G30 10-19W		PROVIDED BY CED. MANUFACTURER: RESTORATION HARDWARE. REFLECTOR FILAMENT 11" PENDANT. FINISH: AGED STEEL. DIMS: 11" DIAM, 6 3/4" HEIGHT. ITEM# 68060510 ASTL
STRIP						
12552	11	TASK LIGHT INTEGRATED LED - 22IN 560MM - BLACK	VD	(6) INTEGRAL LED 1W		PROVIDED BY CED
TRACK						
12935	2	TRACK - WITH CONNECTORS - 8FT 244CM - WHITE	VD			PROVIDED BY CED
12946	1	TRACK - WITH CONNECTORS - 4FT 122CM - BLACK	VD			PROVIDED BY CED
12960	14	TRACK - FIXTURE OPEN FLARED - 5IN 125MM - WHITE	VD	(1) 12903 - LED PAR 30S 10-19W NARROW FLOOD		PROVIDED BY CED

Existing Items to be Relocated - DO NOT ORDER				
Design ID	Count	Description	Category	Comments
Data Devices				
10008	2	REGISTER COMPACT	Data Devices	EXISTING ITEM TO BE RELOCATED
10014	2	POS PRINTER	Data Devices	EXISTING ITEM TO BE RELOCATED
Lighting Fixtures				
12561	11	CAN - RECESSED HOUSING - 5IN 125MM - EXISTING CEILING	Lighting Fixtures	EXISTING ITEM TO BE RELOCATED
Specialty Equipment				
10102	1	ICE - BIN 590LB	Specialty Equipment	EXISTING ITEM TO BE RELOCATED
10312	2	BREWER SINGLE SOFT HEAT WARMING STAND	Specialty Equipment	EXISTING ITEM TO BE RELOCATED
10416	9	WORKROOM WIRE SHELVEING	Specialty Equipment	EXISTING ITEM TO BE RELOCATED
10462	9	WORKROOM WIRE SHELVEING POSTS	Specialty Equipment	EXISTING ITEM TO BE RELOCATED
10746	1	BREWER DUAL SOFT HEAT	Specialty Equipment	EXISTING ITEM TO BE RELOCATED
10856	2	BREWER SERVER SOFT HEAT	Specialty Equipment	EXISTING ITEM TO BE RELOCATED
10971	1	ICE - MACHINE 625LB AIR COOLED SIDE VENT	Specialty Equipment	EXISTING ITEM TO BE RELOCATED
11014	1	FREEZER REACH IN 1 DOOR LH - 29IN 735MM	Specialty Equipment	EXISTING ITEM TO BE RELOCATED
11070	1	Dishwasher Sanitizer	Specialty Equipment	EXISTING ITEM TO BE RELOCATED
11083	1	FRIDGE REACH IN 2 DOOR - 51X35IN 1295X890MM	Specialty Equipment	EXISTING ITEM TO BE RELOCATED
12694	2	ESPRESSO MACHINE MASTRENA	Specialty Equipment	EXISTING ITEM TO BE RELOCATED

RESPONSIBILITY LEGEND

- SB - STARBUCKS  
GC - GENERAL CONTRACTOR  
VD - VENDOR  
LL - LANDLORD



STARBUCKS COFFEE COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD  
**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.24241 www.norr.com

ENGINEER OF RECORD  
  
William J. Alkemeyer, P.E.  
363 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108  
Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

SHEET TITLE:  
**SCHEDULES**  
SCALE:  
SHEET NUMBER:  
**I-6001**

PAINT SCHEDULE				
COLOR CODE	DESCRIPTION	LRV	RESP.	COMMENTS
P534-SG	SW- P534 BLACK FOX - SEMI GLOSS	8	GC	DOOR FRAMES. SHERWIN WILLIAMS BLACK FOX SW7020 - USE PRIMER CP-1. SEE INTERIOR ELEVATIONS.
P554-ES	SW - P554 INTELLECTUAL GREY- EGGSHELL	36	GC	FIELD PAINT AND CEILINGS. SHERWIN WILLIAMS INTELLECTUAL GREY SW7045; USE PRIMER CP-1. SEE INTERIOR ELEVATIONS
P560-ES	SW- P560 ROYCROFT PEWTER - EGGSHELL	7	GC	ACCENT WALLS. SHERWIN WILLIAMS ROYCROFT PEWTER: SW2848 - USECP-1 PRIMERSEE INTERIOR ELEVATIONS

WALL BASE SCHEDULE - "B"				
DESIGN ID	LENGTH	DESCRIPTION	RESP.	COMMENTS
TILE BASE				
11361	15' - 2 3/4"	TILE BASE - BIANCO - 6X12IN 150X305MM	VD	GROUT: MAPEI 09 - GRAY
13101	244' - 11 1/2"	TILE BASE - GRAPHITE - 6X12IN 150X305MM	VD	GROUT GR0007; MAPEI 47 - CHARCOAL USE WITH OUTSIDE CORNER TILE 12300

WALL TREATMENT (AREA) SCHEDULE - "Q"				
DESIGN ID	AREA	DESCRIPTION	RESP.	COMMENTS
Ceramic				
12216	154 SF	Tile - Antique Cream -- 2" x 8"	VD	Ceramic Backbar Tile. Grout Specification Mapei - 02 Pewter
Plastic				
11469	215 SF	FRP - White	GC	MARLITE. STANDARD FRP. SMOOTH SURFACE. WHITE

WALL TREATMENT (LENGTH) SCHEDULE- "R"				
DESIGN ID	LENGTH	DESCRIPTION	RESP.	COMMENTS
12173	96' - 7 3/4"	Chair Rail - 4in 100mm.	VD	See Casework Finish Schedule for Material
X0025	83' - 9 1/2"	WOOD WAINSCOT PANEL -	VD	WOOD WAINSCOT PANEL STAINED TO MATCH WD0039. SEE INTERIOR ELEVATIONS FOR HEIGHT. BY CASEWORK VENDOR
TILE BASE				
11361	15' - 2 3/4"	TILE BASE - BIANCO - 6X12IN 150X305MM	VD	GROUT: MAPEI 09 - GRAY
13101	244' - 11 1/2"	TILE BASE - GRAPHITE - 6X12IN 150X305MM	VD	GROUT GR0007; MAPEI 47 - CHARCOAL USE WITH OUTSIDE CORNER TILE 12300
WAINSCOT				
X0023	9' - 8 1/4"	MESH PANEL AT FIREPLACE	VD	McNICHOLS STEEL MESH, 1/2 - 13 EXPANDED MESH. PLAIN STEEL HOT ROLLED. ITEM # 4600121348. WWW.MCNICHOLS.COM. 877.884.4653

FLOOR TREATMENT SCHEDULE - "T"				
DESIGN ID	AREA	DESCRIPTION	RESP.	COMMENTS
FLOOR				
11457	203 SF	Tile - Diamante - 12x12	VD	GROUT- MAPEI 09 - GREY.ASSOCIATED IMPORTS, DIAMANTE, NATURAL FINISH 12X12
X0004	1032 SF	RUBBER FLOOR TILE - 24"x24"	GC	JOHNSONITE FLOORING. TRIUMPH. SMH-743. MUDDY WATERS WG. SURFACE TEXTURE: HAMMERED. TILE SIZE:24" x 24". THICKNESS: 1/8". INSTALL PER MANUFACTURER'S INSTRUCTIONS. WWW.JOHNSONITE.COM. 800.899.8916 16910 MUNN ROAD, CHAGRIN FALLS, OHIO 44023

CEILING TREATMENT SCHEDULE - "U"				
DESIGN ID	AREA	DESCRIPTION	RESP.	COMMENTS
CEILING				
10517	19 SF	ACT - WHITE - 2X2FT 61X61CM	GC	VINYL CLAD ACT CEILING. REPAIR CEILING IN WORKROOM AS NEEDED FROM WALL DEMO.

CASEWORK SCHEDULE - "C"				
DESIGN ID	COUNT	DESCRIPTION	RESP.	COMMENTS
X0001	1	COUNTERS AT COLUMNS	VD	CUSTOM WOOD BAR HEIGHT COUNTERTOPS AT COLUMNS. LIVE EDGE. STAINED TO MATCH WD0001
X0006	2	VERTICAL TRIM AT BACKBAR	VD	2IN VERTICAL WOOD TRIM AT BACKBAR. TOTAL LENGTH NEEDED: 10' 4". STAINED TO MATCH WD0001
X0007	1	WOOD TRIM AT ELIASON DOOR	VD	2IN WOOD TRIM STAINED TO MATCH WD0001
CABINET				
11941	1	CABINET - WARMING CART BASE	VD	
11972	1	CABINET - ESPRESSO - 24IN 610MM	VD	
11977	11	CABINET - UPPER CUBBY - 24X16X21IN 610X405X535MM	VD	
12007	1	CABINET - SINK OR ICE BIN - 24IN 610MM	VD	
12050	1	CABINET - POS BRIDGE FOR SAFE - 22X27IN 560X685MM	VD	
12067	1	CABINET - WARMING WITH TRASH DROP - 12IN 305MM	VD	
12080	3	CABINET - 15IN 380MM	VD	
12082	1	CABINET - CBS ICE BIN - LH - 24IN 610MM	VD	
12096	1	CABINET - WITH DRAWER - 15IN 380MM	VD	
12098	1	CABINET - BREW GRIND - 24IN 610MM	VD	
12111	2	CABINET - POS - 22IN 560MM	VD	
x0031	1	CABINET - UPPER CUBBY	VD	CUSTOM WIDTH: 10 1/4"
CAFE				
12236	1	CONDIMENT CART SINGLE TOP SOLID SURFACE	VD	
12374	1	CONDIMENT CART SINGLE BASE FRAME	VD	NOT PROVIDED BY CASEWORK VENDOR
13377	1	CONDIMENT CART SINGLE FINISH PANELS	VD	
13399	1	CONDIMENT CART SINGLE METAL TOP ASSEMBLY	VD	NOT PROVIDED BY CASEWORK VENDOR
COUNTERTOP				
11931	1	COUNTERTOP - ESPRESSO RINSE SINK STAINLESS - LH - 126 OR 137IN 3200 OR 3480MM	VD	
11982	1	COUNTERTOP - WARMING WITH FRONT BUMPER STAINLESS - 29IN 735MM	VD	
12035	1	COUNTERTOP - POS SOLID SURFACE - 66IN 1675MM	VD	
12120	1	COUNTERTOP - HANDOFF SOLID SURFACE - LH - 30X35IN 760X890MM	VD	
12441	1	COUNTERTOP - ESPRESSO WING ICE BIN STAINLESS - LH	VD	
13265	1	COUNTERTOP - HAND SINK LOW SPLASH STAINLESS - 15IN 380MM	VD	
X0027	1	COUNTERTOP - CBS SOLID SURFACE - LH - 105X48IN 2655X1215MM	VD	
X0028	1	COUNTERTOP - BREW GRIND RINSE SINK AND TRASH SOLID SURFACE - LH - 93IN 2360MM	VD	
X0029	1	COUNTERTOP - WARMING SOLID SURFACE - 42IN 1065MM	VD	
DIEWALL				
11909	1	DIEWALL - HANDOFF SUPPORT - LH - 31X19IN 795X490MM	VD	
X0002	1	DIEWALL - ESPRESSO TOP CAP - LH - 137IN 3480MM	VD	WISCONSIN BUILT. STAINED TO MATCH WD0001. SEE CASEWORK DETAIL SHEET FOR FURTHER INFORMATION.
X0016	1	DIEWALL - ESPRESSO - LH - 137IN 3480MM	VD	
OTHER				
10133	1	FRENCH CLEAT - 96IN 2440MM	VD	
11142	1	CORBEL SUPPORT - 24IN 610MM	VD	
11155	2	ESPRESSO MACHINE PUMP MOUNT - 10X10IN 255X255MM	VD	
11885	1	POS CASH CORRAL DOUBLE - 40IN 1015MM	VD	OPTIONAL CASH CORRAL. DESIGN TO VERIFY IF REQUIRED.
12100	4	ESPRESSO COUNTERTOP SUPPORT LEG STAINLESS	VD	
12449	1	ESPRESSO SNEEZE GUARD - 137IN 3480MM	VD	
12816	2	FRENCH CLEAT - VARIABLE TO 96IN 2440MM	VD	DESIGNER TO VERIFY QUANTITY. PROVIDE OVERALL LENGTH REQUIRED
X0024	4	SUPPORT BRACKET FOR COLUMN COUNTERS	VD	WOOD SUPPORT BRACKET AT LIVE EDGE COLUMN COUNTERS. VERIFY PER FINAL COUNTERTOP DIMENSION. STAIN TO MATCH WD0001.
PANEL				
12047	2	PANEL - POS - 33IN 840MM	VD	
X0015	1	PANEL - ESPRESSO - LH - 137IN 3480MM	VD	
SOFFIT				
10955	4	SOFFIT - LIGHT VALANCE - 96X2IN 2440X50MM	VD	

CW FINISH - NCS HERITAGE			
LOCATION	DESCRIPTION	FINISH CODE	COMMENTS
WAINSCOT AT CAFE WALLS	WOOD WAINSCOT	WD0039	WAINSCOT PANELS AT CAFE - BY CASEWORK VENDOR. STAINED TO MATCH WD0039.
WOOD CLADDING AT LOCKER WALL	WOOD WALL CLADDING	WD0039	FULL HEIGHT WOOD WALL CLADDING. WD0039
CONCEPT FINISH			
BACKBAR CASEWORK EXTERIOR	PLASTIC LAMINATE - MEDIUM TONE BROWN WITH GRAIN	PL0014	
BACKBAR COUNTERTOPS	COMPOSITE - GREY	CP0013	
BACKBAR STORAGE CUBBIES	PLASTIC LAMINATE - MEDIUM TONE BROWN WITH GRAIN	PL0014	
CHAIR RAIL	WOOD - WARM BROWN DARK TONE DISTRESSED	WD0001	
CONDIMENT CART TOP	COMPOSITE - GREY	CP0013	
CONDIMENT CART, ETAGERE, MERCH BAY EXTERIOR	PLASTIC LAMINATE - MEDIUM TONE BROWN WITH GRAIN	PL0014	
ESPRESSO COUNTERTOPS	STAINLESS STEEL - #4 BRUSHED 16GA SST	CP0013	
ESPRESSO COUNTERTOPS, HANDOFF	COMPOSITE - GREY	CP0013	
ESPRESSO FINISH PANELS	WOOD - RECLAIMED EASTERN MAPLE	X0022	WINDFALL LUMBER. TEXTILE FLOORING, RECLAIMED EASTERN MAPLE, ORIGINAL FINISH. WINDFALL LUMBER. T. 360.352.2250. WWW.WINDFALLLUMBER.COM
ESPRESSO TOP CAP/ESPRESSO TASTING COUNTER	WOOD - WARM BROWN DARK TONE DISTRESSED	WD0001	LIVE EDGE
ESPRESSO WING, HANDOFF FINISH PANELS	WOOD - RECLAIMED EASTERN MAPLE	X0022	WINDFALL LUMBER. TEXTILE FLOORING, RECLAIMED EASTERN MAPLE, ORIGINAL FINISH. WINDFALL LUMBER. T. 360.352.2250. WWW.WINDFALLLUMBER.COM
FINISH PANEL BRACKETS	HOT ROLLED STEEL	MT0011	
FINISH PANEL TRIM	HOT ROLLED STEEL WITH MATTE SEALER	MT0011	
POS, FRONTBAR COUNTERTOPS	COMPOSITE - GREY	CP0013	
POS, FRONTBAR, POS CASH CORRAL FINISH PANELS	WOOD - RECLAIMED EASTERN MAPLE	X0022	WINDFALL LUMBER. TEXTILE FLOORING, RECLAIMED EASTERN MAPLE, ORIGINAL FINISH. WINDFALL LUMBER. T. 360.352.2250. WWW.WINDFALLLUMBER.COM
MISCELLANEOUS FINISH			
CORE CASEWORK INTERIOR	PLASTIC LAMINATE - ALMOND (ST655-S)		
ESPRESSO, CUSTOMER BAR SNEEZE GUARD	TEMPERED GLASS		
ESPRESSO, CUSTOMER BAR SNEEZE GUARD HARDWARE	STAINLESS STEEL - #4 BRUSHED 16GA SST		
ESPRESSO, POS, FRONTBAR CABINET BACK	PLASTIC LAMINATE - BLACK		
HAND SINK COUNTERTOP	STAINLESS STEEL - #4 BRUSHED 16GA SST		
OVER "BLACK" DUPLEX OUTLETS IN WAINSCOT LOCATIONS	SWITCHPLATE - PART #4752-112-CD VENETIAN BRONZE		GC SUPPLIED
POS, FRONTBAR CABINET SIDE	PLASTIC LAMINATE - BLACK		

CASEWORK MCS CABINET BASE OPTION SCHEDULE			
DESIGN ID	COUNT	BASE OPTION	DESCRIPTION
11941	1	Other	CABINET - WARMING CART BASE
11972	1	Other	CABINET - ESPRESSO - 24IN 610MM
12007	1	Other	CABINET - SINK OR ICE BIN - 24IN 610MM
12050	1	Box Base	CABINET - POS BRIDGE FOR SAFE - 22X27IN 560X685MM
12067	1	Other	CABINET - WARMING WITH TRASH DROP - 12IN 305MM
12080	3	Other	CABINET - 15IN 380MM
12082	1	Other	CABINET - CBS ICE BIN - LH - 24IN 610MM
12096	1	Other	CABINET - WITH DRAWER - 15IN 380MM
12098	1	Other	CABINET - BREW GRIND - 24IN 610MM
12111	2	Box Base	CABINET - POS - 22IN 560MM

RESPONSIBILITY LEGEND

SB - STARBUCKS  
GC - GENERAL CONTRACTOR  
VD - VENDOR  
LL - LANDLORD



STARBUCKS COFFEE COMPANY  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND SPECIFICATIONS ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANYTIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION NOR LIABILITY TO THE OTHER (EXCEPT STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

ARCHITECT OF RECORD  
**NORR**  
ARCHITECTS PLANNERS  
325 N. LaSalle St. Suite 700 Chicago, IL 60654  
t 312.424.2400 f 312.424.2424 | www.norr.com

ENGINEER OF RECORD  
  
William J. Alkemeyer, P.E.  
363 Marshall Avenue  
St. Louis, Missouri 63119  
Phone (314) 772-1782  
Fax (314) 772-0108  
Engineering Consultant

Revision Schedule				
Rev	Date	By	Description	
1	10.17.13		Revision 1	

PROJECT NAME:  
**RED ARROW**  
PROJECT ADDRESS:  
**920 WATER STREET  
MILWAUKEE, WI 53202**

STORE #: 2678  
PROJECT #: 14516-022  
CONCEPT: NCS  
PALETTE: HERITAGE  
ISSUE DATE: 10.17.13  
DESIGN MANAGER: S. RYCHLIK  
LEED® AP: N/A  
PRODUCTION DESIGNER: C. ALINOVICH, NORR  
CHECKED BY: K. GORIN, NORR

SHEET TITLE:  
**SCHEDULES**  
SCALE:  
SHEET NUMBER:  
**I-6002**