

**Request for Information**

**RFI 155 - Mixing Valve Clarifications**

*Date Submitted* 2/2/2016                      *To* Fred Hofmann                      *From* Robert Bowman  
*Date Required* 2/9/2016                      Rossetti                      Morley Construction Company  
*Discipline* Plumbing                      Tel: (313) 463-5151                      Tel: 310-399-1600  
*Author RFI Ref.* None                      fhofmann@rossetti.com                      rbowman@morleybuilders.com

Document Ref.	Number	Title	Revision
	P-001	PLUMBING SCHEDULES, NOTES AND DETAILS	Aug 12, 2015 - No: 1
	P-211	PLUMBING GROUND LEVEL PLAN - NORTH	Nov 20, 2015 - No: 2
	P-212	PLUMBING GROUND LEVEL PLAN - SOUTH	Sep 18, 2015 - No: 1
	P-222	PLUMBING UPPER LEVEL PLAN - SOUTH	Sep 18, 2015 - No: 1

**Question**

*Attachments* None

Several mixing valves were relocated in ASI-010 to the following locations:

- MV-1-1 - Defenders Hydro 1081
- MV-1-2 - Visitors Toilet/Locker 1033
- MV-1-3 - Janitors Closet 1016.1
- MV-1-4 - Hydro Equipment 1007
- MV-1-5 - Defenders Toilet 1075
- MV-1-6 - Officials Toilet B 1051
- MV-2-1 - Coaches Shower 2096

1. These mixing valve cabinets are 8" deep, and per the schedule on P-001 they are shown to be recessed. However, the walls at the locations indicated are less than 8". For each mixing valve, please clarify if it should be surface mounted, semi-recessed (if so, please provide recessed depth), or fully recessed (if so, please provide new wall type and wall dimensions).
2. Per the approved submittals (see attached) the mixing valves are shown with a return line, however this is not shown on the plumbing drawings. Please confirm if a return line is required.

MV-1-1: Locate recessed at furred out east wall (type D32) of 1081, 4" east of 5.8-line, just south of E-line. See "SK-155.2\_A-112\_mixing-valve.pdf".  
MV-1-2: Locate recessed in double wall (double type D32) in 1033 between lav. & urinal, See "SK-155.1\_A-111\_mixing-valve.pdf".  
MV-1-3: Surface mount at east wall of JC 1016.1.  
MV-1-4: Provide semi-recessed install at west wall of 1007 (in lieu of at south wall to avoid duct conflict, as noted by MCC).  
MV-1-5: Furr-out north wall of 1071 (type M32) to locate recessed at south wall of 1075. See "SK-155.2\_A-112\_mixing-valve.pdf".  
MV-1-6: locate recessed at furred-out south portion of east wall in WC stall in 1051 (type D32) just north of F line. See "SK-155.2\_A-112\_mixing-valve.pdf".  
MV-2-1: Surface mount at west wall of JC 2096.1, just north of A.8-line. (WW, P+W, 2/8/16)

**Answer**

*Date Answered* \_\_\_\_\_ *Answered By* \_\_\_\_\_

- MV-1-1, Architect to provide wall fur-out at revised location per the IFC Set.
- MV-1-2, Architect to provide wall fur-out at revised location per the IFC Set.
- MV-1-3, Cabinet can be surface mounted at revised location per the IFC Set.
- MV-1-4, Architect to provide wall fur-out at revised location per the IFC Set.
- MV-1-5, Architect to provide wall fur-out at revised location per the IFC Set.
- MV-1-6, Architect to provide wall fur-out at revised location per the IFC Set.
- MV-2-1, Architect to provide wall fur-out at revised location per the IFC Set.

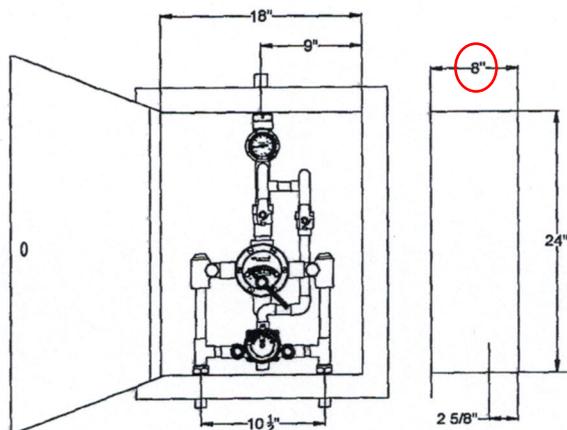
1. The Architect shall coordinate wall fur-out depth at each cabinet location.
2. The mixing valves serve only the shower valve and a return line shall not be required. Disregard piping method #2. GPM in each system varies.

# NEXT GENERATION HIGH LOW SYSTEM

## ECO-MIX™

### TM-186-520B-LF STSTL-REC Cabinet Assembly

- Large Type TM Thermostatic water mixing valve, adjustable high temperature limit stop\*, inlet checkstops, wall support, outlet ball valve
- Small Type TM Thermostatic water mixing valve, adjustable high temperature limit stop\*, inlet checkstops, outlet ball valve
- 3/4" inlets, 1" outlet (19mm X 25mm)
- 1 GPM (3.8 l/min) minimum flow capacity
- Color-coded dial thermometer (0 to 140°F, -10 to 60°C)
- Inlet manifold piping
- Locking temperature regulators
- Recessed cabinet with hinged door and cylinder lock
- Factory assembled and tested



This product is certified to meet Low Lead requirements of wetted surface area containing less than 0.25% lead by weight

**OPTIONS:**

- \_\_\_ SUFFIX CP - Chrome plated (Material finish may vary)
- \_\_\_ SUFFIX BWE REC- Steel cabinet, baked white enamel recessed
- SUFFIX STSTL REC- Stainless Steel recessed cabinet
- \_\_\_ SUFFIX BWE EXP- Exposed cabinet, baked white enamel
- \_\_\_ SUFFIX STSTL EXP- Exposed cabinet, Stainless steel
- \_\_\_ SUFFIX SEMI- Semi-recessed frame 4" deep
- \_\_\_ SUFFIX VIEW- View port on door
- \_\_\_ SUFFIX TC- Test connection on outside of exposed cabinets only and shipped loose
- \_\_\_ SUFFIX IT- Inlet thermometers on outside of exposed cabinets only and shipped loose

MINIMUM FLOW (GPM) (l/min)	SYSTEM PRESSURE DROP (PSIG)										PSI BAR	
	5	10	15	20	25	30	35	40	45	50		
1.0 (3.8)	.3	.7	.97	1.4	1.7	2.1	2.4	2.8	3.1	3.4	75 284	GPM l/min

Valve assembly is ASSE 1017 Certified



Valve assembly is CSA Certified



NOTE: Flowrates will vary depending on existing field conditions. Leonard Valve Company always recommends using CASPAK® sizing software for proper valve sizing and model number applications.

Note: Leonard Valve Company reserves the right of product, or design modifications without notice or obligation.

**CAUTION!** All thermostatic water mixing valves have limitations. They will NOT provide the desired accuracy outside of their flow capacity range. Consult the Flow Capacity Chart and DO NOT OVERSIZE. Minimum flow must be no less than as indicated.

\*NOTE: A limit stop, set for 120°F (49°C), is simply a mechanical setting to prevent excessive handle rotation. If incoming water is hotter than 150°F (65.5°C), the temperature of the factory test, the valve when turned to full HOT may deliver water in excess of 120°F and the limit stop MUST BE RESET BY THE INSTALLER

Engineer's Approval

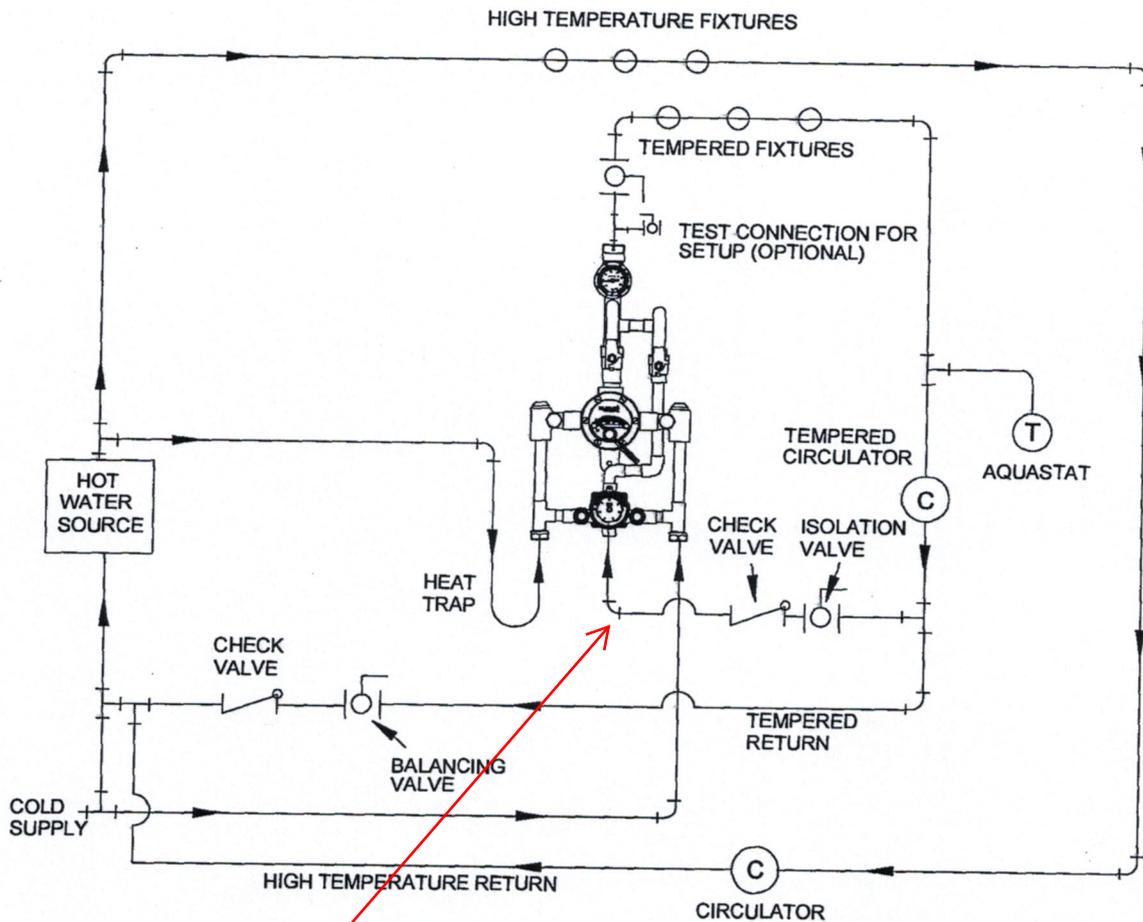
Job # \_\_\_\_\_  
Arch/Eng. \_\_\_\_\_  
Contractor \_\_\_\_\_

Note: The models shown represent Leonard Products which are believed to be equivalent in type and function to items specified. Leonard Valve Company is not responsible for errors or omissions due to differences in interpretations of information provided.



1360 Elmwood Avenue, Cranston, RI 02910 USA  
Phone: 401.461.1200 Fax: 401.941.5310  
Email: [info@leonardvalve.com](mailto:info@leonardvalve.com)  
Web Site: <http://www.leonardvalve.com>

**PIPING METHOD #2**, only for systems circulating 8 GPM or less. See Method #5 for circulated flow rates above 8 GPM.



Return line.



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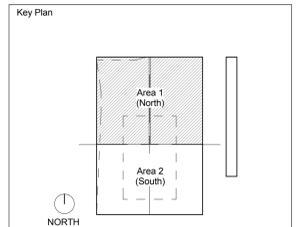
## Los Angeles Lakers Headquarters

2275 Mariposa, El Segundo, California 90245

Consultant

Professional Seal

No.	Description	Date
1	50% CD'S For Pricing	08/07/15
3	Plan Check	09/18/15
4	Back Check #1	11/20/15
5	Back Check #2 - ASI 008	01/08/16
6	Issued for Construction - ASI 010	01/22/16
8	Revision 8 - Ongoing	02/08/16



Sheet Title  
**Ground Floor - North**

**SK-155.1\_A-111\_mixing-valve.pdf**

Project Number  
**2014-015**

CAD File

Sheet number

**A-111**

### PARTITION TYPES & DETAILS

FOR TYPICAL PARTITION TYPE INFORMATION, INDICATED ON PLAN WITH WALL PARTITION TYPE SYMBOL. SEE SHEET A-631.

FOR TYPICAL PARTITION DETAILS, SEE SHEETS A-454, A454.1, A454.2, A-454.3, A-458

### Material Keynotes:

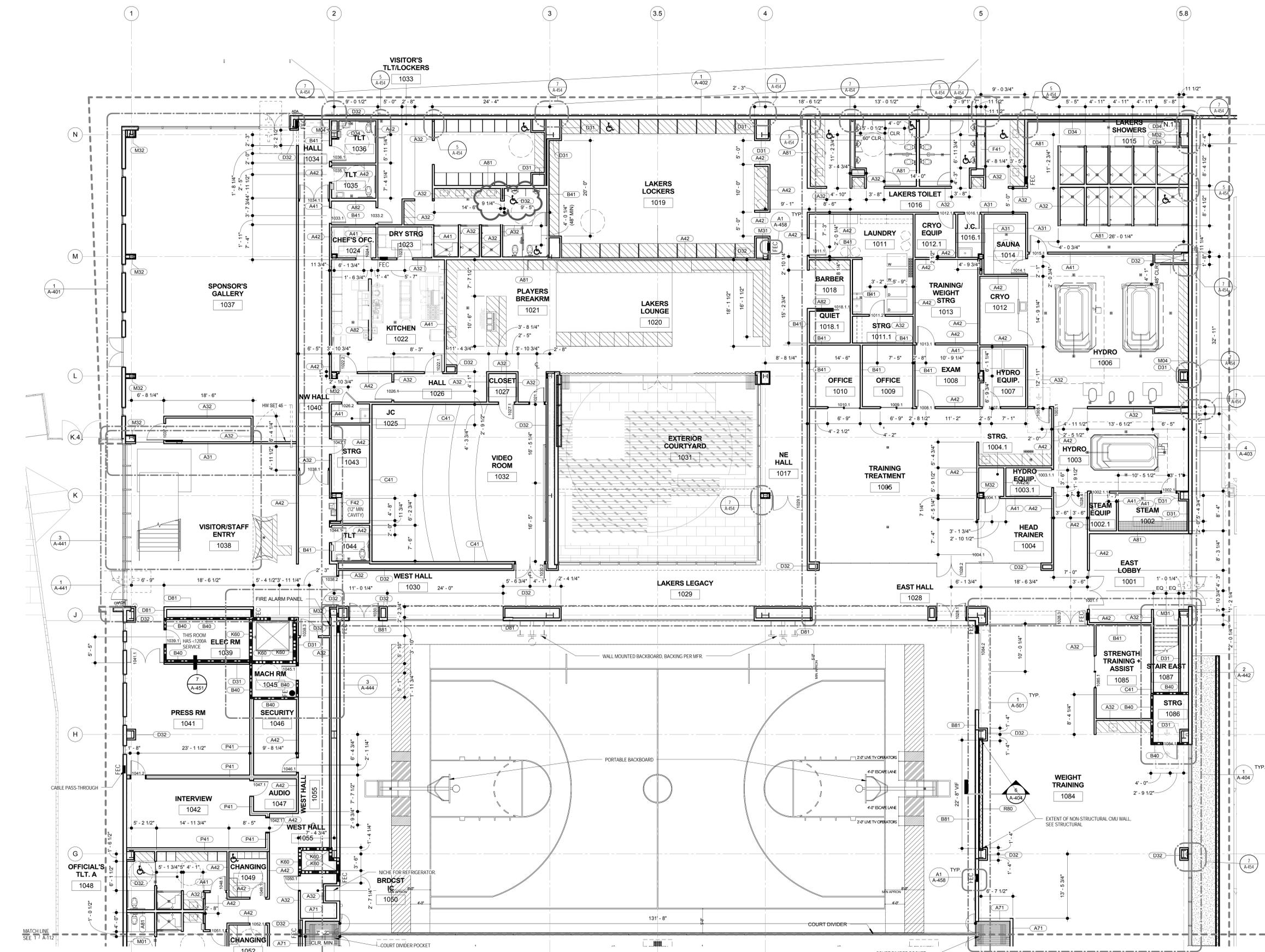
#### WALL TYPE LEGEND

TYPICAL WALL PARTITION  
1HR RATED WALL  
2HR RATED WALL  
LEVEL 3 BALLISTIC GLAZING IN GLASS WALLS & DOORS. BULLET RESISTANT FIBERGLASS PANELS BEHIND GYP BOARD IN STUD WALLS.

#### HATCH LEGEND

MILLWORK  
DIVIDER POCKET

\* POCKET LOCATION FOR FOLDING PANEL BASE-BID COURT DIVIDER APPROX 5'4"x6'7" CLR INSIDE, PLUS ROOM FOR POCKET DOORS. ASSUME APPROX 6'x8' TOTAL AREA



**1 A-111** Level 1 - North  
Scale: 1/8" = 1'-0"  
Ref: A-406

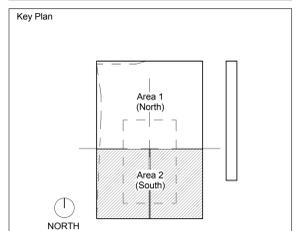
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6	Issued for Construction - ASI 010	01/22/16
7	ASI 011	02/05/16
8	Revision 8 - Ongoing	02/08/16



Sheet Title  
**Ground Floor - South**

SK-155.2\_A-112\_mixing-valve.pdf

Project Number  
 2014-015

CAD File

Sheet number

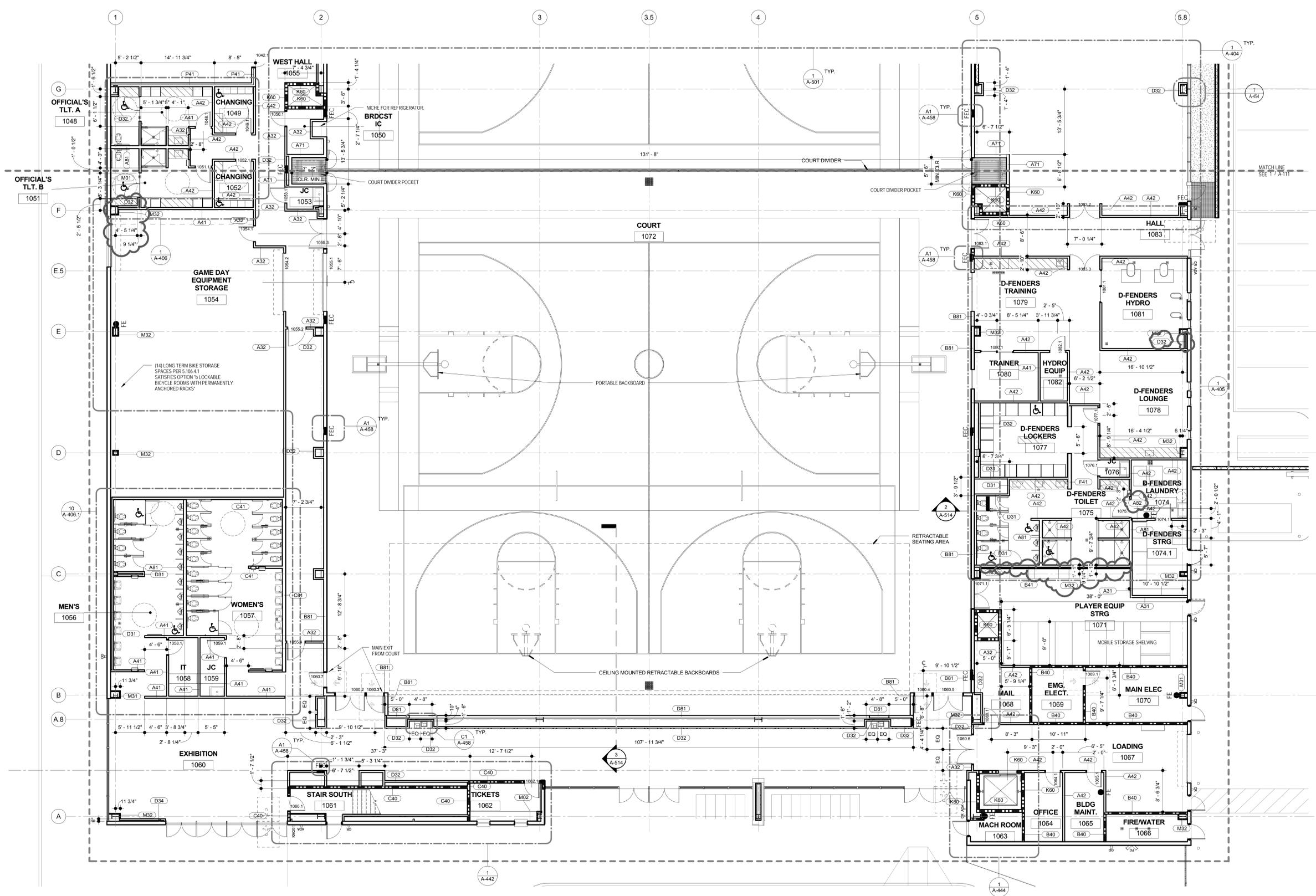
**A-112**

**Material Keynotes:**

WALL TYPE LEGEND  
 TYPICAL WALL PARTITION  
 1HR RATED WALL  
 2HR RATED WALL  
 LEVEL 3 BALLISTIC GLAZING IN GLASS WALLS & DOORS. BULLET RESISTANT. FIBERGLASS PANELS BEHIND GYP BOARD IN STUD WALLS.

HATCH LEGEND  
 MILLWORK  
 DIVIDER POCKET

**PARTITION TYPES & DETAILS**  
 FOR TYPICAL PARTITION TYPE INFORMATION, INDICATED ON PLAN WITH WALL PARTITION TYPE SYMBOL, SEE SHEET A-631.  
 FOR TYPICAL PARTITION DETAILS, SEE SHEETS A-454, A-454.1, A-454.2, A-454.3, A-458



1 A-112 Level 1 - South  
 Scale: 1/8" = 1'-0"  
 Ref: A-406

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