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NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. THE STANDARD DETAILS ILLUSTRATE ONLY A FEW OF THE POSSIBLE EMERGENCY EQUIPMENT COMBINATIONS THAT MAY BE REQUIRED FOR A SPECIFIC PROJECT.
2. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM MECHANICAL POC.
3. EMERGENCY EQUIPMENT AND INSTALLATION SHALL COMPLY WITH ANSI/ISEA Z358.1-1998, AMERICAN NATIONAL STANDARD FOR EMERGENCY EYEWASH AND SHOWER EQUIPMENT.
4. PROVIDE TEPID WATER TO EMERGENCY EQUIPMENT EXCEPT FOR EXISTING SYSTEMS. REFER TO THE ESM MECHANICAL CHAPTER, SECTION D20 PLUMBING, FOR REQUIREMENTS.
5. WHERE THE POSSIBILITY OF FREEZING CONDITIONS EXIST, PROTECT EQUIPMENT FROM FREEZING OR INSTALL FREEZE PROTECTED EQUIPMENT.
6. CONSULT WITH HSR-5 AND THE USER TO DETERMINE EMERGENCY EQUIPMENT LOCATIONS, QUANTITIES. TYPE AND COMBINATIONS (SHOWER/EYEWASH, SHOWER, ETC.)
7. LOCATE EMERGENCY EQUIPMENT IN ACCESSIBLE LOCATIONS THAT REQUIRED NO MORE THAN 10 SECONDS TO REACH AND WITHIN 100 FEET OF THE HAZARD. WHEN THE HAZARD IS HIGHLY CORROSIVE, SUCH AS A STRONG ACID OR CAUSTIC, THE EQUIPMENT SHOULD BE WITHIN 10 FEET OF THE HAZARD.
8. THE ROUTE TO GET TO EMERGENCY UNITS MUST HAVE NO CHANGE IN ELEVATION (I.E. STEPS OR UNEVEN GROUND). PASSAGE THROUGH NO MORE THAN ONE DOORWAY, AND NO PATHWAY OBJECTS.
9. SIZE PIPING NO SMALLER THAN THE INLET SIZE OF THE UNIT.
10. PROVIDE A MINIMUM OF 30 PSIG PRESSURE TO THE EQUIPMENT. INSTALL A PRV IF PRESSURE AT EQUIPMENT EXCEEDS 60 PSIG.
11. THE FOLLOWING IS THE MINIMUM FLOW AND TIME REQUIREMENTS FOR EMERGENCY EQUIPMENT UNITS BASED ON 30 PSIG INLET SUPPLY PRESSURE.
 

SHOWER	20 GPM	15 MINUTES
DRENCH HOSE	3 GPM	15 MINUTES
EYE/FACE WASH	3 GPM	15 MINUTES
EYEWASH	0.4 GPM	15 MINUTES
12. FLOOR DRAINS ARE NOT ALLOWED WHEN SAFETY SHOWERS ARE INSTALLED IN NEW CONSTRUCTION. IN RETROFIT CONSTRUCTION, A SHOWER MAY BE LOCATED NEAR AN EXISTING DRAIN, PROVIDING THE DRAIN IS TIED INTO SANITARY SEWER WASTE SYSTEM AND APPROVAL IS OBTAINED FROM FWO-UI SANITARY WASTE SME.

DRAWING DEVELOPED FOR ML-3/  
ML-4 PROJECTS. FOR ML-1/  
ML-2, ADDITIONAL REQUIREMENTS  
AND QA REVIEWS ARE REQUIRED.  
(REMOVE THIS NOTE WHEN IN-  
SERTED INTO A DRAWING PACK-  
AGE).

3	8-14-03	U	EDITORIAL CHANGES & DWG NO. WAS ST6000.	RP	JM	RR	GG	TO
2	10-25-02	U	REVISED NOTES 3 AND 12.	RP	RR	GG	GG	TO
1	9-6-02	U	REVISED NOTES.	RP	RR	GG	GG	TO
NO	DATE	CLASS REV	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
<b>FACILITY &amp; WASTE OPERATIONS DESIGN ENGINEERING CONSTRUCTION SERVICES</b>								
<b>ENGINEERING STANDARDS MANUAL</b>				DRAWN	R.PEARSON			
EMERGENCY EQUIPMENT DETAIL DESIGN NOTES				DESIGN	R.ROMERO			
				CHECKED	G.GREWAL			
BLDG X				TA-X		DATE		6-28-99
SUBMITTED				APPROVED FOR RELEASE				
DISCIPLINE POC: GURINDER GREWAL				STANDARDS MANAGER: TOBIN ORUCH				
				SHEET		4		
				4		OF 5		
CLASSIFICATION U				REVIEWER LARRY BAYS		DATE		
PROJECT ID				DRAWING NO		REV		
CHAPTER 6				ST-D2010-1		3		