



1
 HVAC PLAN
 3/16" = 1'-0"

23.001	VENTILATION CONNECTION TO RTU-1&2
23.002	BALANCE TO SCHEDULED OUTDOOR AIRFLOW RATE.
23.003	COORDINATE WITH ARCHITECTURAL REQUIREMENTS FOR PAINTING DIFFUSER/SILL.
23.004	REMOVE RTU TEMPERATURE AND HUMIDITY SENSORS (AS NOTED) LOCATED IN RETURN AIR DUCT. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.005	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' AFF. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.006	MOUNT REMOTE ANNUNCIATORS 66" A.F.F. AND LABEL TO AREA SERVED.
23.007	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.008	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.009	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.010	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.011	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.012	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.013	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.014	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.015	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.016	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.017	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.018	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.019	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.020	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.021	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.022	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.023	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.024	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.025	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.026	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.027	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.028	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.029	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.030	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.031	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.032	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.033	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.034	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.035	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.036	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.037	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.038	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.039	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.040	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.041	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.042	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.043	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.044	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.045	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.046	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.047	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.048	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.049	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.050	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.051	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.052	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.053	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.054	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.055	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.056	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.057	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.058	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.059	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.060	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.061	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.062	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.063	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.064	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.065	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.066	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.067	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.068	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.069	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.070	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.071	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.072	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.073	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.074	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.075	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.076	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.077	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.078	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.079	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.080	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.081	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.082	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.083	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.084	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.085	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.086	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.087	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.088	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.089	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.090	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.091	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.092	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.093	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.094	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.095	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.096	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.097	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.098	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.099	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.
23.100	REMOVE CONTROL(S) MOUNTED ABOVE DOOR AT 8' A.F.F. REFER TO SHEET M102 FOR CONTROL SCHEMATIC.

GENERAL NOTES

1. ALL MECHANICAL HVAC AND PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE BASE BUILDING SPECIFICATION AND WITH THE LATEST EDITION OF THE PREVALING STATE MECHANICAL, PLUMBING, FUEL AND GAS AND BUILDING CODES AS WELL AS ALL REGULATIONS THAT MAY APPLY. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE THE MORE STRINGENT STANDARD SHALL APPLY.
2. COORDINATE EXACT LOCATIONS OF AIR DISTRIBUTION DEVICES WITH CEILING AND LIGHT FIXTURE LAYOUT - VERIFY WITH THE ARCHITECT.
3. ALL RECTANGULAR SUPPLY DUCTS ELBOWS SHALL HAVE SINGLE THICKNESS TURNING VANES.
4. ALL AIR CONDITIONING DUCTWORK SHALL BE CLASS "A". ALL EXPOSED ROUND DUCTWORK SHALL BE SPIRAL LOCK-SEAM WITH SELF-SEALING JOINTS AND FITTINGS.
5. RECTANGULAR DUCT SIZES SHOWN ARE ACTUAL CLEAR DIMENSIONS. SHEET METAL CONTRACTORS SHALL INCREASE SIZES FOR 1-1/2 INCH THICK LINER EQUIVALENT TO KNIFE TYPE ATMOSPHERE - MINIMUM R-VALUE 6.0.
6. EXPOSED ROUND DUCT SIZES SHOWN INDICATE REFERRED AIRFLOW SIZES. SHEET METAL CONTRACTOR SHALL INCREASE SIZES TO ALLOW FOR 1-1/2 INCH THICK LINER EQUIVALENT TO CERTAINATED TOUGHSPREAD SPIRAL DUCT LINER - MINIMUM R-VALUE OF 6.0.
7. COORDINATE ROUTING OF DUCTWORK WITHIN STRUCTURE WITH THE LOCATION OF COLUMNS, JOIST AND BEAMS.
8. ALL CONCEALED ROUND AIR CONDITIONING DUCTWORK SHALL HAVE 2-INCH THICK EXTERIOR DUCT WRAP CONSISTING OF A FIBERGLASS BLANKET WITH FACTORY APPLIED VAPOR BARRIER FACING AND HAVING A MINIMUM R-VALUE OF 5.6. UNLESS NOTED OTHERWISE.
9. IT IS THE INTENT TO HAVE ALL AIR SYSTEMS INCLUDING KITCHEN EXHAUST AND MAKE-UP AIR BALANCED BY AN INDEPENDENT TAB CERTIFIED MECHANICAL CONTRACTOR. AIR QUANTITIES MAIN DUCT SHALL BE MEASURED BY PROY. TUBE TRAVELERS. OUTLET AND INLET AIR QUANTITIES SHALL BE DETERMINED IN ACCORDANCE WITH NEBB PROCEDURES. THE NEBB TAB FIRM SHALL PROVIDE A CERTIFICATE OF CONFORMANCE CERTIFICATION TO THE OWNER.
10. UNLESS DIMENSIONED, THE WORK SHOWN ON THE CONTRACT DRAWINGS IS DIAGRAMMATIC. ILLUSTRATING THE GENERAL ARRANGEMENT. CONTRACTOR SHALL ADHERE TO APPLICABLE SHOWN AS CLOSELY AS THE ACTUAL CONSTRUCTION WILL PERMIT.
11. CONTRACTOR SHALL VERIFY EXACT EQUIPMENT DIMENSIONS, CLEARANCES, AND FIELD DIMENSIONS RELATIVE TO LOCATIONS OF STRUCTURAL FRAMING. CHANGES REQUIRED IN ROUTING OR SIZES OF DUCTWORK TO MAKE WORK SHOWN CONFORM TO PROJECT REQUIREMENTS. RESULTING FIELD COORDINATION PROBLEMS SHALL BE IDENTIFIED, ILLUSTRATED, AND SUBMITTED TO THE ENGINEER FOR PRIOR REVIEW AND APPROVAL BEFORE INSTALLATION.

KEYNOTES

- 23.001
- 23.002
- 23.003
- 23.004
- 23.005
- 23.006
- 23.007
- 23.008
- 23.009
- 23.010
- 23.011
- 23.012
- 23.013
- 23.014
- 23.015
- 23.016
- 23.017
- 23.018
- 23.019
- 23.020
- 23.021
- 23.022
- 23.023
- 23.024
- 23.025
- 23.026
- 23.027
- 23.028
- 23.029
- 23.030
- 23.031
- 23.032
- 23.033
- 23.034
- 23.035
- 23.036
- 23.037
- 23.038
- 23.039
- 23.040
- 23.041
- 23.042
- 23.043
- 23.044
- 23.045
- 23.046
- 23.047
- 23.048
- 23.049
- 23.050
- 23.051
- 23.052
- 23.053
- 23.054
- 23.055
- 23.056
- 23.057
- 23.058
- 23.059
- 23.060
- 23.061
- 23.062
- 23.063
- 23.064
- 23.065
- 23.066
- 23.067
- 23.068
- 23.069
- 23.070
- 23.071
- 23.072
- 23.073
- 23.074
- 23.075
- 23.076
- 23.077
- 23.078
- 23.079
- 23.080
- 23.081
- 23.082
- 23.083
- 23.084
- 23.085
- 23.086
- 23.087
- 23.088
- 23.089
- 23.090
- 23.091
- 23.092
- 23.093
- 23.094
- 23.095
- 23.096
- 23.097
- 23.098
- 23.099
- 23.100

SHEET: M101

HVAC PLAN

2023.02.21 09:28:39-09:00

GREG SCHULTZMAN
 LICENSED PROFESSIONAL ENGINEER
 MISSISSIPPI

PROTO CYCLE: 04 - 2022
 TIER 1 180

DOCUMENT DATE: 2/17/2023
 DRAWN BY: PRC
 CHECKED BY: JKR

ISSUE BLOCK

1 ADD 1 02/16/23

Love's
 STORE NUMBER: 860
 159 EXIT 1
 NICHOLSON, MS 39466
 JOB NUMBER: 032320009

HEA
 HARRISON FRENCH & ASSOCIATES, LTD.
 1705 S. Walton Blvd., Suite 3
 Knoxville, Arkansas 72712
 1-479-273-7780
 www.hfa-ac.com

STIPULATION FOR REUSE
 THIS DOCUMENT IS THE PROPERTY OF HEA. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF HEA. THE USER OF THIS DOCUMENT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. HEA SHALL NOT BE LIABLE FOR ANY DAMAGES, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS DOCUMENT. THE USER OF THIS DOCUMENT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES.