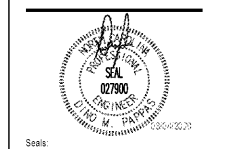


Sheet Template ID: CREF-07-B
 File: Z:\Projects\4802_South_Charlotte_Hyundai_Redesign\4802SING CAR WASH MECHANICAL PLAN; Revises: 3/1/2020 4:28 PM by ALEX E. LEVEN; Saved: 2/28/2020 12:36 PM by ALEVEN

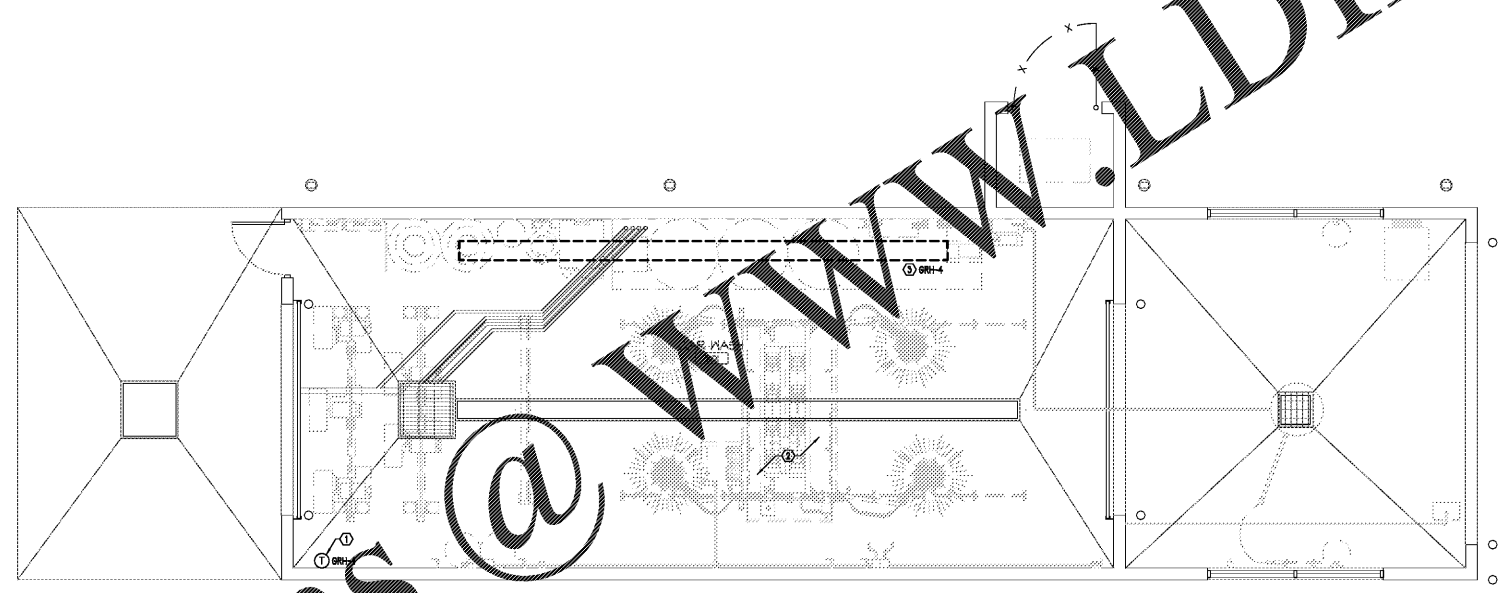
WORK NOTES

1. THERMOSTAT FOR GRH-4 TO BE NEMA-3R. PROVIDE CLEAN, LOCKING ENCLOSURE WITH WATER PROTECTION.
2. CAR WASH EQUIPMENT TO BE PROVIDED BY OWNER.
3. PROVIDE W/ SEPARATE FLUE VENT AND COMBUSTION AIR DUCT. ROUTE EACH THROUGH ROOF AND TERMINATE W/ APPROVED CAP PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND LOCAL CODES. FIELD COORDINATE EXACT ROUTING AND TERMINATION LOCATION W/ ARCHITECT AND OTHER TRADES. MAINTAIN 3'-0" MIN. BETWEEN FLUE VENT TERMINATION & COMBUSTION AIR INLET. FLUE VENT TERMINATION MUST BE MIN. 1'-0" HIGHER THAN COMBUSTION AIR INLET CAP.

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1 CAR WASH MECHANICAL PLAN
 1/4" = 1'-0"

ENERGY REQUIREMENTS (CAR WASH):

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

METHOD OF COMPLIANCE

PRESCRIPTIVE ENERGY COST BUREAU

THERMAL ZONE	3A
EXTERIOR DESIGN CONDITIONS	
WINTER DRY BULB	18
SUMMER DRY BULB	84
INTERIOR DESIGN CONDITIONS	
WINTER DRY BULB	72
SUMMER DRY BULB	NA
RELATIVE HUMIDITY	NA
BUILDING HEATING LOAD	18.5 MSH
BUILDING COOLING LOAD	NA
MECHANICAL SPACE CONDITIONING SYSTEM	
UNITARY	
DESCRIPTION OF UNIT	SEE SCHEDULES
HEATING EFFICIENCY	SEE SCHEDULES
COOLING EFFICIENCY	SEE SCHEDULES
HEAT OUTPUT OF UNIT	SEE SCHEDULES
COOLING OUTPUT OF UNIT	SEE SCHEDULES
BOILER	NA
TOTAL BOILER OUTPUT	NA
CHILLER	NA
TOTAL CHILLER OUTPUT	NA
LIST EQUIPMENT EFFICIENCIES	SEE SCHEDULES
EQUIPMENT SCHEDULES WITH MOTORS MECHANICAL SYSTEM	
MOTOR EFFICIENCY	SEE SCHEDULES
MOTOR TYPE	SEE SCHEDULES
MOTOR TYPE	SEE SCHEDULES
MOTOR TYPE	SEE SCHEDULES
MOTOR TYPE	SEE SCHEDULES
MOTOR TYPE	SEE SCHEDULES

ADDITIONAL PRESCRIPTIVE COMPLIANCE REQUIREMENTS

C406.1 MORE EFFICIENT HVAC EQUIPMENT PERFORMANCE

C406.3 REDUCED LIGHTING POWER DENSITY

C406.4 ENHANCED DIGITAL LIGHTING CONTROLS

C406.5 ON-SITE RENEWABLE ENERGY

C406.6 DEDICATED OUTDOOR AIR SYSTEM

C406.7 REDUCED ENERGY USE IN SERVICE WATER HEATING

Revisions:

Number	Date	Description

Project Title:

SOUTH CHARLOTTE HYUNDAI

Project No: **4802.00**

Drawing Title:

CAR WASH MECHANICAL PLAN

SET ISSUE DATE

▶ MAR 4, 2020 ◀

Sheet:

M6