

DIFFUSER SCHEDULE ^② ^④							
MARK	C.F.M. RANGE ^①	DIFFUSER SIZE	NECK CONN.	BLOW	PATTERN	AIR DIST./SIDE	
						A (%)	B (%)
D-1 —	40 – 120	6X6	6"ø	2 WAY		50	50
D-2 —	40 – 120	6X6	6"ø	4 WAY		25	25
D-3 —	125 – 230	9X9	8"ø	3 WAY		38	31
D-4 —	125 – 220	9X9	8"ø	4 WAY		25	25
D-5 —	110 – 220	9X9	8"ø	2 WAY		50	50
D-6 —	130 – 220	9X9	8"ø	2 WAY		50	50
D-7 —	225 – 330	12X12	10"ø	4 WAY		25	25
D-8 —	335 – 500 ^⑩	12X12	12"ø	4 WAY		25	25
D-9 —	NOT USED						
D-10 —	800–815	15X21	15X21	3 WAY		35	33

REGISTER, LOUVER & GRILLE SCHEDULE					
MARK	T Y P E	SERVICE	CFM RANGE ^①	NOMINAL SIZE	REMARKS ^③
R-1	SIDEWALL ^⑤ ^⑥	RA	100–235	12X8	SERVICED BY 12X5 UNLINED R.A. DUCT IN WALL ^⑩
R-2	CEILING ^④	RA	100–220	8X8	
R-3	CEILING ^④	RA	230–300	10X10	
R-4	NOT USED				
R-5	CEILING ^④	RA	485–820	16X16	
R-6	CEILING ^④	TRANSFER AIR	350–490	12X12	
R-7	SIDEWALL ^⑤ ^⑥	RA	890	18X20	^⑩ ^⑭
R-8	SIDEWALL ^⑤ ^⑥	RA	2800–3020	36X30	^⑩ ^⑭
R-9	SIDEWALL ^⑤ ^⑥	RA	3200	24X48	^⑩ ^⑭
R-10	CEILING ^⑤	RELIEF AIR	---	30X20	^⑮
R-11	CEILING ^⑤	RELIEF AIR	---	24X24	
S-1	SIDEWALL ^⑤	SA	750–850	18X12	^⑨
S-2	SIDEWALL ^⑤	SA	1400–1510	24X16	^⑨
SG-1	SOFFIT GRILLE ^⑤	OA	250–840	42X26	^⑫ ^⑭
SG-2	SOFFIT GRILLE ^⑤	EA	2955–2995	42X26	^⑫ ^⑭
PH-1	PENTHOUSE	EA	705–830	18X18 THROAT	^⑧ ^⑫
L-1	LOUVER	EA	915–1065	36X18	^⑧ ^⑪ ^⑫
L-2	LOUVER	OA	3145–3505	60X36	^⑧ ^⑪ ^⑫

EXHAUST FAN SCHEDULE ^② ^③					
MARK	S E R V E S R O O M	MIN. ^① A.C.F.M.	STATIC PRESSURE IN. W.G.	MINIMUM WATTS	R E M A R K S
EF 1	WOMEN'S RESTROOM 176	490	0.375	420W	PROVIDE BACK-DRAFT DAMPER
EF 2	MEN'S RESTROOM 172	350	0.375	420W	PROVIDE BACK-DRAFT DAMPER
EF 3	MOTHER'S ROOM 114	75	0.375	100W	PROVIDE BACK-DRAFT DAMPER
EF 4	RESTROOM 155	75	0.5	100W	PROVIDE BACK-DRAFT DAMPER
EF 5	RESTROOM 104	75	0.5	100W	PROVIDE BACK-DRAFT DAMPER
EF 6	SERVING AREA 116	200	0.375	166W	PROVIDE BACK-DRAFT DAMPER
EF 7	CUSTODIAN 163	75	0.375	100W	PROVIDE BACK-DRAFT DAMPER
EF 8	TECHNOLOGY 103	150	0.5	130W	PROVIDE BACK-DRAFT DAMPER ^④
EF 9	FONT 179	200	0.375	166W	PROVIDE BACK-DRAFT DAMPER
EF 10	RESTROOM 144	75	0.3	81W	PROVIDE BACK-DRAFT DAMPER

- ① SET BALANCE DAMPERS SHOWN ON M101 TO CFM LISTED

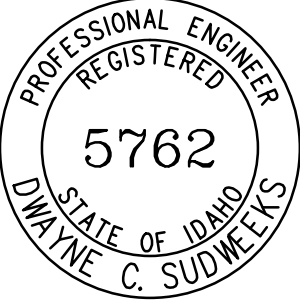
② CONTROL BY DIVISION 26.
- ③ VOLTAGE IS 115V/1 PHASE/60HZ

④ LINE VOLTAGE THERMOSTAT CONTROL. ACCESSORY THERMOSTAT BY DIV. 23, INSTALLED BY DIV. 26.

REGISTER, LOUVER AND DIFFUSER SCHEDULE NOTES:

- ① MAXIMUM NC=25 @ MAXIMUM CFM NOTED.
- ② SHALL BE TITUS TDC TYPE 6 OR EQUAL BY OTHER APPROVED MANUFACTURERS. (SEE SPECIFICATIONS)
- ③ SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
- ④ FINISH SHALL BE OFF-WHITE BAKED ENAMEL.
- ⑤ BAKED ENAMEL FINISH WITH COLOR AS DIRECTED BY ARCHITECT.
- ⑥ RETURN AIR GRILLE TO BE MOUNTED 8" FROM FLOOR TO BOTTOM EDGE OF GRILLES.
- ⑦ BAKED ENAMEL FINISH TO MATCH ROOF COLOR OR COLOR AS DIRECTED BY ARCHITECT.
- ⑧ PROVIDE ALUMINUM BIRD SCREENS.
- ⑨ SET REGISTER BLADES FOR 15° UPWARD DEFLECTION.
- ⑩ BLADE ORIENTATION SHALL BE HORIZONTAL
- ⑪ MAX. ACCEPTABLE FACE VELOCITY THROUGH NET FREE AREA: 400 FT/MIN.
- ⑫ FINISH COLOR AS DIRECTED BY ARCHITECT, TO MATCH SURROUNDING SURFACE FINISH.
- ⑬ ON STORAGE BUILDING: NOT CONNECTED TO DUCTWORK. SEE ELEVATION F/C801.
- ⑭ REFER TO DETAIL E/M502 FOR GRILLE INSTALLATION.
- ⑮ CEILING MOUNTED FILTER GRILLE. COORDINATE EXACT LOCATION WITH STRUCTURAL. POSITION BLADES TOWARD DOORS TO LIMIT LINE-OF-SIGHT INTO ATTIC.
- ⑯ PROVIDE 24"x24" PANEL FOR LAY-IN CEILING AT ROOM 123 AND ROOM 131.

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS
DATE ORIGINAL SIGNED: Mar 15, 2017
ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
1955 EAST CENTER, POCAATELLO, IDAHO 83201



Engineered Systems Associates

1355 EAST CENTER
POCAATELLO, IDAHO 83201
PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: eso@engsystems.com
ESA JOB NUMBER: 16083

Architect / Engineer:

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
SCOTT L. NELSON, AIA, KEVIN R. BODLEY, AIA, JAMES H. WYATT, AIA,
990 JOHN JONES PARKWAY P.O. BOX 2712 • IDAHO FALLS, IDAHO 83402-2712
(P) 208-322-8779 (F) 208-522-8785 (W) www.nbwarchitects.com

Stamp:

New Meetinghouse for:
**Iona South Stake
Heritage 09TSC**
4440 E. High Grove Road
Idaho Falls, ID 83401

Project for:
**THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS**

Mark	Date	Description

Project Number:
16065
Plan Series:
HET-SDS-09-07
Property Number:
500-5990

Sheet Title:
**MECHANICAL
SCHEDULES**

Sheet:

M602