

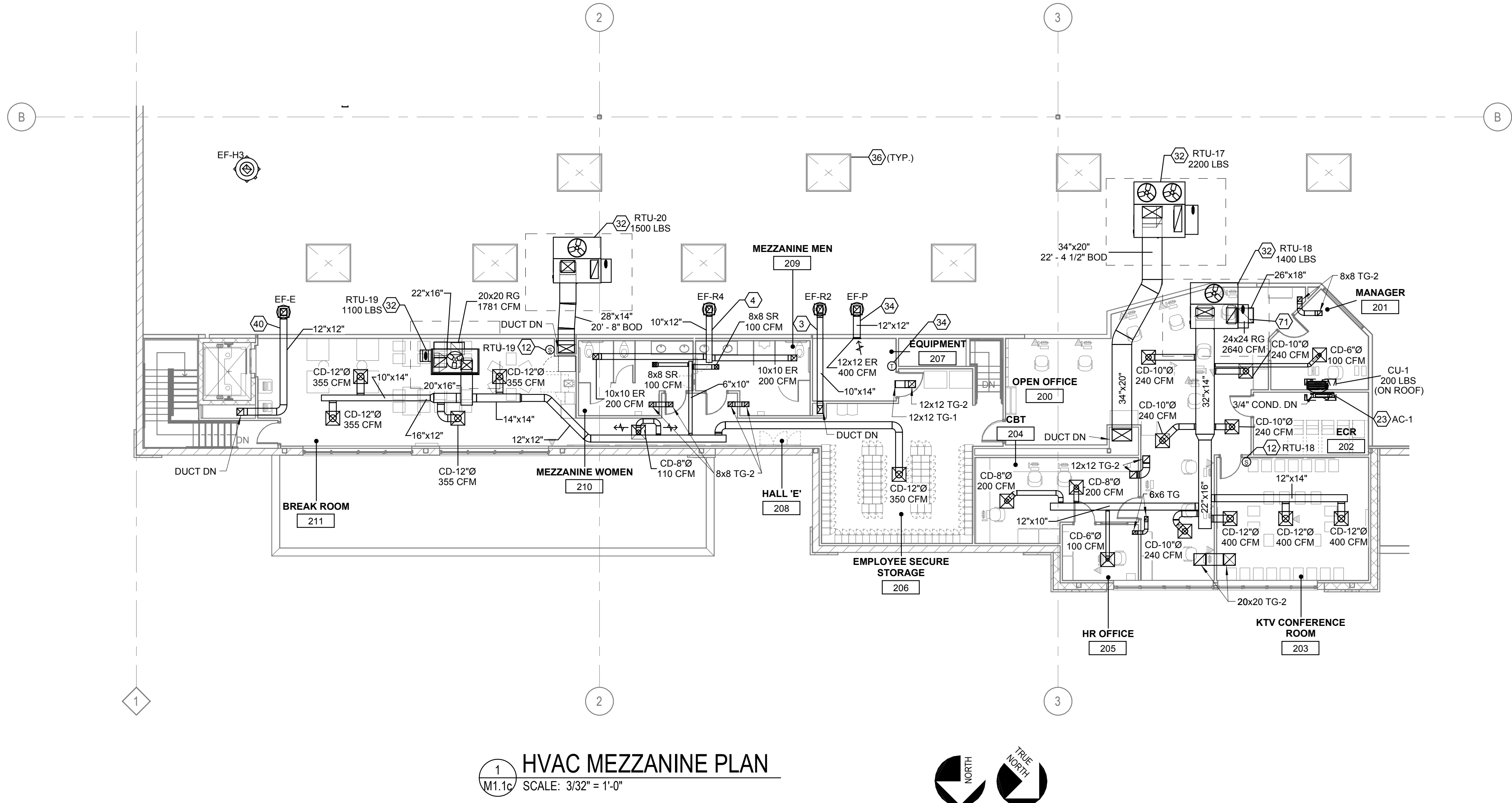


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RTU to be installed with FACTORY INSTALLED HEAT RECLAIM COIL
AND EXHAUST FAN. CONTRACTOR TO PROVIDE DUCTWORK TO COORDINATE
WITH ALL OTHER DISCIPLINES PRIOR TO PENETRATING ROOF.
80X DUCT UP TO OPENING THRU ROOF CAPPED WITH KROGER FURNISHED
EXHAUST FAN AND CURB E-F4. CONTRACTOR TO PROVIDE DUCTWORK TO
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
10 "B-VENT DUCT UP FROM RACK OVEN VENT COLLAR THRU ROOF CAPPED
WITH E-F4/G2 DUCTS. ALL MUST TO OFFSET ABOVE EXIST TILES DUCTS
AND STRAIGHTEN TO EXHAUST FAN. CONTRACTOR TO PROVIDE DUCTWORK
TO RACK OVEN VENT COLLAR THRU ROOF CAPPED WITH E-F4/G2 DUCTS.
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
20X20 DUCTWORK FROM EXHAUST HOOD H-2 TO OPENING THRU ROOF
CAPPED WITH E-F4/G2 DUCTS. CONTRACTOR TO PROVIDE DUCTWORK TO
PROVIDE HINGE KIT. DUCTWORK IS TO RUN THE ENTIRE LENGTH OF
DUCT FROM CEILING PLACEMENT TO EXHAUST FAN. REFER TO DETAIL
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
13X10 GREASE DUCT FROM EXHAUST HOOD H-2 TO OPENING THRU ROOF
CAPPED WITH E-F4/G2 DUCTS. CONTRACTOR TO PROVIDE DUCTWORK TO
PROVIDE HINGE KIT. DUCTWORK IS TO RUN THE ENTIRE LENGTH OF
DUCT FROM CEILING PLACEMENT TO EXHAUST FAN. REFER TO DETAIL
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
TEMPERATURE SENSOR FOR ROOFTOP UNIT FURNISHED BY BUILDING
OWNER. CONTRACTOR TO PROVIDE DUCTWORK TO REFER TO SERIES
OF DRAWINGS FOR ADDITIONAL INFORMATION.
DROP BOX DISHFEED SYSTEM. REFER TO DISHFEED SCHEDULE FOR AES
AND DISHFEED AND DRAIN VENTS. REFER TO PLANS FOR THROW
DIRECTIONS AND CFM. REFER TO DETAIL HS-20 FOR INSTALLATION.
TEMPERATURE SENSOR FOR ROOF MOUNTED RTU FURNISHED BY
BUILDING OWNER. CONTRACTOR TO PROVIDE DUCTWORK TO REFER TO
BACK TO BUILDING CONTROL PANEL. MOUNT SENSOR 7'-6" AFF IN
DOWNWIND AREA. REFER TO DETAIL HS-20 FOR INSTALLATION.
UN-50 VENT KIT INCLUDED WITH UNIT AND SUPPLIED BY HOBART. VENT
KIT AUTOMATICALLY PROVIDES STEAM/CONDENSATE AT THE EXHAUST
POINT. CONTRACTOR TO PROVIDE DUCTWORK TO EXHAUST FAN. WHEN
PROCESS IS COMPLETED MECHANICAL CONTRACTOR TO CONNECT A TO
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
1" DUCT TO EXHAUST FAN. CONTRACTOR TO PROVIDE DUCTWORK TO
AND TO TERMINATE THE END OF THE DUCT WITH AN ELL. REFER TO DETAIL HS-20
SH-20 FOR INSTALLATION.
BEHIND THE CASE RETURN AIR DUCT PLENUM, BALANCE 1 CFM
INDICATED ON PLANS. REFER TO HS-20 ON SHEET M-1 AND ARCH
DETAIL HS-20 FOR INSTALLATION. CONTRACTOR TO PROVIDE DUCTWORK
APPLICABLE TO MAINTAIN MAXIMUM BOTTOM OF DUCT CLEARANCE
OUT AND PATCH DUCT PER SMACNA STANDARDS AROUND ROOF.
10" UP TO OPENING THRU ROOF CAPPED WITH KROGER FURNISHED
EXHAUST FAN AND CURB E-F4.
RETURN AIR GRILLE IN SIDE OF DUCT THRU ROOF. TYPUS 50" WITH 1" INCH
DOWN OR EQUAL. REFER TO DETAIL HS-20 FOR INSTALLATION.
HOOD ANUL PULL STATION LOCATION, COORDINATE FINAL LOCATION
WITH ELECTRICAL 244 SERIES FLOOR PLANS. PROVIDE NAMEPLATE AT
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
MOUNT TOP OF DIFFUSER EVEN WITH LIGHTING AREA. REFER TO
DETAIL HS-20 FOR INSTALLATION. CONTRACTOR TO PROVIDE DUCTWORK
REFER TO EXPOSED DUCT DIFFUSER INSTALLATION DETAIL HS-1
ON SHEET M-1 (TYP).
MOUNT EXHAUST GRILLE ABOVE FINISHED FLOOR IN PLAIN CENTER AREA.
REFER TO DETAIL HS-20 FOR INSTALLATION.
MOUNT TRANSFER GRILLE ABOVE RESTROOM DOOR.
TRANSFER GRILLE TO BE MEZANINE AREA. REFER TO PLANS FOR THROW
DIRECTIONS AND CFM. REFER TO DETAIL HS-20 FOR INSTALLATION.
ROOFTOP UNIT FURNISHED BY KROGER AND INSTALLED BY MECHANICAL
CONTRACTOR. REFER TO SCHEDULE SHEET M-1, BALANCE TO
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
14X14 DUCT UP TO OPENING THRU ROOF CAPPED WITH KROGER
FURNISHED EXHAUST FAN AND CURB E-F4. CONTRACTOR TO PROVIDE
DUCTWORK TO EXHAUST FAN. CONTRACTOR TO PROVIDE DUCTWORK
REACHES TO DECK F. MOUNT EXHAUST REGISTER ON END OF DUCT. MOUNT
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
14X14 DUCT AT SAME LEVEL AS EXHAUST REGISTER. REFER TO
ELECTRICAL LIGHTING SCHEDULE FOR LIGHTING MOUNTING HEIGHTS.
SKYLIGHT SHOWING FOR COORDINATION.
TRANSFER GRILLE ABOVE DOOR/DOOR CONTROL TO FIELD VERNY
DIMENSIONS.
SUPPLY REGISTER TO BE MOUNTED IN CTR CORRAL SOFFIT.
10" UP TO OPENING THRU ROOF CAPPED WITH KROGER FURNISHED
EXHAUST FAN AND CURB E-F4. CONTRACTOR TO PROVIDE
REVERSE ACTION THERMOSTAT FOR FAN. FAN TO ENERGIZE WHEN ROOM
REACHES 68°F.
12X10 GREASE DUCT FROM EXHAUST HOOD H-3 TO OPENING THRU ROOF
CAPPED WITH E-F4/G2 DUCTS. CONTRACTOR TO PROVIDE DUCTWORK
TO PROVIDE HINGE KIT. DUCTWORK IS TO RUN THE ENTIRE LENGTH OF
GREASE DUCT FROM CEILING PLACEMENT TO FAN. REFER TO DETAIL
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
DUCT TO BE ROUTED THRU STRUCTURAL VIERENDELL. COORDINATE
WITH STRUCTURE PRIOR TO FABRICATION OF DUCTWORK.
TEMPERATURE SENSOR FOR ROOFTOP UNIT FURNISHED BY BUILDING
CONTROLS PROVIDER. INSTALL PER" 6" ON COLUMN. REFER TO EM
SERIES OF DRAWINGS FOR ADDITIONAL INFORMATION.
12" DUCT UP TO OPENING THRU ROOF CAPPED WITH KROGER FURNISHED
EXHAUST FAN AND CURB E-F4.
12" DUCT UP TO OPENING THRU ROOF CAPPED WITH KROGER FURNISHED
EXHAUST FAN AND CURB E-F4.
FACE-OPERABLE VOLUME DAMPER.
12" DUCT UP TO OPENING THRU ROOF CAPPED WITH KROGER

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GENERAL NOTES	
A.	REFER TO HEATING, VENTILATING & AIR CONDITIONING SPECIFICATIONS AND GENERAL CONDITIONS FOR ADDITIONAL REQUIREMENTS.
B.	ALL DIFFUSERS AND CEILING GRILLES SHALL BE COORDINATED WITH LAY-IN CEILING GRID AND PROVIDED BY MECHANICAL CONTRACTOR. SEE SCHEDULE SHEET M6.1.
C.	PROVIDE BALANCING DAMPERS FOR EACH DIFFUSER, REGISTER AND GRILLE AT POINTS ON SUPPLY, RETURN, AND EXHAUST SYSTEMS WHERE BRANCHES LEAD OFF FROM LARGER DUCTS OR IN DIFFUSERS AS REQUIRED FOR AIR BALANCING. INSTALL AT A MINIMUM OF TWO DUCT WIDTHS FROM BRANCH TAKEOFF WHERE PRACTICAL. REFER TO HD-25 ON SHEET M3.1.
D.	NO PROVISION HAS BEEN MADE FOR RETURN AIR FROM THE BACK ROOM AS IT HAS BEEN OUR EXPERIENCE THAT ACCEPTABLE CONSTRUCTION TOLERANCES IN THIS AREA RESULTS IN LEAKAGE IN AN AMOUNT EQUAL TO THAT SUPPLIED.
E.	ALL NEW EXHAUST FANS AND RTUs SPECIFIED ARE INCLUDED IN OWNERS DIRECT BUY PROGRAM AND SHALL BE PROVIDED BY OWNER AND INSTALLED BY HVAC CONTRACTOR, UNLESS OTHERWISE NOTED.
F.	ALL HVAC DUCT SMOKE DETECTORS ARE SHOWN ON ELECTRICAL SYSTEMS PLAN.
G.	REFER TO RTU SCHEDULE SHEET M6.1 FOR ROOFTOP UNIT INFORMATION.
H.	PROVIDE AND INSTALL BACKDRAFT DAMPERS FOR NON-KITCHEN EXHAUST FANS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
I.	THE STORE'S MECHANICAL DESIGN SHALL BE ELIGIBLE TO EARN ENERGY STAR CERTIFICATION.
J.	SUPPLY AND RETURN DUCTWORK FROM ROOFTOP UNITS TO BE INTERNALLY INSULATED A MINIMUM OF TEN FEET FOR SOUND ATTENUATION. SEE DETAIL HSD-3, SHEET M5.1.
K.	REFER TO ROOFTOP UNIT CURB DETAILS, SHEET M5.1 FOR ROOFTOP UNIT CURB INSTALLATION.
L.	PROVIDE TURNING VANES IN ALL RECTANGULAR MITERED ELBOWS. ONLY ITEMS REQUIRED FOR THE OPERATION OF THE ELEVATOR ARE ALLOWED TO BE IN OR PASS THROUGH THE ELEVATOR EQUIPMENT ROOM.
M.	ALL DIFFUSERS ARE 4-WAY UNLESS OTHERWISE INDICATED. REFER TO HD-4 ON SHEET M3.1.
N.	RUNOUTS TO CEILING DIFFUSERS ARE THE SAME SIZE AS THE DIFFUSER NECK UNLESS NOTED OTHERWISE.
O.	REFER TO RTU WIND SEISMIC RESTRAINT BRACKET DETAIL HSD-10 ON SHEET M5.1.

KEYED NOTES	
3	10X14 DUCT UP TO OPENING THRU ROOF CAPPED WITH KROGER FURNISHED EXHAUST FAN AND CURB EF-R2.
4	10X12 DUCT UP TO OPENING THRU ROOF CAPPED WITH KROGER FURNISHED EXHAUST FAN AND CURB EF-R4.
12	TEMPERATURE SENSOR FOR ROOFTOP UNIT FURNISHED BY BUILDING CONTROL PROVIDER. MOUNT SENSOR AT 5'-0" AFF. REFER TO EX SERIES OF DRAWINGS FOR ADDITIONAL INFORMATION.
23	KROGER FURNISHED SPLIT SYSTEM PROVIDED WITH LOW AMBIENT KIT AND WIND BAFFLES. MOUNT ON WALL PER MANUFACTURER'S RECOMMENDATIONS. ROUTE REFRIGERANT LINES THRU ROOF TO CONDENSING UNIT PER MANUFACTURER'S GUIDELINES. ROUTE 3/4" INSULATED CONDENSATE TO HUB DRAIN IN AREA. REFER TO HVAC SPLIT SYSTEM DIAGRAM HSD-11 ON SHEET M5.1.
32	ROOFTOP UNIT FURNISHED BY KROGER AND INSTALLED BY MECHANICAL CONTRACTOR. REFER TO SCHEDULE SHEET M6.1 BALANCE TO SCHEDULED CFM. REFER TO MOUNTING DETAILS, SHEET M6.1.
34	12X12 DUCT UP TO OPENING THRU ROOF CAPPED WITH KROGER FURNISHED EXHAUST FAN AND CURB EF-P. CONTRACTOR TO PROVIDE REVERSE ACTING THERMOSTAT FOR FAN. FAN TO ENERGIZE WHEN ROOM REACHES 80 DEG F.
36	SKYLIGHT SHOWN FOR COORDINATION.
40	12X12 DUCT UP TO OPENING THRU ROOF CAPPED WITH KROGER FURNISHED EXHAUST FAN AND CURB EF-E. CONTRACTOR TO PROVIDE REVERSE ACTING THERMOSTAT FOR FAN. FAN TO ENERGIZE WHEN ROOM REACHES 80 DEG F.
71	REFER TO DUCTED RETURN REGISTER DETAIL HD-6 ON SHEET M3.1 (TYP).

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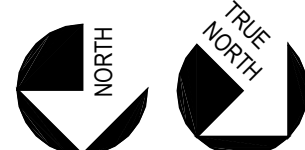
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1 HVAC ROOF PLAN
M1.2 SCALE: 1/16" = 1'-0"



GENERAL NOTES

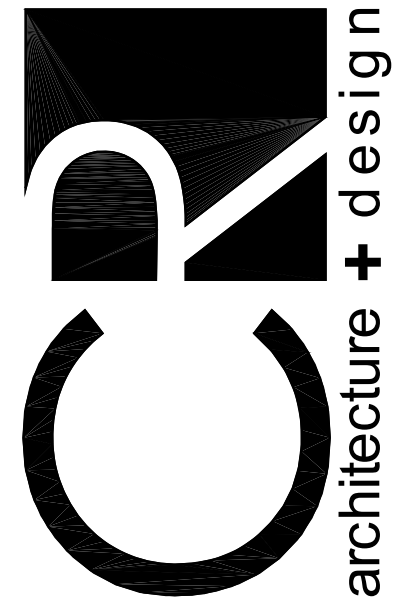
- REFER TO HEATING, VENTILATING & AIR CONDITIONING SPECIFICATIONS AND GENERAL CONDITIONS FOR ADDITIONAL REQUIREMENTS.
- ALL DIFFUSERS AND CEILING GRILLES SHALL BE COORDINATED WITH LAY-IN CEILING GRID AND PROVIDED BY MECHANICAL CONTRACTOR. SEE SCHEDULE SHEET M6.1.
- PROVIDE BALANCING DAMPERS FOR EACH DIFFUSER, REGISTER AND GRILLE AT POINTS ON SUPPLY, RETURN, AND EXHAUST SYSTEMS WHERE BRANCHES LEAD OFF FROM LARGER DUCTS OR IN DIFFUSERS AS REQUIRED FOR AIR BALANCING. INSTALL AT A MINIMUM OF TWO DUCT WIDTHS FROM BRANCH TAKEOFF WHERE PRACTICAL. REFER TO HD-25 ON SHEET M3.1.
- NO PROVISION HAS BEEN MADE FOR RETURN AIR FROM THE BACK ROOM AS IT HAS BEEN OUR EXPERIENCE THAT ACCEPTABLE CONSTRUCTION TOLERANCES IN THIS AREA RESULTS IN LEAKAGE IN AN AMOUNT EQUAL TO THAT SUPPLIED.
- ALL NEW EXHAUST FANS AND RTUS SPECIFIED ARE INCLUDED IN OWNER'S DIRECT BUY PROGRAM AND SHALL BE PROVIDED BY OWNER AND INSTALLED BY HVAC CONTRACTOR, UNLESS OTHERWISE NOTED.
- ALL HVAC DUCT SMOKE DETECTORS ARE SHOWN ON ELECTRICAL SYSTEMS PLAN.
- REFER TO RTU SCHEDULE SHEET M6.1 FOR ROOFTOP UNIT INFORMATION.
- PROVIDE AND INSTALL BACKDRAFT DAMPERS FOR NON-KITCHEN EXHAUST FANS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- THE STORE'S MECHANICAL DESIGN SHALL BE ELIGIBLE TO EARN ENERGY STAR CERTIFICATION.
- SUPPLY AND RETURN DUCTWORK FROM ROOFTOP UNITS TO BE INTERNALLY INSULATED A MINIMUM OF TEN FEET FOR SOUND ATTENUATION. SEE DETAIL HSD-3, SHEET M5.1.
- REFER TO ROOFTOP UNIT CURB DETAILS, SHEET M5.1 FOR ROOFTOP UNIT CURB INSTALLATION.
- PROVIDE TURNING VANES IN ALL RECTANGULAR MITERED ELBOWS. ONLY ITEMS REQUIRED FOR THE OPERATION OF THE ELEVATOR ARE ALLOWED TO BE IN OR PASS THROUGH THE ELEVATOR EQUIPMENT ROOM.
- ALL DIFFUSERS ARE 4-WAY UNLESS OTHERWISE INDICATED. REFER TO HD-4 ON SHEET M3.1.
- RUNOUTS TO CEILING DIFFUSERS ARE THE SAME SIZE AS THE DIFFUSER NECK UNLESS NOTED OTHERWISE.
- REFER TO RTU WIND SEISMIC RESTRAINT BRACKET DETAIL HSD-10 ON SHEET M5.1.

KEYED NOTES

- UV-50 VENT KIT INCLUDED WITH UNIT AND SUPPLIED BY HOBART. VENT KIT AUTOMATICALLY REMOVES STEAM/CONDENSATION AT THE COMPLETION OF THE WAREWASH CYCLE. WAREWASH DOOR WILL NOT OPEN UNTIL THIS PROCESS IS COMPLETED. MECHANICAL CONTRACTOR TO CONNECT A 10" STAINLESS STEEL DUCT TO THE VENT KIT OPENING THRU ROOF AND TO TERMINATE THE END OF THE DUCT WITH AN ELL. REFER TO DETAIL HSD-8 SHEET M5.1.
- SKYLIGHT SHOWN FOR COORDINATION.
- ROOF-MOUNTED REFRIGERATION CONDENSER SHOWN FOR COORDINATION PURPOSES.
- REFER TO PIPING SUPPORT DETAIL HD-17 ON SHEET M3.1 (TYP).
- REFER TO UPRAST EXHAUST FAN DETAIL HD-15 ON SHEET M3.1 (TYP).
- REFER TO REFRIGERANT PIPING DETAIL HD-16 ON SHEET M3.1 (TYP).
- 8" STAINLESS STEEL DUCT, NATURAL DRAFT, PER NFPA 96 FOR TORTILLA MACHINE THRU ROOF. TERMINATE PER MANUFACTURER'S INSTRUCTIONS.



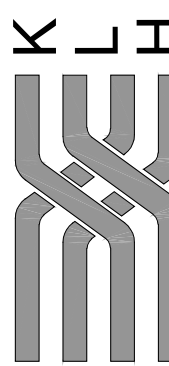
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ISSUE/REVISION

04/22/2014
90% OWNER REVIEW

05/16/2014
BID/PERMIT ISSUE

PROJECT TITLE

KROGER STORE
SW572

FM 407 & McMakin Road
Bartonville, TX 78034

COMMISSION NO. 514040

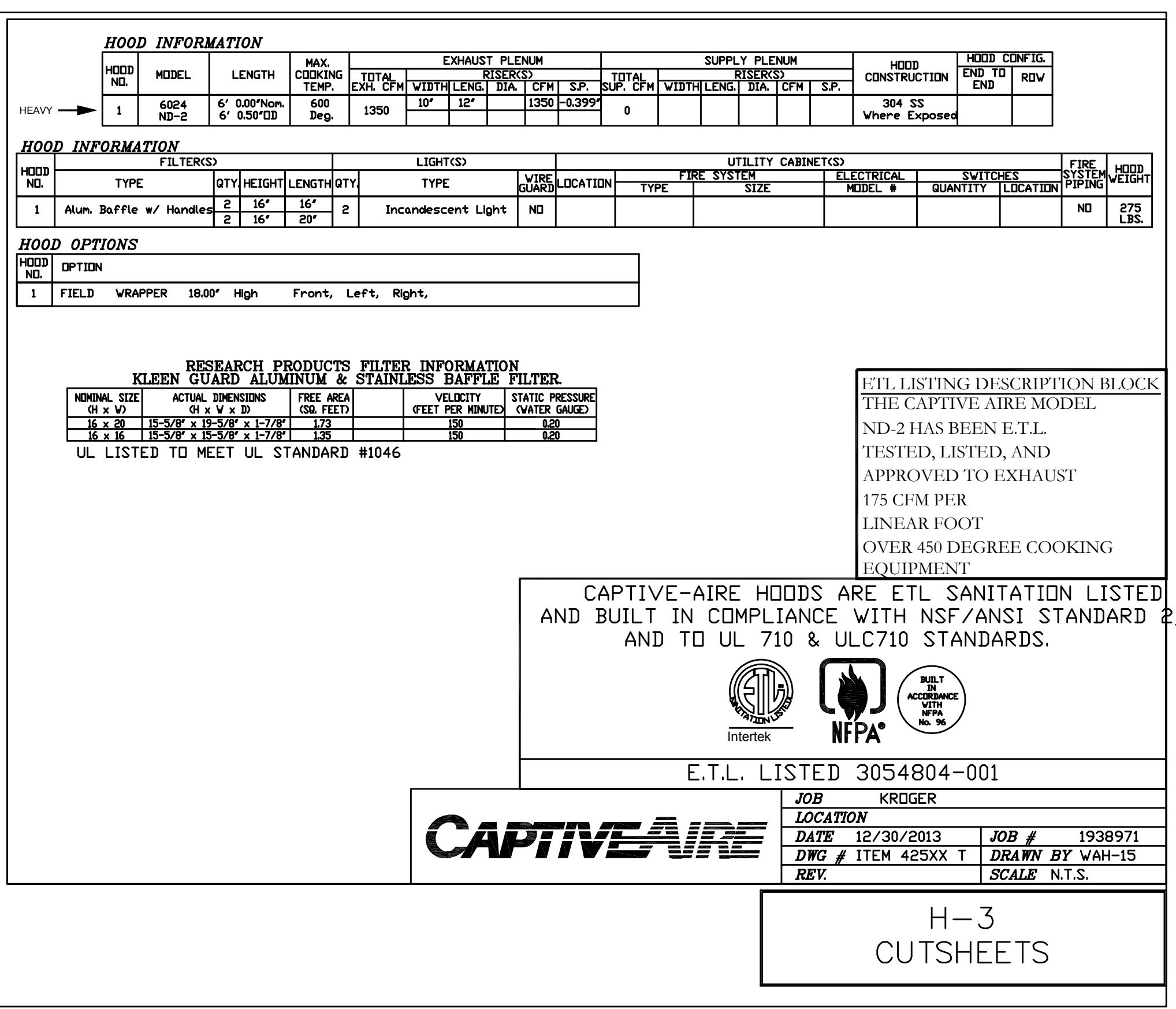
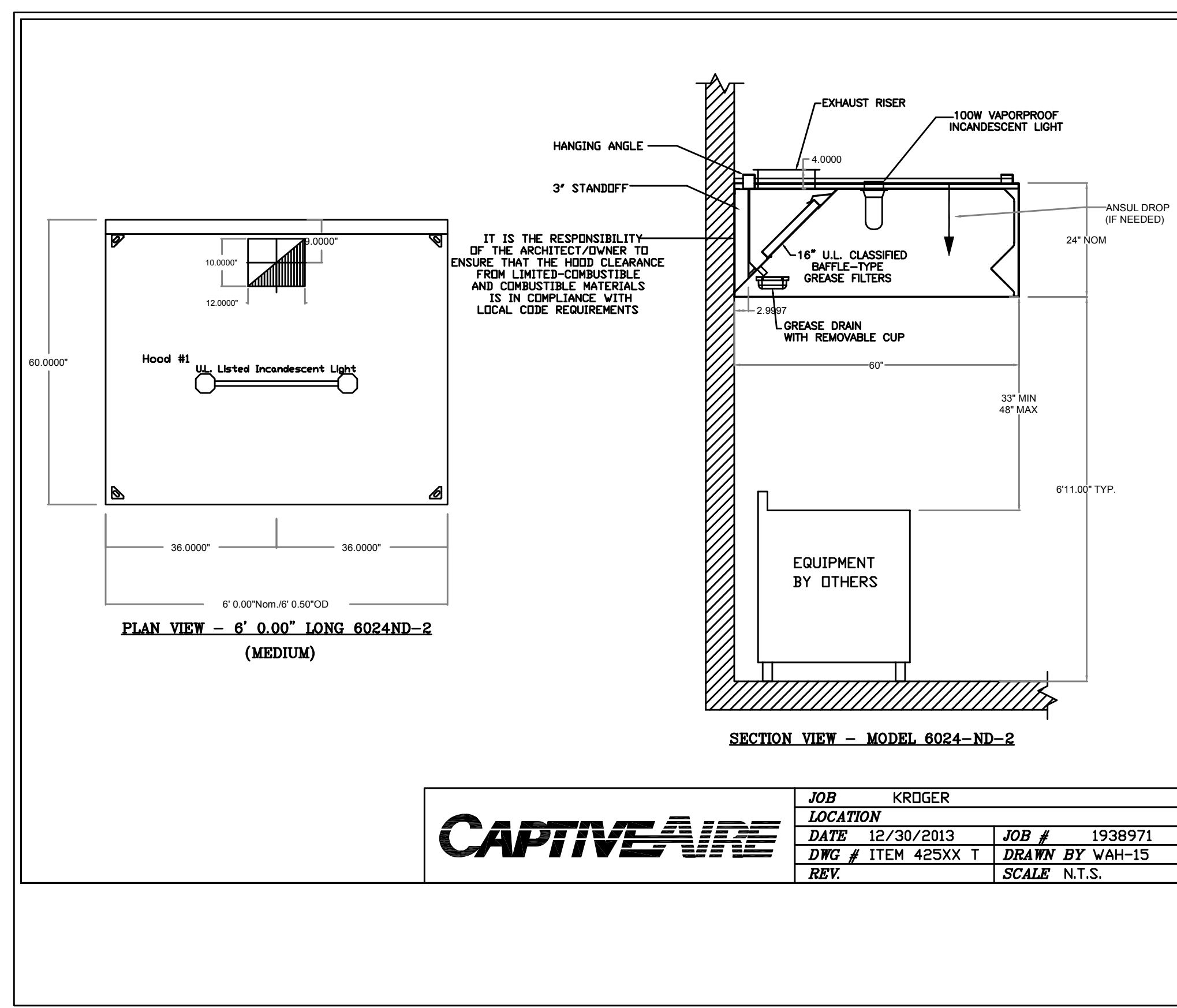
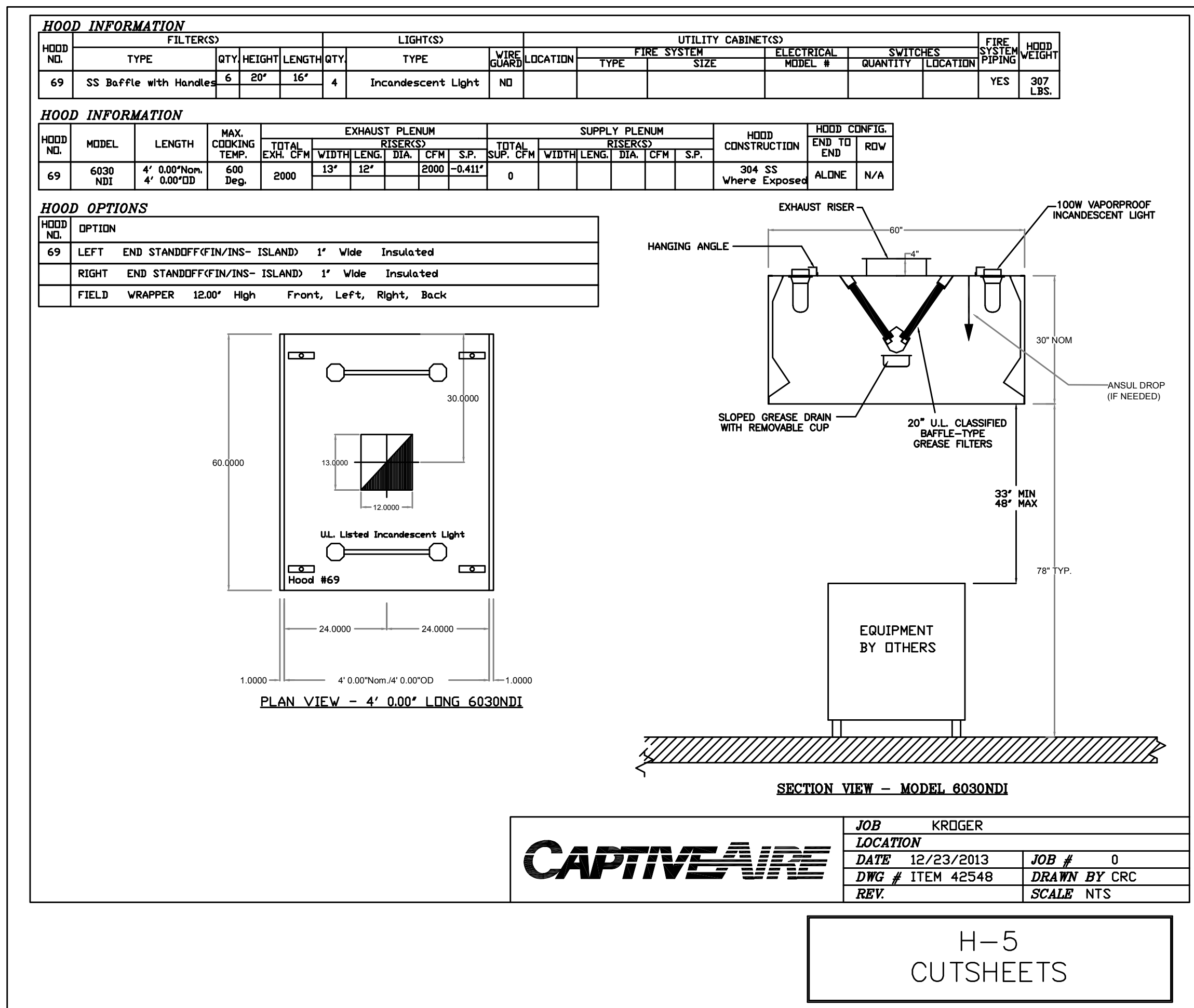
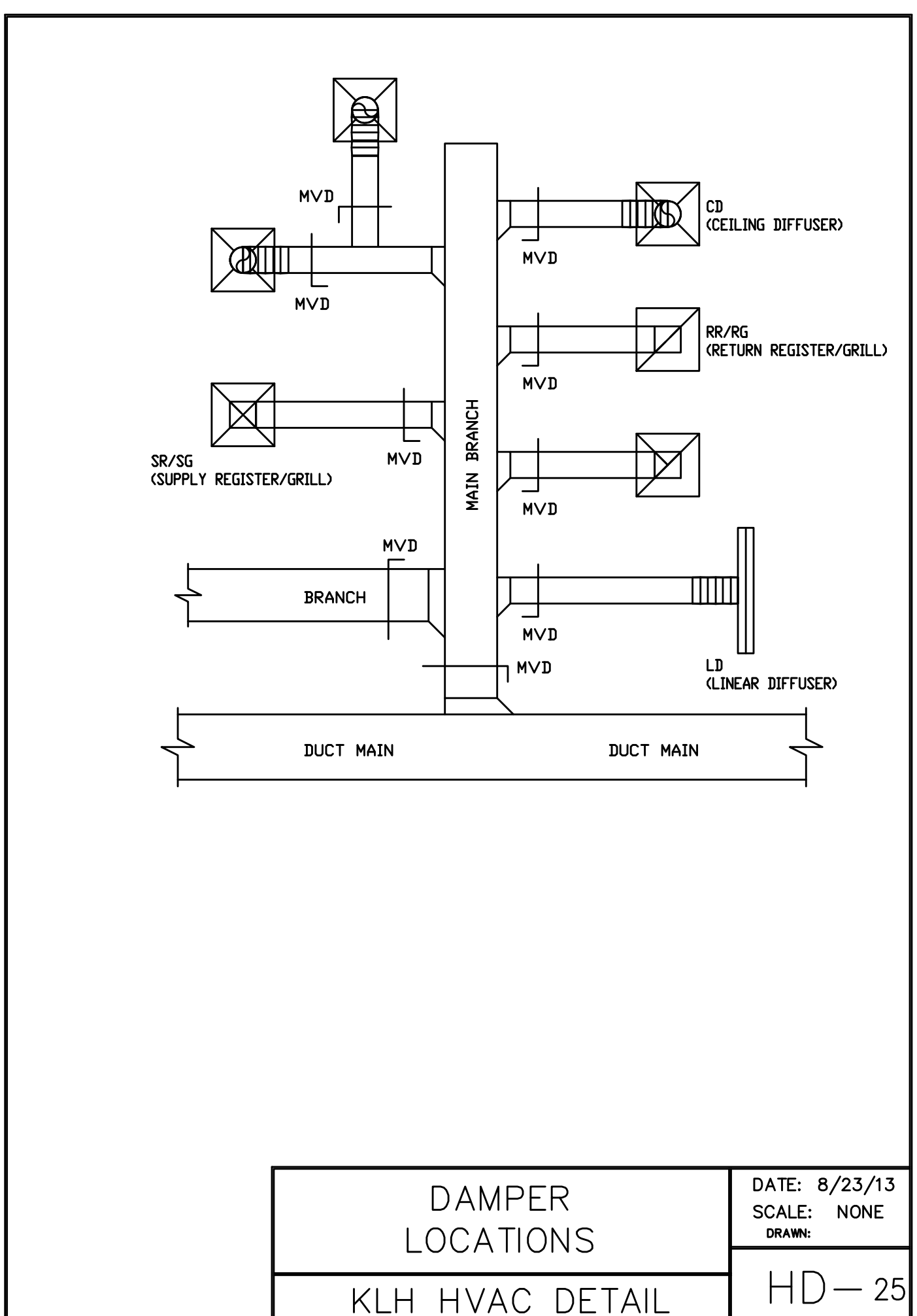
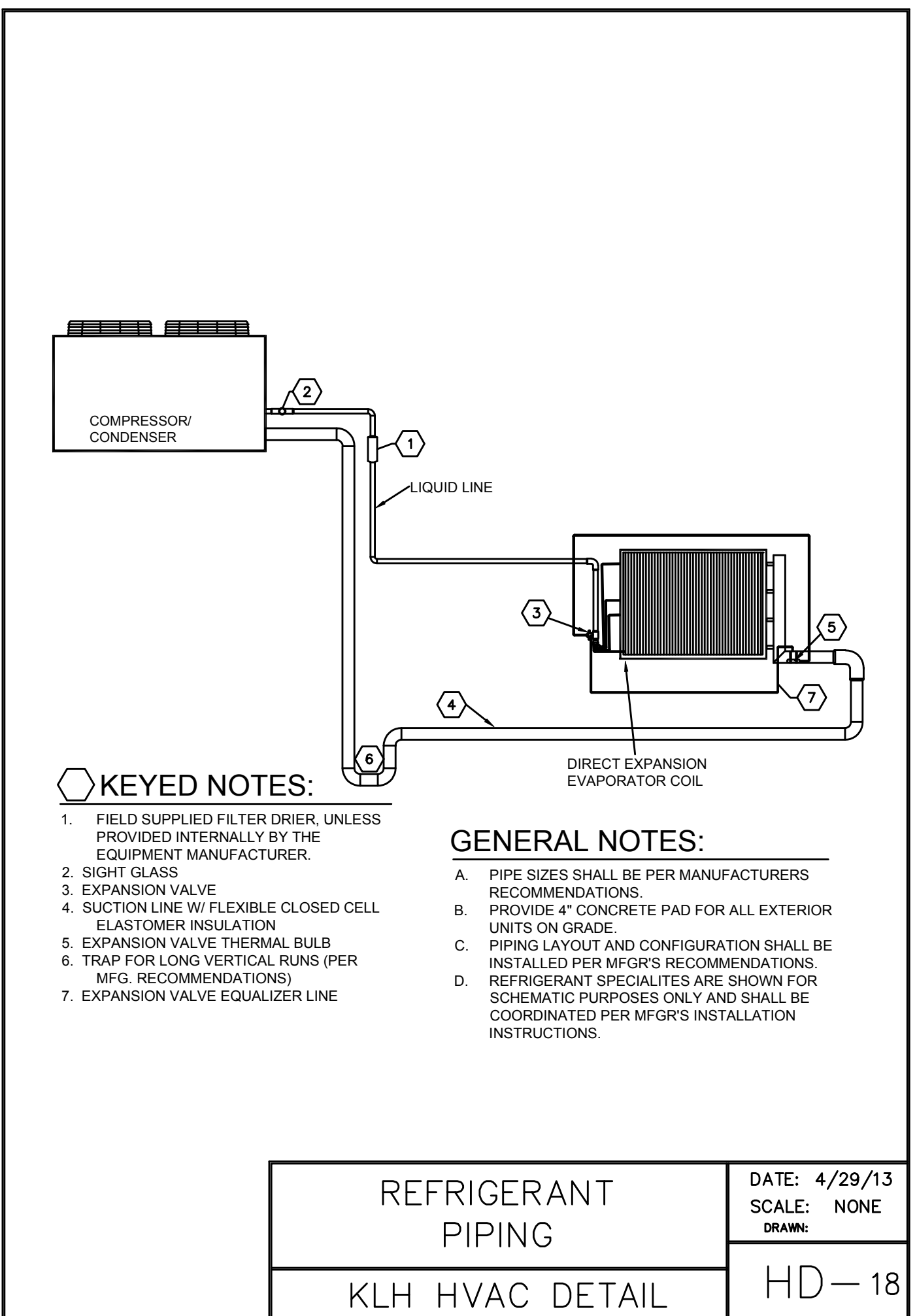
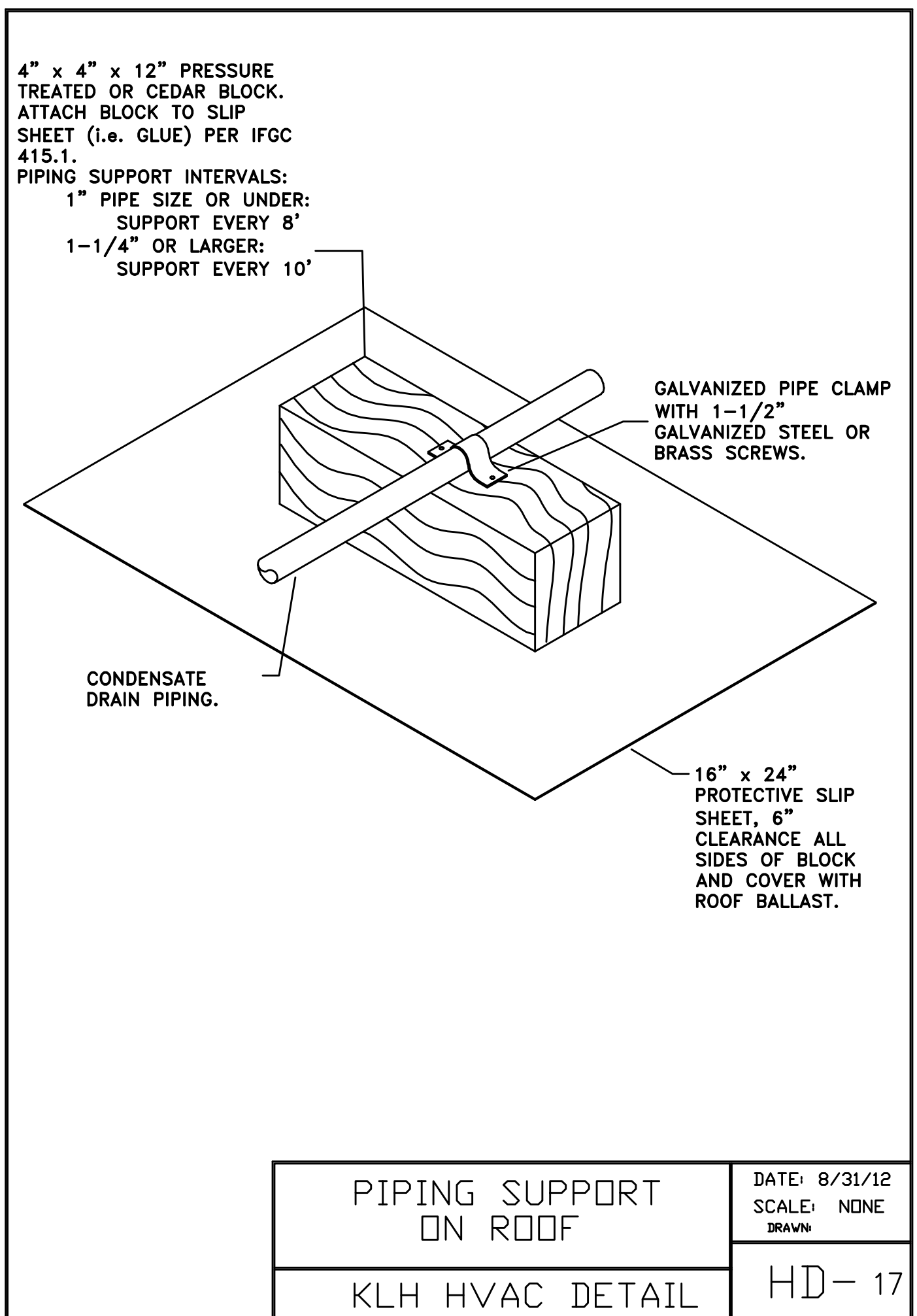
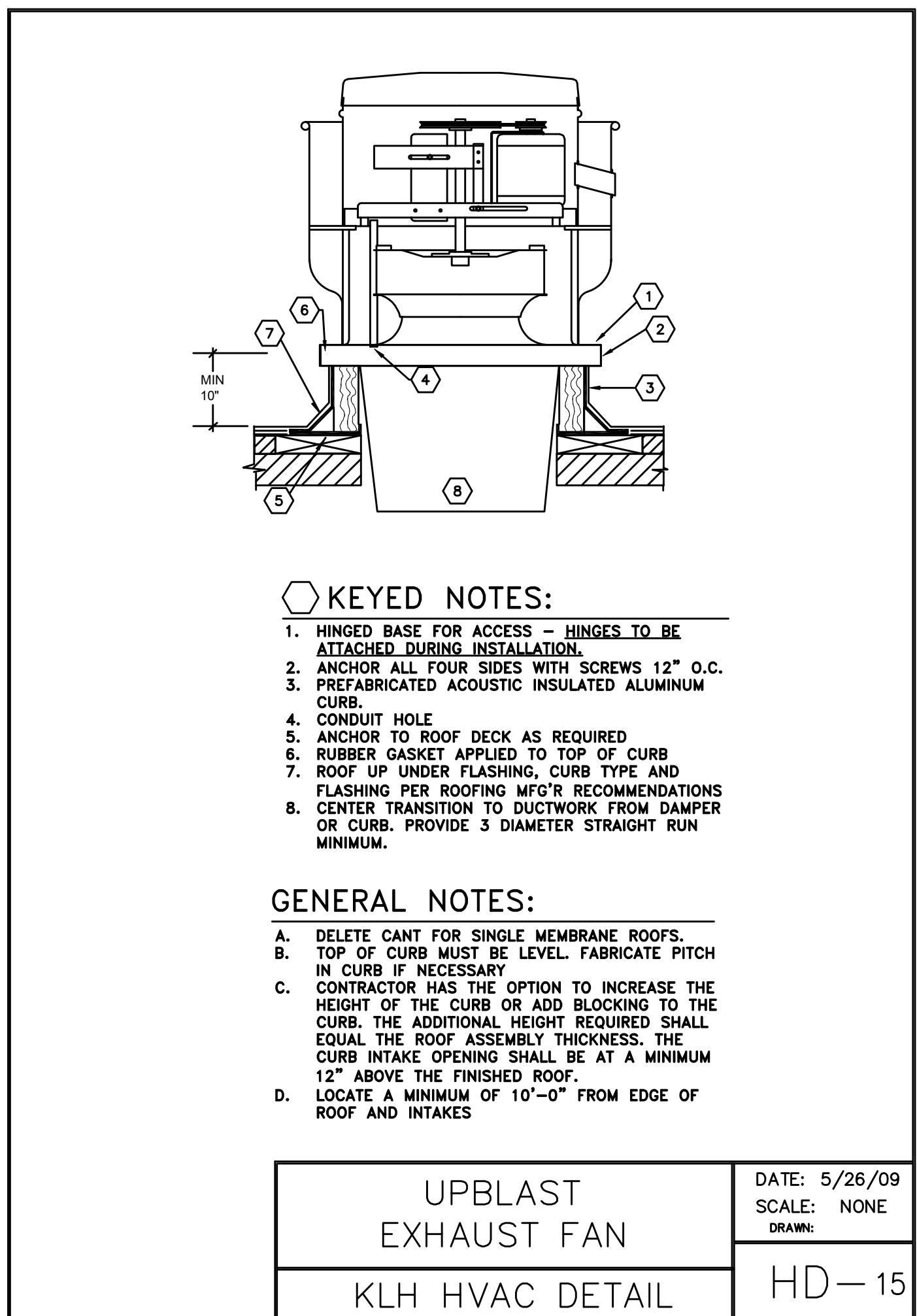
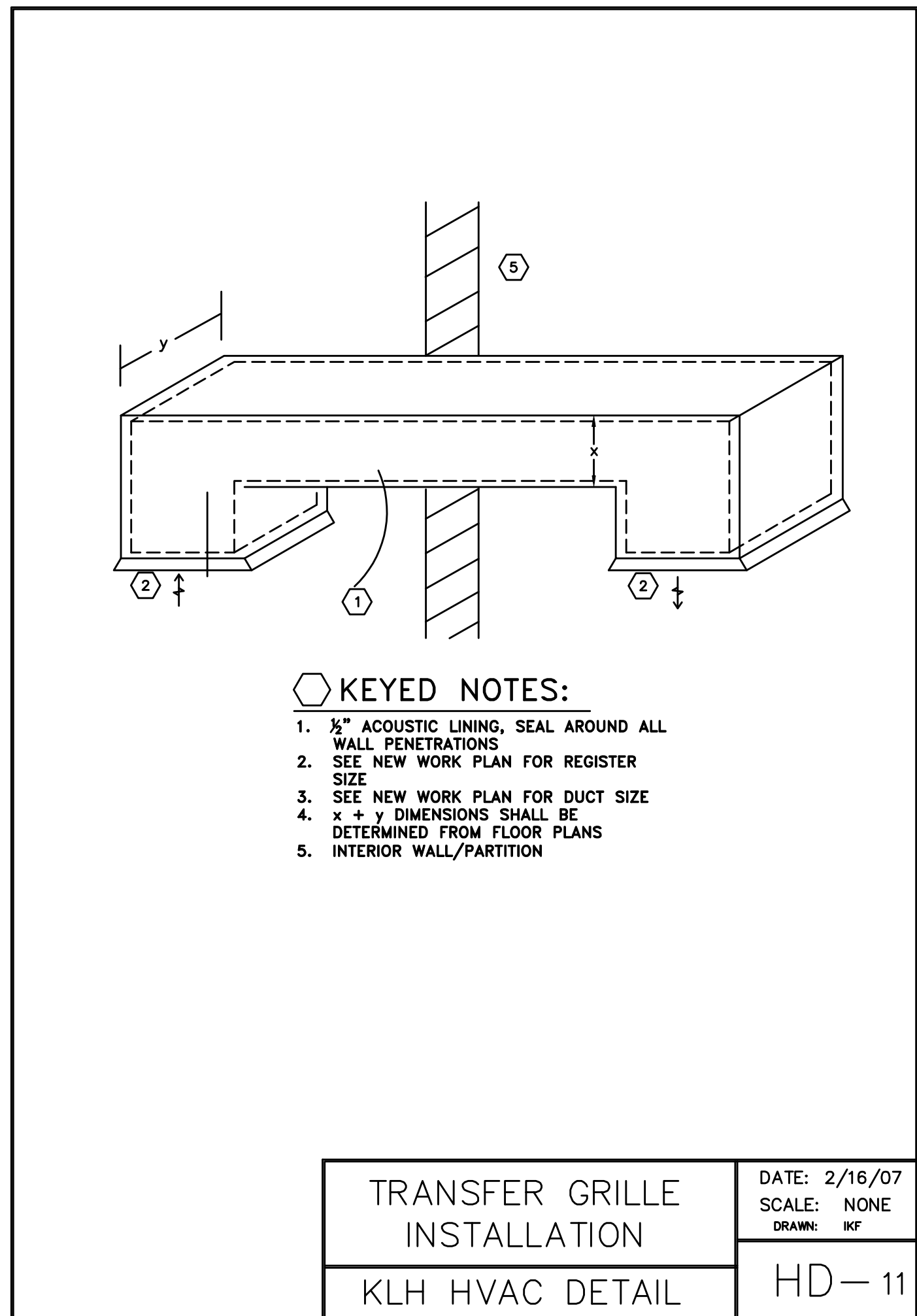
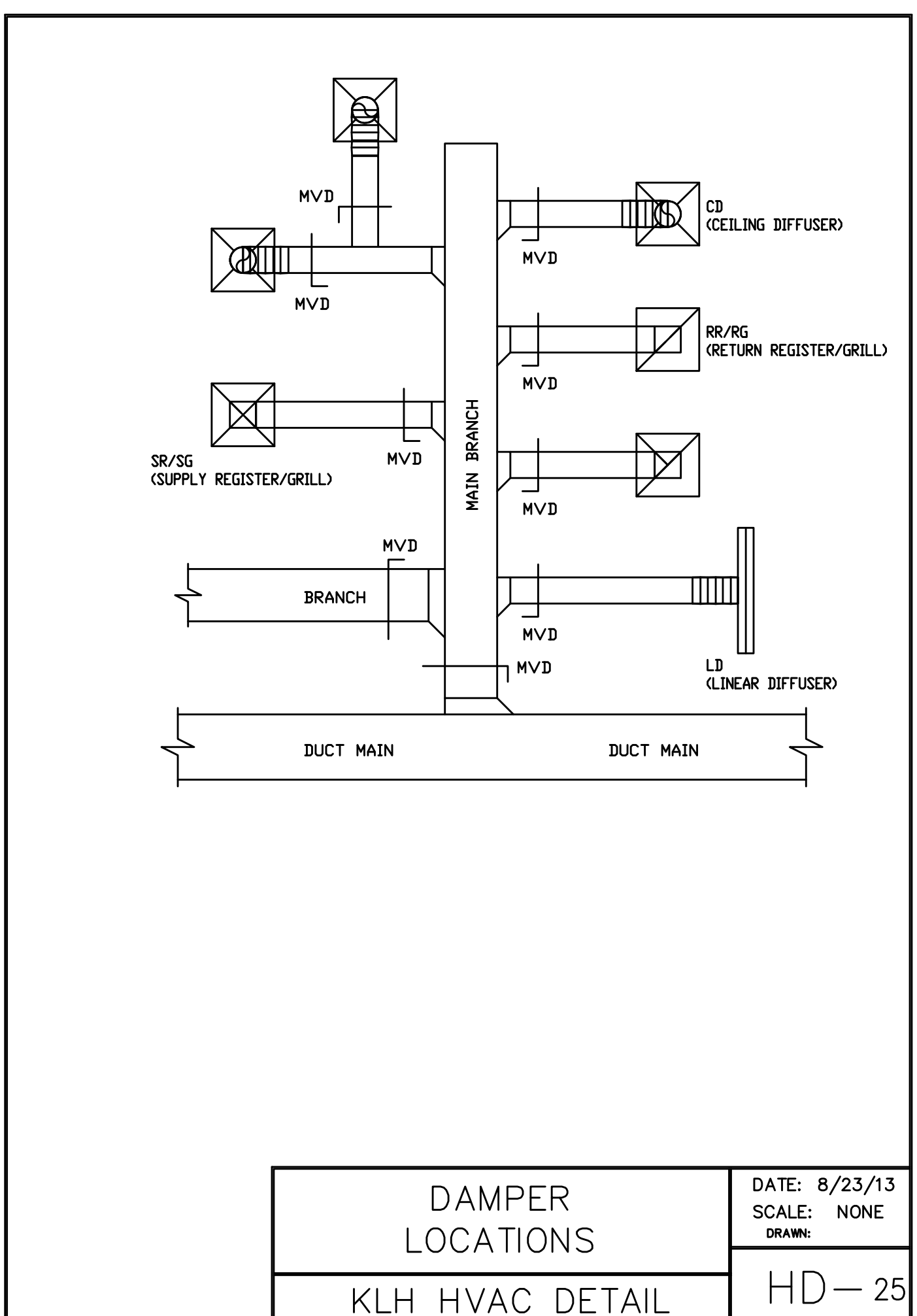
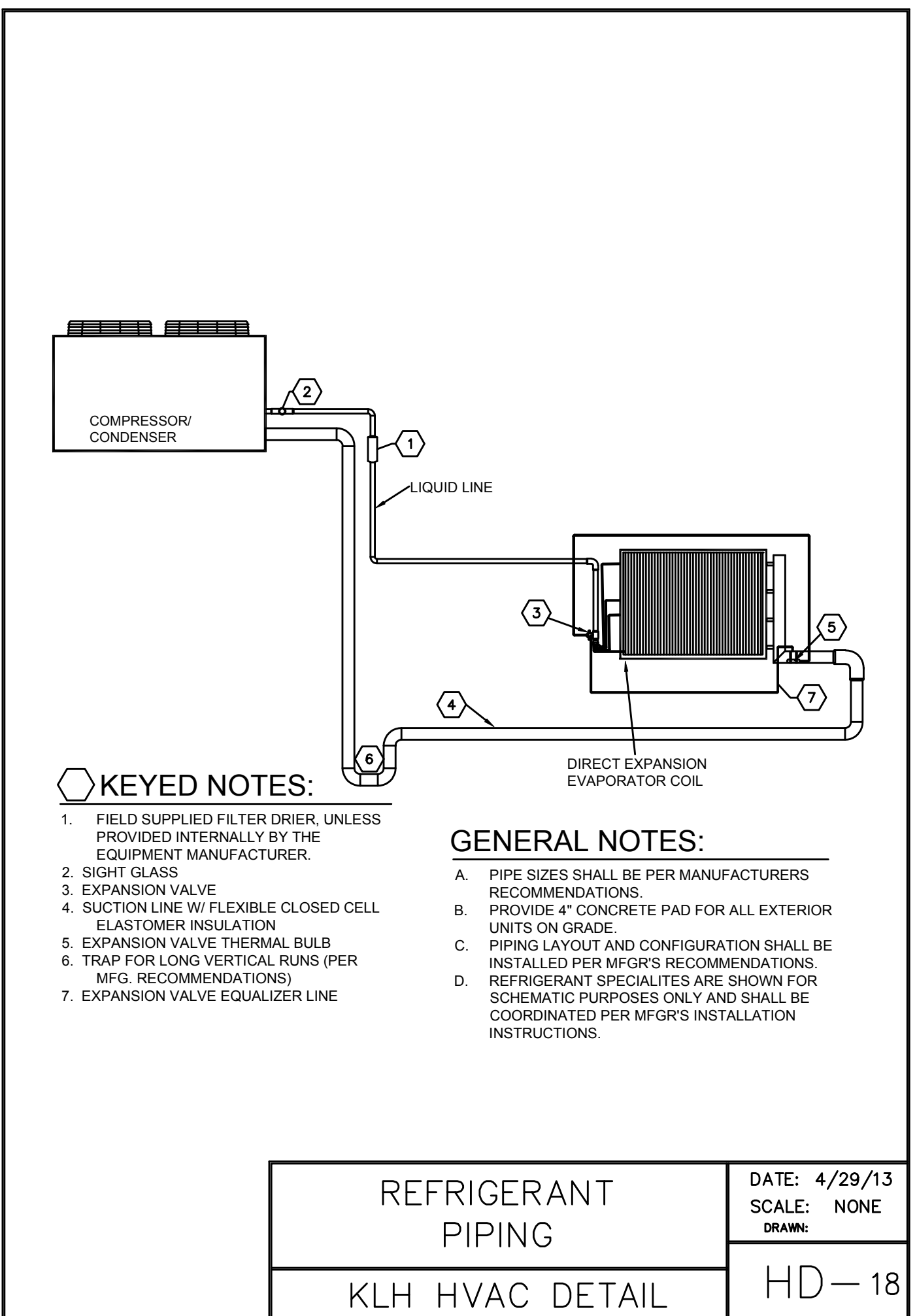
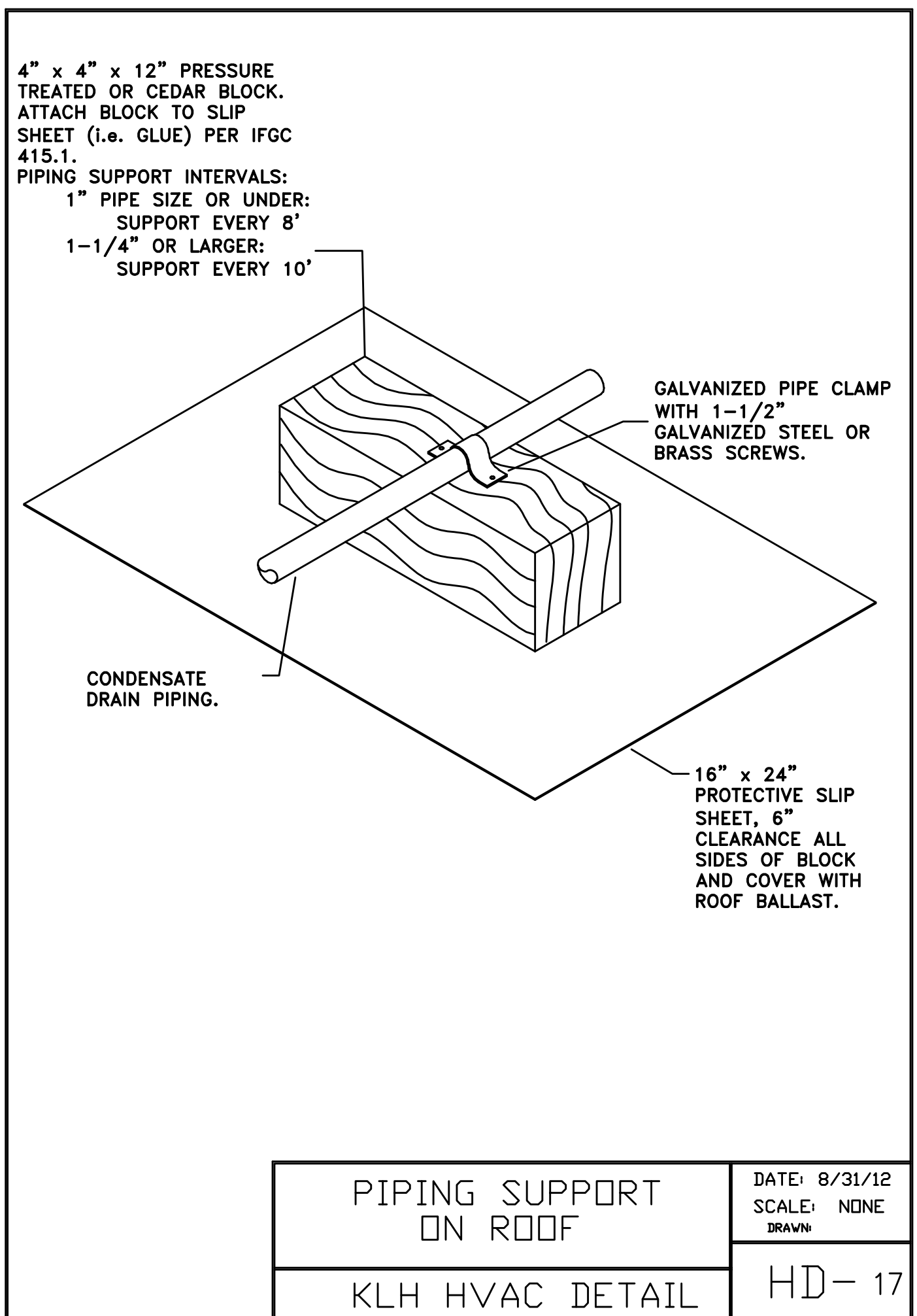
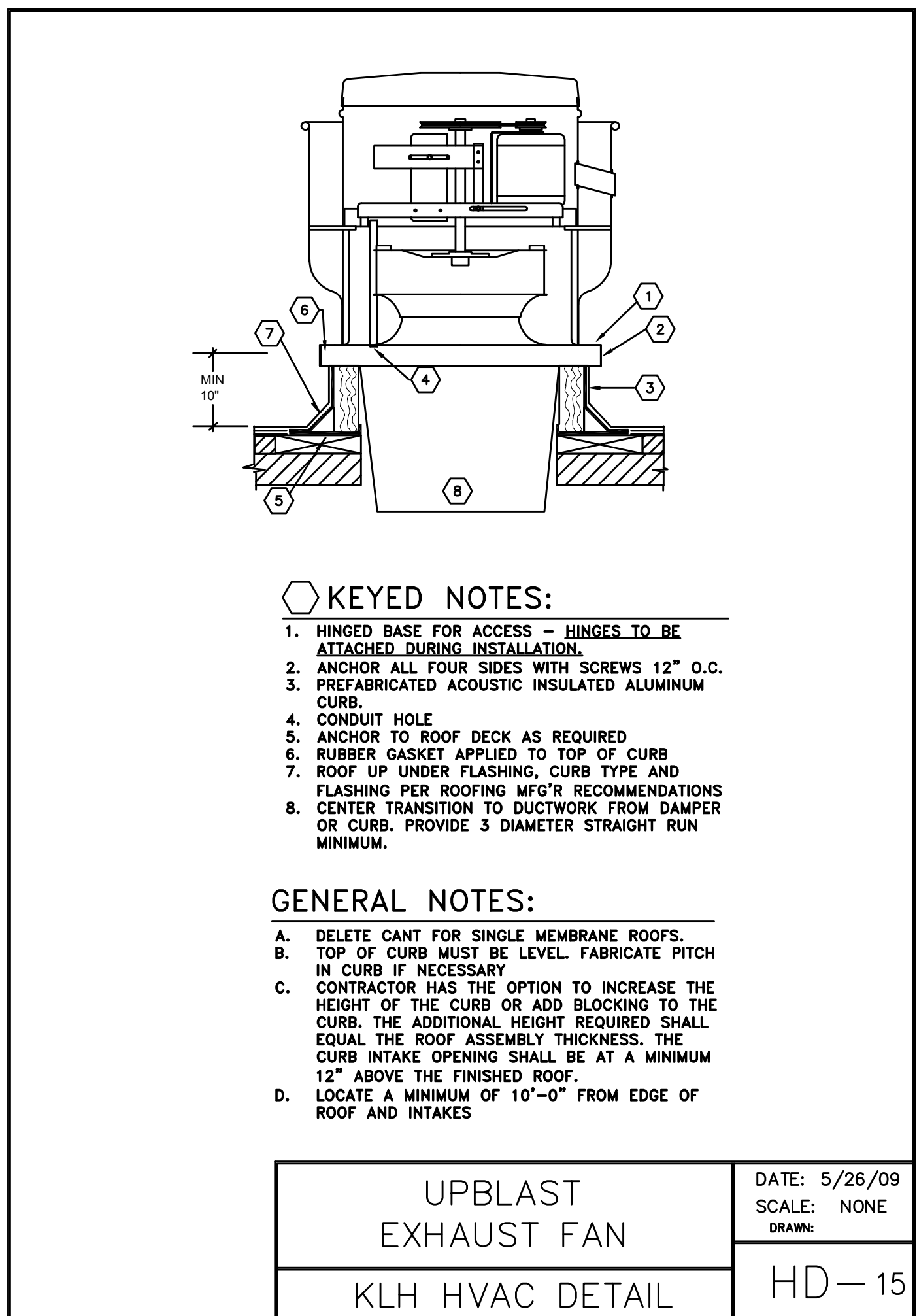
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SHEET TITLE
HVAC ROOF
PLAN

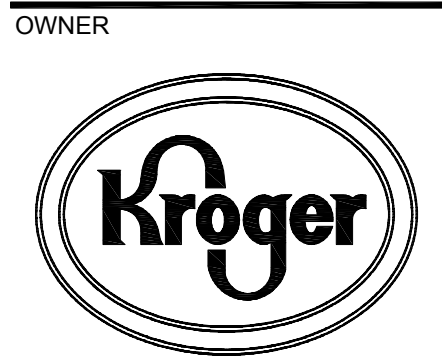
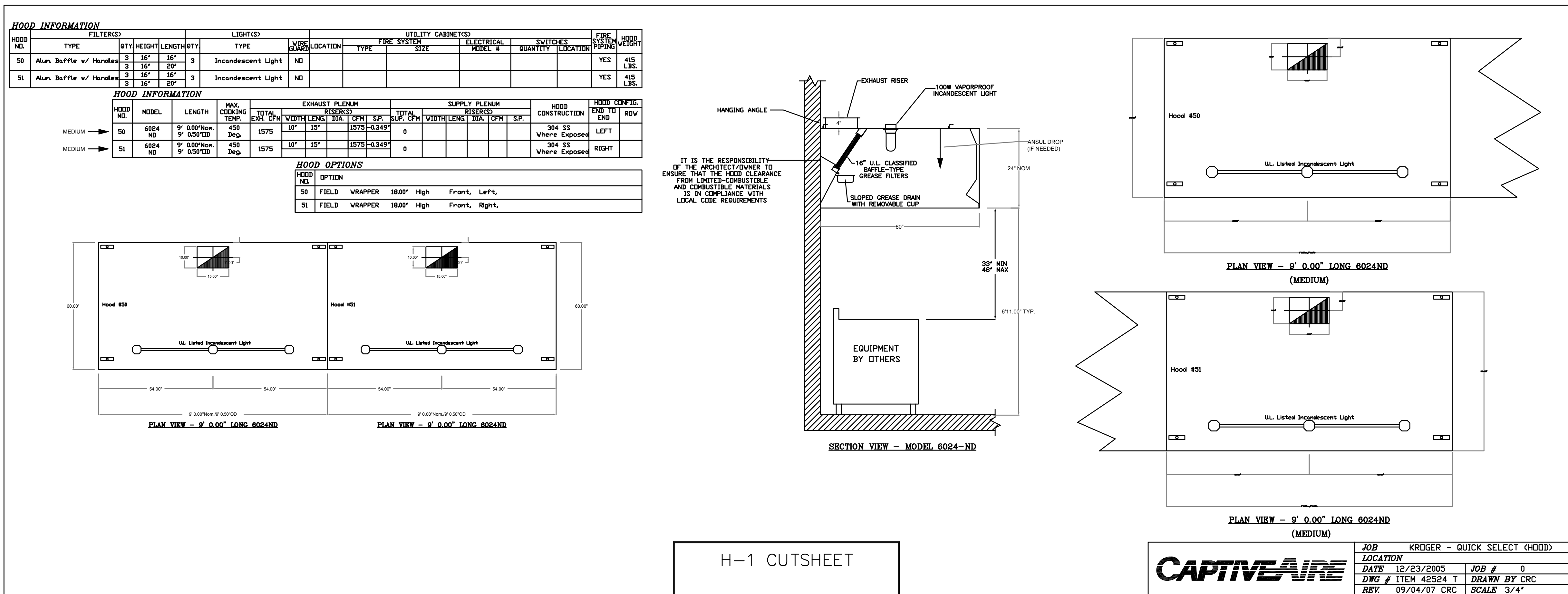
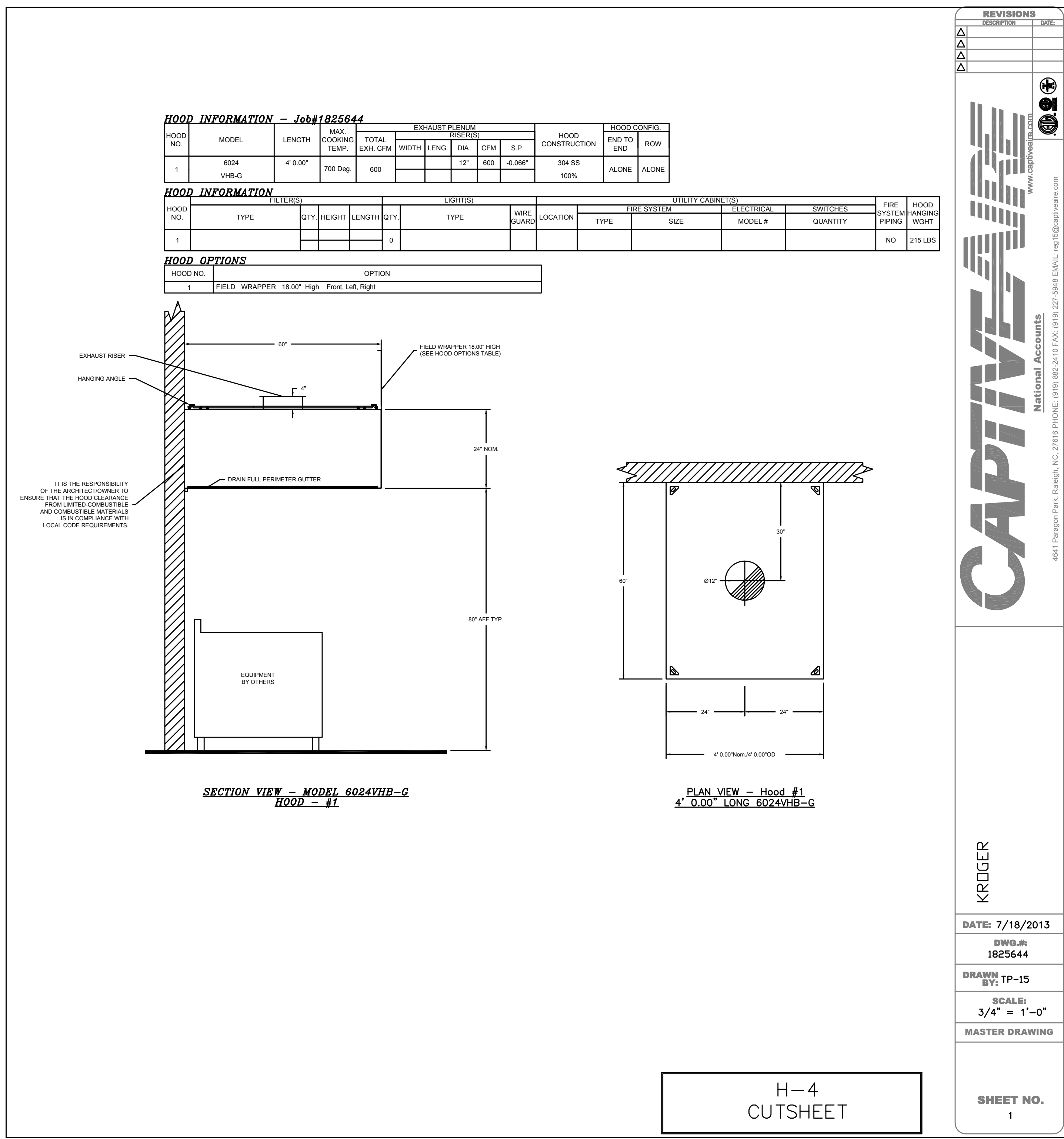
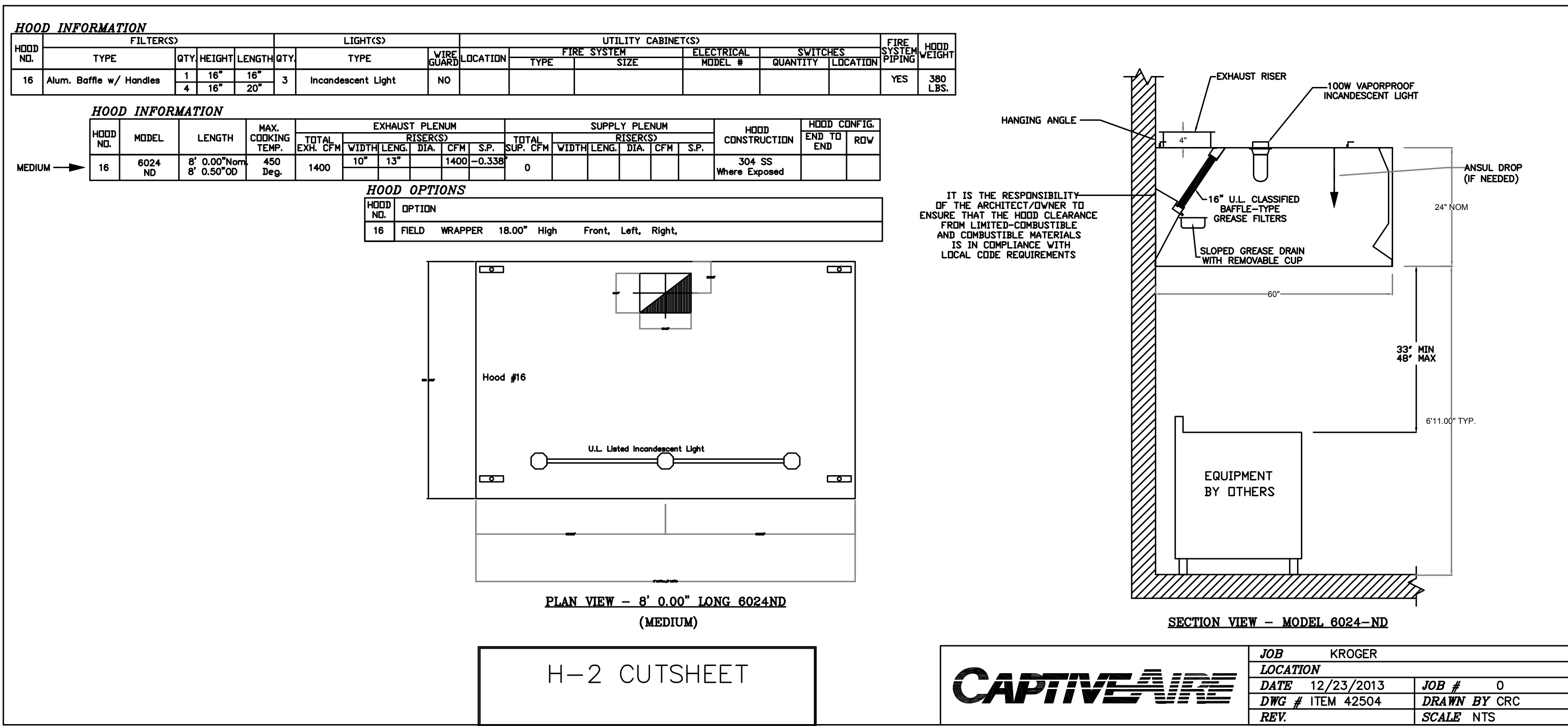
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M1.2

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ISSUE/REVISION

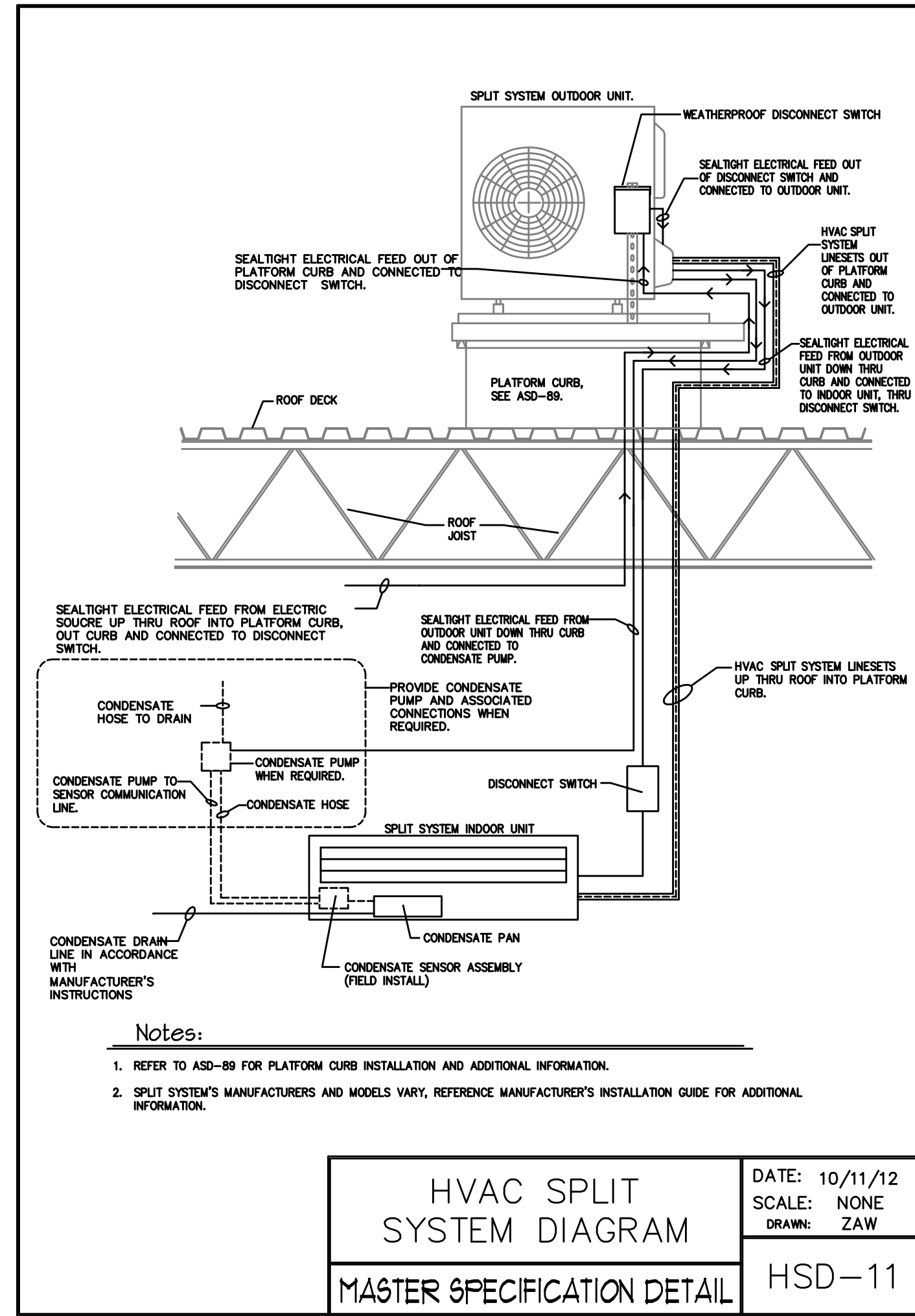
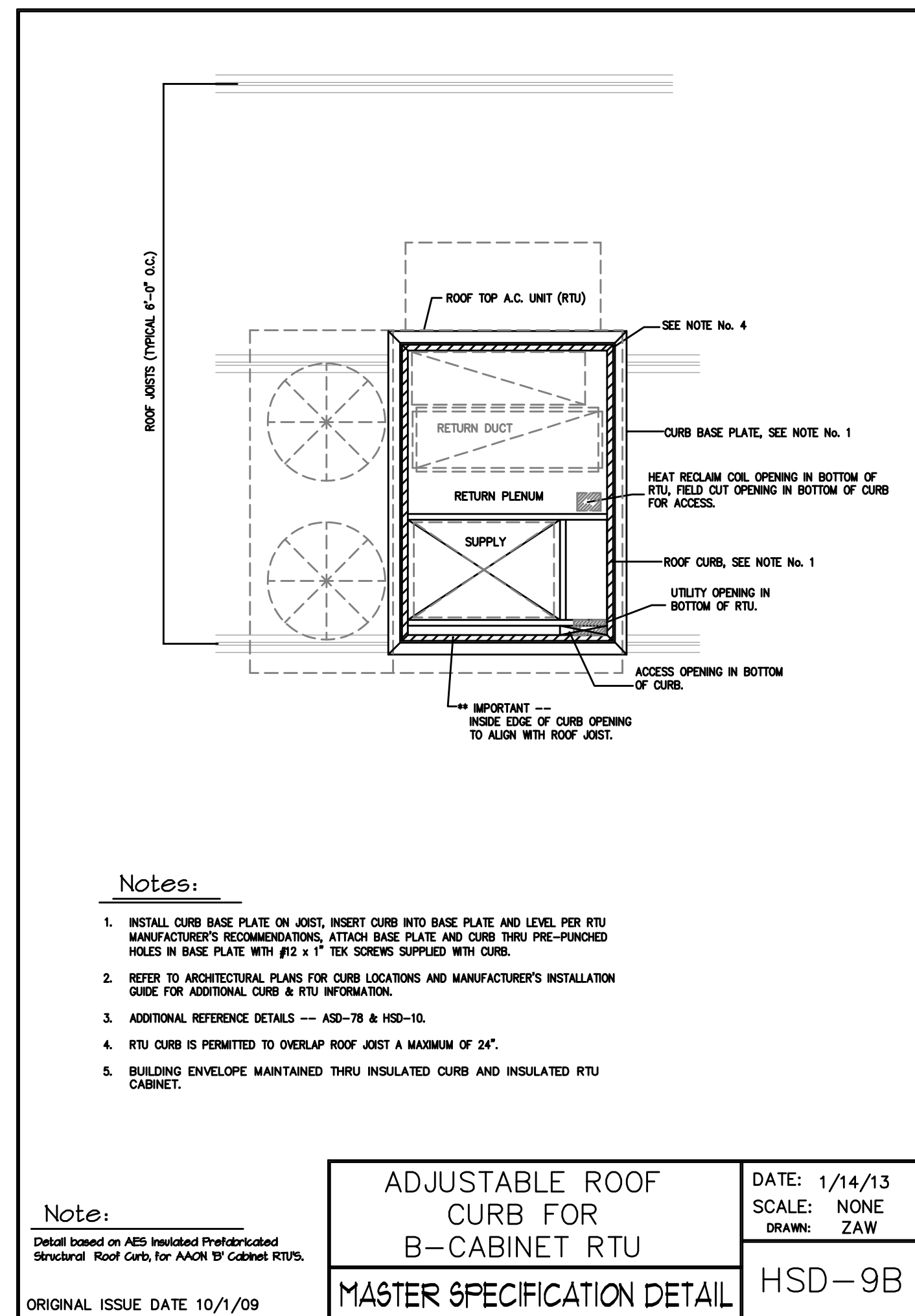
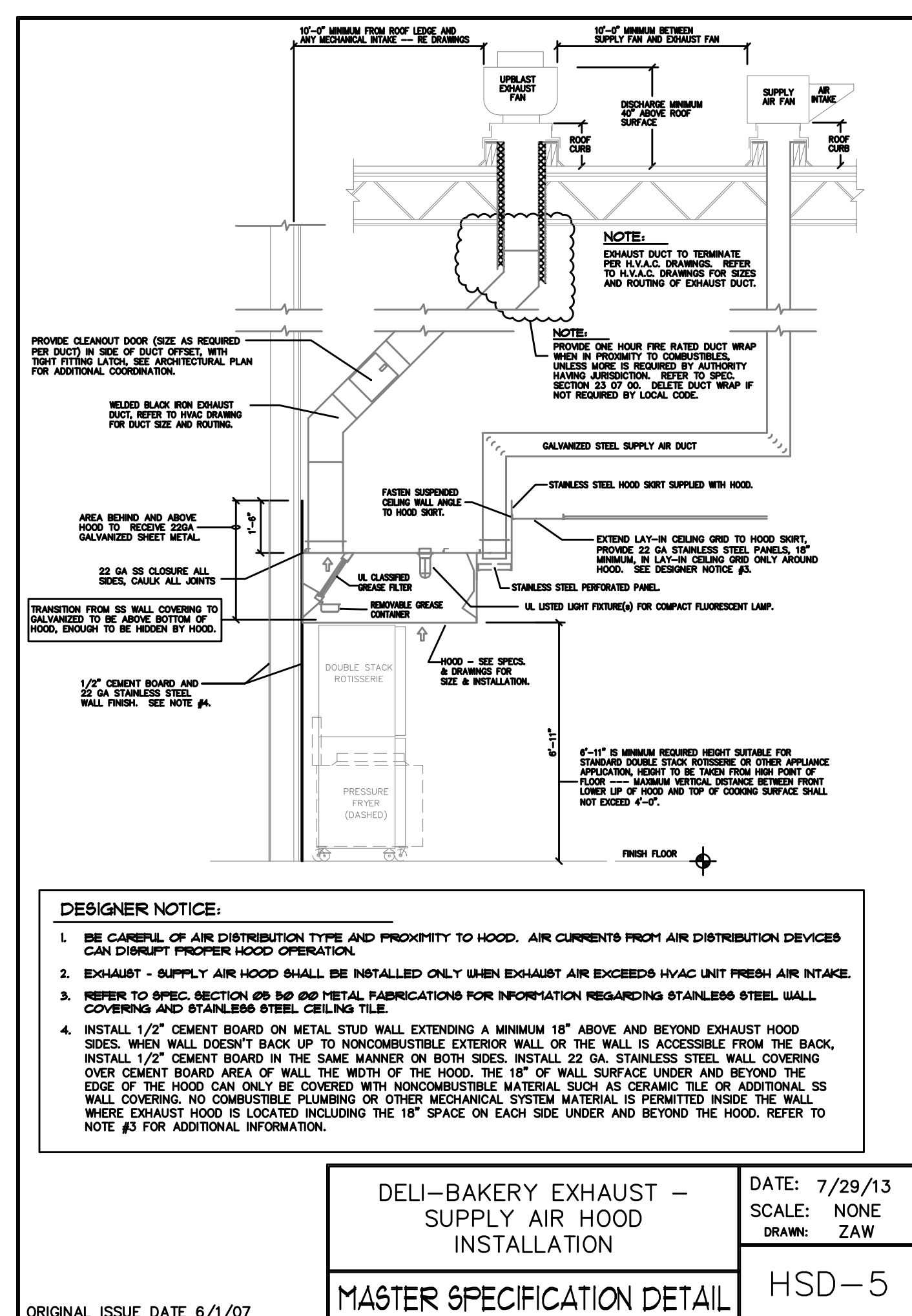
ISSUE/REVISION	DATE
04/22/2014	90% OWNER REVIEW
05/16/2014	BID/PERMIT ISSUE

PROJECT TITLE
KROGER STORE
SW572

FM 407 & McMakin Road
Bartonville, TX 76226

COMMISSION NO. 514040
ISSUE DATE 05/16/14
SHEET TITLE
HVAC
DETAILS

SHEET NO.
M3.2
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MARK	DESCRIPTION	AREA SERVED	MFR	MODEL	VOLTS	PHASE	CFM	STATIC	HP	FLA
EF-CG	EXHAUST FAN	CLEANING CENTER	CAPTIVE AIRE	DR10HFA	120	1	100	0.125	08	1
EF-E	EXHAUST FAN	ELEVATOR EQUIPMENT	CAPTIVE AIRE	DR12HFA	120	1	400	0.125	18	2
EF-ER	EXHAUST FAN	ELECTRICAL ROOM	CAPTIVE AIRE	DR12HFA	120	1	600	0.125	18	2
EF-D1	EXHAUST FAN	DOUBLE RACK OVEN	CAPTIVE AIRE	NCA14HFA	120	1	600	1.2	5	8
EF-G2	EXHAUST FAN	DOUBLE RACK OVEN	CAPTIVE AIRE	NCA14HFA	120	1	900	1.2	5	8
EF-H1	EXHAUST FAN	1F HOOD	CAPTIVE AIRE	NCA18FA	208	3	3150	0.349	1.5	4.7
EF-H2	EXHAUST FAN	6' HOOD	CAPTIVE AIRE	NCA10FA	208	3	1400	0.338	5	1.8
EF-H3	EXHAUST FAN	6' HOOD	CAPTIVE AIRE	NCA24HFA	208	3	1350	1	7.5	2.7
EF-H4	EXHAUST FAN	SEAFOOD HOOD	CAPTIVE AIRE	DU30HFA	120	1	600	0.25	25	4
EF-H5	EXHAUST FAN	SEAFOOD GRILLER	CAPTIVE AIRE	NCA14HFA	208	3	2000	1	7.5	2.7
EF-J	EXHAUST FAN	JEWELRY STORE	CAPTIVE AIRE	DR12HFA	120	1	600	0.125	18	2
EF-P	EXHAUST FAN	EQUIPMENT	CAPTIVE AIRE	DR12HFA	120	1	400	0.125	5	2
EF-R1	EXHAUST FAN	EMPLOYEE RESTROOMS	CAPTIVE AIRE	DR10HFA	120	1	200	0.125	08	1
EF-R2	EXHAUST FAN	CUSTOMER RESTROOM	CAPTIVE AIRE	DR12HFA	120	1	600	0.125	18	2
EF-R3	EXHAUST FAN	FAMILY RESTROOMS	CAPTIVE AIRE	DR10HFA	120	1	300	0.125	08	1
EF-R4	EXHAUST FAN	MEZZANINE RESTROOMS	CAPTIVE AIRE	DR12HFA	120	1	400	0.125	18	2
EF-S	EXHAUST FAN	OPEN SEAFOOD	CAPTIVE AIRE	DR12HFA	120	1	600	0.125	5	2

MARK	DESCRIPTION	AREA SERVED	MFR	MODEL	VOLTS	PHASE	CFM	FLA	MCA	OCF
AC-1	AIR COND. UNIT	ECR	DAIKIN	MSY-036NA	208	1	600	0.76	1	
AC-2	AIR COND. UNIT	LOSS PREVENTION	DAIKIN	MSY-036NA	208	1	600	0.76	1	
CU-1	CONDENSING UNIT	AC-1	DAIKIN	MSY-036NA	208	1	600	0.76	1	
CU-2	CONDENSING UNIT	AC-2	DAIKIN	MSY-036NA	208	1	600	0.76	1	
H-1	KITCHEN HOOD (18)	DELI PREP	CAPTIVE AIRE	8024 NDI	120	1				
H-2	KITCHEN HOOD (8)	DELI PREP	CAPTIVE AIRE	8024 NDI	120	1				
H-3	KITCHEN HOOD (8)	DELI	CAPTIVE AIRE	8024 NDI	120	1				
H-4	KITCHEN HOOD (5)	SEAFOOD PREP	CAPTIVE AIRE	8024 NDI	120	1				
H-5	KITCHEN HOOD (5)	SEAFOOD GRILLER	CAPTIVE AIRE	8024 NDI	120	1				

MARK	DESCRIPTION	AREA SERVED	MFR	MODEL	VOLTS	PHASE	CFM	FLA	MCA	OCF
AC-1	AIR COND. UNIT	ECR	DAIKIN	MSY-036NA	208	1	600	0.76	1	
AC-2	AIR COND. UNIT	LOSS PREVENTION	DAIKIN	MSY-036NA	208	1	600	0.76	1	
CU-1	CONDENSING UNIT	AC-1	DAIKIN	MSY-036NA	208	1	600	0.76	1	
CU-2	CONDENSING UNIT	AC-2	DAIKIN	MSY-036NA	208	1	600	0.76	1	
H-1	KITCHEN HOOD (18)	DELI PREP	CAPTIVE AIRE	8024 NDI	120	1				
H-2	KITCHEN HOOD (8)	DELI PREP	CAPTIVE AIRE	8024 NDI	120	1				
H-3	KITCHEN HOOD (8)	DELI	CAPTIVE AIRE	8024 NDI	120	1				
H-4	KITCHEN HOOD (5)	SEAFOOD PREP	CAPTIVE AIRE	8024 NDI	120	1				
H-5	KITCHEN HOOD (5)	SEAFOOD GRILLER	CAPTIVE AIRE	8024 NDI	120	1				

MARK	DESCRIPTION	AREA SERVED	MFR	MODEL	VOLTS	PHASE	CFM	FLA	MCA	OCF
AC-1	AIR COND. UNIT	ECR	DAIKIN	MSY-036NA	208	1	600	0.76	1	
AC-2	AIR COND. UNIT	LOSS PREVENTION	DAIKIN	MSY-036NA	208	1	600	0.76	1	
CU-1	CONDENSING UNIT	AC-1	DAIKIN	MSY-036NA	208	1	600	0.76	1	
CU-2	CONDENSING UNIT	AC-2	DAIKIN	MSY-036NA	208	1	600	0.76	1	
H-1	KITCHEN HOOD (18)	DELI PREP	CAPTIVE AIRE	8024 NDI	120	1				
H-2	KITCHEN HOOD (8)	DELI PREP	CAPTIVE AIRE	8024 NDI	120	1				
H-3	KITCHEN HOOD (8)	DELI	CAPTIVE AIRE	8024 NDI	120	1				
H-4	KITCHEN HOOD (5)	SEAFOOD PREP	CAPTIVE AIRE	8024 NDI	120	1				
H-5	KITCHEN HOOD (5)	SEAFOOD GRILLER	CAPTIVE AIRE	8024 NDI	120	1				

MARK	TYPE	PROX	CURB ASES MODEL# (CONTRACTOR SUPPLIED)
AC-1	AIR COND. UNIT	K-0013085	N/A
AC-2	AIR COND. UNIT	K-0017247	N/A
CU-1	CONDENSING UNIT	K-0013054	42480
CU-2	CONDENSING UNIT	K-0017248	42480
EF-CG	EXHAUST FAN	K-0022388	42480
EF-E	EXHAUST FAN	K-0022387	42480
EF-ER	EXHAUST FAN	K-0022386	42413
EF-G1	EXHAUST FAN	K-0022387	42413
EF-G2	EXHAUST FAN	K-0022387	42413
EF-H1	EXHAUST FAN	COORDINATE WITH CAPTIVE AIRE	
EF-H2	EXHAUST FAN	COORDINATE WITH CAPTIVE AIRE	
EF-H3	EXHAUST FAN	COORDINATE WITH CAPTIVE AIRE	42480
EF-H4	EXHAUST FAN	COORDINATE WITH CAPTIVE AIRE	42480
EF-H5	EXHAUST FAN	COORDINATE WITH CAPTIVE AIRE	42480
EF-J	EXHAUST FAN	K-0022387	42480
EF-P	EXHAUST FAN	K-0022387	42480
EF-R1	EXHAUST FAN	K-0022388	42413
EF-R2	EXHAUST FAN	K-0022387	42480
EF-R3	EXHAUST FAN	K-0022387	42480
EF-R4	EXHAUST FAN	K-0022387	42480
EF-S	EXHAUST FAN	K-0022388	42413
H-1	KITCHEN HOOD	K-0022321	42414
H-2	KITCHEN HOOD	K-0022321	42412
H-3	KITCHEN HOOD	K-0017436	N/A
H-4	KITCHEN HOOD	COORDINATE WITH CAPTIVE AIRE	N/A
H-5	KITCHEN HOOD	K-0022347	N/A
RTU-1	ROOFTOP UNIT	N/A	42475
RTU-2	ROOFTOP UNIT	N/A	42472
RTU-3	ROOFTOP UNIT	N/A	42472
RTU-4	ROOFTOP UNIT	N/A	42472
RTU-5	ROOFTOP UNIT	N/A	42472
RTU-6	ROOFTOP UNIT	N/A	42472
RTU-7	ROOFTOP UNIT	N/A	42472
RTU-8	ROOFTOP UNIT	N/A	42472
RTU-9	ROOFTOP UNIT	N/A	42472
RTU-10	ROOFTOP UNIT	N/A	42472
RTU-11	ROOFTOP UNIT	N/A	42472
RTU-12	ROOFTOP UNIT	N/A	42472
RTU-13	ROOFTOP UNIT	N/A	42475
RTU-14	ROOFTOP UNIT	N/A	42472
RTU-15	ROOFTOP UNIT	N/A	42472
RTU-16	ROOFTOP UNIT	N/A	42480
RTU-17	ROOFTOP UNIT	N/A	42475
RTU-18	ROOFTOP UNIT	N/A	42472
RTU-19	ROOFTOP UNIT	N/A	42472
RTU-20	ROOFTOP UNIT	N/A	42472
RTU-21	ROOFTOP UNIT	N/A	42472
RTU-22	ROOFTOP UNIT	N/A	42475

MARK	DESCRIPTION	AREA SERVED	MFR	MODEL	VOLTS	PHASE	CFM	STATIC	HP	FLA
RTU-1	ROOFTOP UNIT	SALES	AAON	RN-030	480	3	10000	1	1680	322
RTU-2	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-3	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-4	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-5	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-6	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-7	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-8	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-9	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-10	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-11	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-12	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-13	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-14	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-15	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-16	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-17	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-18	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-19	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-20	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-21	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-22	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-23	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-24	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-25	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-26	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-27	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-28	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-29	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153
RTU-30	ROOFTOP UNIT	SALES	AAON	RN-015	480	3	5000	0.5	850	153

HVAC VENTILATION SCHEDULE												
ROOM/UNIT	ROOM/NAME	SYS	ZONE	AREA	CLNGHT	AIR CHGS	CA CHGS	PEOPLE DES	PEOPLE RED	CA PER	CA SGT	REQ
1001H1	VESTIBULE H1ART 1	17	20	2100	0	0	0	0	0	0	0	0
106	RESTROOM ALOVERHALL'N	20	20	110	0	0	0	0	0	0	0.06	87
107	CUSTOMER MEN	20	20	261	0	0	0	0	0	0	0	87
108	CUSTOMER WOMEN	20	20	163	0	0	0	0	0	0	0	87
109	SEATING	20	1024	0	0	0	45	45	7.5	0.06	242	183
110	VESTIBULE 3	20	65	0	0	0	0	0	0	0	0	180
113-114	DELI SERVICE/DELI PREP	21	2210	0	0	0	18	18	7.5	0.06	183	183
118	ORDERING OFFICE	21	51	0	0	1	1	5	0.06	17	0	87
120	HALL 'C	21	567	0	0	0	0	0	0	0.06	200	183
123	BAKERY PREP	21	1348	0	0	0	11	11	7.5	0.06	183	183
130	BACKROOM	22	7370	0	0	0	0	0	0	0.12	384	183
131	EMPLOYEE WOMEN	22	51	0	0	0	0	0	0	0	0	0
132	EMPLOYEE MEN	22	51	0	0	0	0	0	0	0	0	0
134	DOCK	22	4611	0	0	0	0	0	0.12	384	183	183
147	RX WAITING	13	854	0	13	0	20	13	5	0.06	579	183
148	PHARMACY	13	947	0	0	0	9	9	5	0.18	144	183
149	RX STORAGE	13	113	0	0	0	0	0	5	0.12	95	183
150	RX COUNSEL	13	122	0	0	0	1	1	5	0.06	142	183
151	TRAGE	13	116	0	0	0	1	1	5	0.06	95	183
152	FUTURE CLINIC	14	528	0	0	0	6	6	5	0.06	457	183
153	CLINIC RESTROOM	14	79	0	0	0	0	0	0	0	0	0
155	HALL 'D	13	113	0	0	0	1	1	5	0.06	95	183
156	LOSS PREVENTION	14	121	0	0	0	0	1	5	0.06	86	183
157	FAMILY 1	14	74	0	0	0	0	0	0	0	0	0
158	FAMILY 2	14	74	0	0	0	0	0	0	0	0	0
160	JEWELRY	15	1381	0	0	0	20	20	7.5	0.12	191	183
161/162	RESTROOM 2/CART	16	918	0	0	0	0	0	0	0	0	0
163A	SALES	1	12552	0	0	0	102	102	7.5	0.06	884	183
163B	SALES	2	6500	0	0	0	52	52	7.5	0.06	477	183
163C	SALES	3	6500	0	0	0	52	52	7.5	0.06	477	183
163D	SALES	4	6500	0	0	0	52	52	7.5	0.06	477	183
163E	SALES	5	6500	0	0	0	52	52	7.5	0.06	477	183
163F	SALES	6	6500	0	0	0	52	52	7.5	0.06	477	183
163G	SALES	7	6500	0	0	0	52	52	7.5	0.06	477	183
163H	SALES	8	6500	0	0	0	52	52	7.5	0.06	477	183
163J	SALES	9	6500	0	0	0	52	52	7.5	0.06	477	183
163K	SALES	10	6500	0	0	0	52	52	7.5	0.06	477	183
163L	SALES	11	6500	0	0	0	52	52	7.5	0.06	477	183
163M	SALES	12	6500	0	0	0	52	52	7.5	0.06	477	183
166	ACCT	16	107	0	0	0	0	0	5	0.06	17	183
200	OPEN OFFICE	18	921	0	0	0	11	11	5	0.06	119	183
201	MANAGER	18	154	0	0	0	1	1	5	0.06	110	183
203	KTV CONFERENCE ROOM	18	386	0	0	0	28	28	5	0.06	110	183
204	CRT	18	255	0	0	0	4	4	5	0.06	400	183
205	HR OFFICE	18	88	0	0	0	1	1	5	0.06	100	183
206	EMPLOYEE SECURE STORAGE	19	500	0	0	0	0	0	0.12	283	183	183
208	HALL 'E'	19	19	0	0	0	0	0	0.06	19	0	183
209	MEZZANINE MEN	19	154	0	0	0	0	0	0	0	0	87
210	MEZZANINE WOMEN	19	159	0	0	0	0	0	0	0	0	87
211	BREAK ROOM	19	687	0	0	0	22	22	5	0.06	119	183