7$%/(2) &217(176

8 V H U 6 W D P S
0 L U U R U
3 D W W H U Q V
5 H F W D Q J X O D U 3 D W W H U Q
& L U F X O D U 3 D W W H U Q
8 V H U 3 D W W H U Q
7 U D Q V I R U P D W L R Q V
7 U D Q V O D W L R Q
5 R W D W L R Q
6 \ P P H W U \
$ [L V W R $ [L V
5 H F R J Q L] H
& K H F N 2 Y H U O D S S L Q J
6 D Y L Q J D V D ';)

+ \ G U R I R U P H G 6 K H H W 0 H W D O 3 D U W V
: H E
6 X U I D F L F) O D Q J H
- R J J O H
7 Z L Q - R J J O H
6 X S S R U W V 5 H G H I L Q L W L R Q & R U Q H U 5 H O L H I
6 X U I D F L F) O D Q J H 8 II
F L F) O D Q J H 8 L H , G € K % 0 L Q O D W Q
bGP $[% P 0 p

,QWURGXFWLRQ

&$7,$ '(;3(5,(1&(6KHHW 0HWDO 'HVLJQ

8SRQ FRPSOHWLRQ RI WKLV FRXUVH \RX ZLOO EH DEOH WR XVH WKH 6KHHW 0HWDO 'HVLJQ ZRUNEHQFK WR FUHDWH SDUWV DQG IROORZLQJ WRSLFV

'HILQLQJ VKHHW PHWDO SDUDPHWHUV

&UHDWLQJ VKHHW PHWDO SDUWV

3HUIRUPLQJ RSHUDWLRQV RQ VKHHW PHWDO SDU

0RGLI\LQJ VKHHW PHWDO SDUWV

:RUNLQJ RQ VKHHW PHWDO SDUWV DQG XQIR

5HFRJQL]LQJ QRUPDO SDUWV DV VKHHW PHWDO

6KHHW 0HWDO

0RVW SDUWV FDQ EH FUHDWHG E\ XVLQJ WKH 3DUW WRROEDU
+RZHYHU WKHUH DUH WLPHV ZKHQ WKH WKLFNHVV
ZRUNEHQFKHV DOORZ \RX WR FUHDWH VKHHW
WKHP HDVLHU WR ZRUN ZLWK 0DQ\ WLPHV
7KHUH DUH D IHZ SRLQWHUV WKDW VKRXOG
RSWLRQV DSSHDU LQ PRUH WKDQ RQH
7KLV FRXUVH ZLOO GLVFXVV DOO
+\GUR IRUPHG ZRUNEHQFKV

:DOO RQ (GJH

7KLV RSWLRQ FUHDWHV D ZDOO RQ DQ H[LVWLQJ HGJH

Automatic 'HILQHV WKH SURILOH IRU WKH ZDOO EDVHG

Edges 6SHFLILHV WKH HGJHV WKH ZDOO ZLOO EH

5HYHUVHV WKH GLUHFWLRQ WKH ZDOO

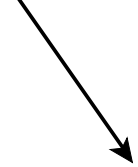
6ZLWFKHV WKH GLUHFWLRQ WKH PDWHU
DGGHG LQ

Height 'HILQHV LI WKH ZDOO ZLOO EH OLPLWHG E\
SODQH VXUIDFH VHOHFWHG ZLWKLQ WKH
LW LV PHDVXUHG ,I

Profile 6 S H F L I L H V W K H G V N R W F K W S U H I L X H R I W K

Angle 6 S H F L I L H V W K H D Q J O H R U U R W D W L R Q R I

6 S H F Automatic D Q G V H O H F W W K H H G J H W L S R Z H Q H G H J H V Z F D Q E H G H V L U H G



6 H W Type K W R Offset 7 K H K H L J K W Z L O O E H P H D V X U H G I U R P W K W K D W W K H V H O H F W H G H G J H E H O R Q J V W R

6HWHeight RI 7KH KHLJKW RI WKH ZDOO RQ WKH RULJLQDO ZDOO

7XUQ RII With Bend RSWLRQ DPHQGV 7KH ZDOO VKRXOG DSSHDU DV 'HSHQGLQJ RQ KRZ WKH RULJLQDO WKH ZDOO H[WUHPLWLHV FRXOG EH VZLWFKHG

.H\ LQ RSWLRQ Right Offset LQ Limiting Geometry VHFWLRQ OHIW OLPLW RI QHZ ZDOO ZLOO VWRS LQFKHV Note: Edit Offset direction may be RI WKH opposite depending on how you created the sketch for the initial wall.

6 H O H F W 7 K H Z D O O V K R X O G D S S H D U D V V K R Z Q

& K D Q J H W K H Clearance Mode W R Bi-Directional D Q G P R Y H N Feature Definition Warning Z L Q G R Z D S S H D U V

6HOHFWDQG PreviewDJDLQKH ZDOO VKRXOG DSSHDU DV VKRZQ LQFKHV IURP WKH HGJHDefaultRadiusRQKDQJZDOWKHFLILHG LQ Metal Parameter.1

&KDQJHWKH WR DQGPreviewOTHHW ZDOO VKRXOG DSSHDU DV

7XUQWRQ Bend DQG Preview N 7KH ZDOO VKRXOG ORRN OLNH WKH
GHILQHG E\ WKH VKHHW PHWDO SDUDPHWHUV

6HOHFW WKH 3RVLWLRQ RQ Preview OLFN 7KH ZDOO VKRXOG DSS
VKRZQ

6 H O H F5WM YWHKUHV H 3 RLVFLRVQL RQ D L QKD Q G F7KLH NZ D O O L V F U H D W H G

6 D Y H D Q G F O R V H W K H G R F X P H Q W

&RUQHU 5HOLHI

7KLV RSWLRQ FUHDWHV FRUQHU UHOLHIV ZKHUH WZR EHQG

2SHQ 6WHS &RUQHU 5HOLHI 7KH SDUW FRQVLVWV RI WKUHH ZEHQGV EHWZHHQ WKH ERWWRP ZDOO DQG VLGH ZDOOV

6LQFH QR FRUQHU UHOLHI KDV EHHQ GHILQHG WKH &RUQHU 7RROEDU LV XQDYDLODEOH FUHDWLQJ WKH WZR EHQGV 7KH UHVXOW LV XQGHVLUDEO

CATIA Sheet Metal Design

6HOHFW WKH WZR EHQG IDFHV VKRZQ WKHQ RZHOLHG WK

6HWRWKHW DQGF7KLFNFRUQHU UHOLHI LV FUHDWHG

6HOHFWWKH3URILOH8QLRQ 7KH SDUW LV XQIROGHG

6KRSSketch.2IURP WKH VSHFLILFDWLRQ WUHHDF H WKH FLUFX
D VTXDUH SURILOH

'RXEOH Corner ReliefLQ WKH VSHFLILFDWLRQ WUHH Double Corner ReliefZLQGRZ DSSHDUV

6HOHFW7KH Corner ReliefZLQGRZ DSSHDUV

6HOHFW8WKH3URILOH

&OLFN ProfileWKH OG DQG Sketch.2RURVH WKH VSHFLILFDWLRQ WUH

6HOHFW WKH FRUQHU UHOLHI LV FUHDWHG RQ Sketch.2, WDLWKXHVUL QJ WKH WKDQ D FLUFOH

+LGH Sketch.2 WKHQ VHOHFW WKH FRUQHU RI WKH SDUW 7KH SDUW LV XQIROGHG DJ

6HOHFW WKH 8QIROG DJDLQ 7KH SDUW LV IROGHG

<RX ZLOO XVH WKLV PRGHO IRU WKH QH[W H[HUFLVH

&RUQHU

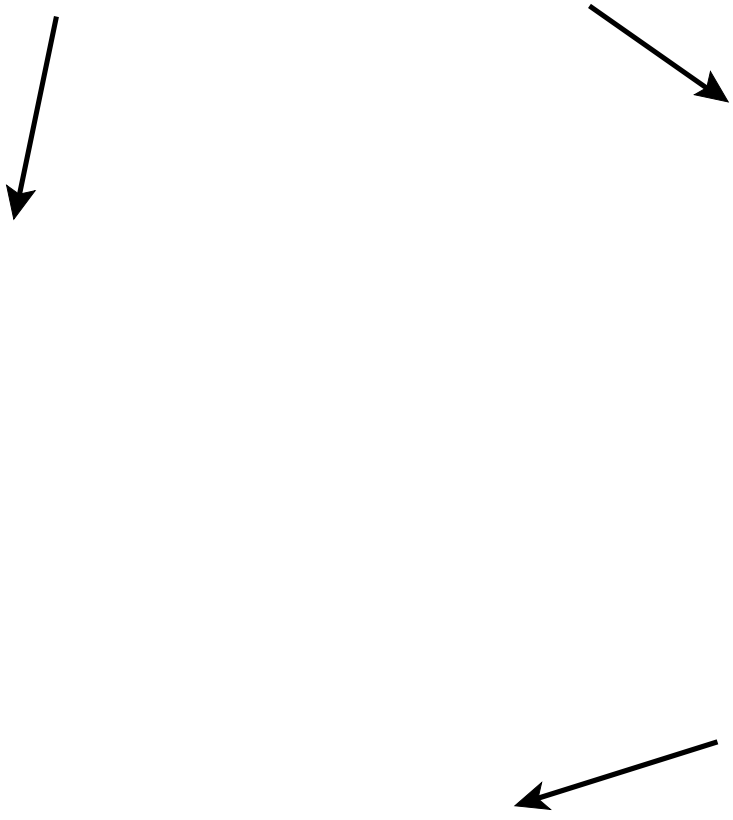
7KH &RUQHU WRRO LV PXFK OLNH WKH ,QWHUVHFW FRUQHU WRRO LQ WKDW LW FUHDWHV D VPRRWK WUDQVLWLRQ EHWZHHQ WZR HGJHV

6HOHFW&RUQHU RQ 7KUHH ZLQGRZ SSHDUV

Edges 6SHFLILHV WKH HGJHV WKDW DUH WR

Radius 6SHFLILHV WKH VL]H RI WKH FRUQHU

6HOHFW WKH HGJHV VKRZQ EHORZ



6 H WR Rdwiks HW R D QKG F7 0KLHF N R G H O D S S H D U V D V V K R Z Q

'H O HCtwher.1 I U R P W K H V S H F L K LF X D WL R Q xVUHHW K H V D P H P R G H O I

+\GUR IRUPHG 5HYLHZ ([HUFLVH

7KLV H[HUFLVH ZLOO UHYLHZ WKH HWWDKOH+HGUHRMRUPLHGRQV
ZRUNEHQFK <RX ZLOO XVH WKHP D'HRQJQZLWRKRVWRPHR*EX
SDUW EHORZ

2SHQ WKH +\GUR IRUPHG5HYLHZ GRFXPHQWV KRXOG DSSHDU DV V
ZLOO XVH WKH H[LVWLQJ ZLUHIUDPH JHRPHWU\ WR FRPS

6HOHFWKHWKH 0HWDO 3DUDPHWHUVZLQGRZ DSSHDUV

6HWTWickness WR DQGradius WR WKHQ VHOHFW

6HOHFW:EWLRQ 7Web ZLQGRZ DSSHDUV

6HOHFxyplaneWKH RP WKH VSHFLILFDWSupportRUHWKHEILQH W
ZLOO VHOHFW PXOWLSOH ZLUHIUDPH HOHPHQWV WR GHI

6 H O H F W L R Q H K H

6 H O H F W 6 Z H S W K S U R Q 7 K H Swept Surface Definition Z L Q G R Z D S S H D U V

6 H W P R G H W R Length type W R L Q G L F D W H W K H Length type with draft direction 7 K L V V X U I D F H Z L O O E H D W D G H J U H H D Q J O H W R W K H Z H E

6 H O H F W 1 I R U Guide curve 1 D Q G W K H [\ S O D Draft Direction R U W K H

6 H W W K H Length 1 W R Length 2 W R W K H 7 K L V V X U I D F H V K R X O G D S S H D U D V V K R Z Q

7 K H V H W Z R V X U I D F H V Z L O O D F W D V J W K H V X S S R U W V I R U W K

0 D N H S D U W H U W K H L Q Z R U N R E M H F W

6 Z L W F K W R W K H 6 K H H W 0 H W D O + \ G U R I R U P L Q J L Z R U N E H Q F K D L F R Q 7 K L F Flange Z L Q G R Z D S S H D U V

6 H O H F W W K H Base Feature U W K H

6 Z L W F K E D F N W R W K G U R K H R U W H O Z D O N E H Part Body Q W K H D N H W K H
L Q Z R U N R E M H F W

6 H O H F W W K H Surface Flange Z L Q G R Z D S S H D U V

6 H O H F W W K H Base Feature Q W K H V S O L W V X U I D F H Q W K H U L J K
Geometry 1 R Z R Q O \ W K H H G J H W K D W L Q W K H V H F W V W K H Q H Z

(Q V X U H W K H G L U H F W L R Q D U U R Z V D U H R S X R Z L Q W K H Q Z D U G J H
E H F U H D W H G R Q H W K H U X G V G H X E I D F H G Q G R P [W K H Z H E S Z

([S D Q G Edge of Part V H F W L R Q D Q G W U L P W R ‡ W K H @ G

6 H O H F W W K H) L O O R Q J D L Q W K H V K H H W Z R U N E H Q F K Z H E I R U

6HOHFW7KH IODQJH VKRXOG DSSHDU DV QHZ [RZQ 7KH MRJJOH

6HOHFW WKH Support EDQH 3KRU Jogle Plane 7KH SUHYLHZ VKRXOG DSSHDU DV VKRZQ

&KDQJH Position WR Start WKHQ Depth WR WKH DQG Start Radius WKH DQG End Radius WR

(QVXUH WKH GLUHFWLRQ DUURZV PDWFK WKH LPDJH DERYH

6HOHFW WKH Update Diagnosis ZLQGRZ DSSHDUV

7KH MRJJOHG Surface DFXWRXW IDLO 7KLV LV WKH IODQJH WKDW
DQJOHG VZHSW VXUIDFH

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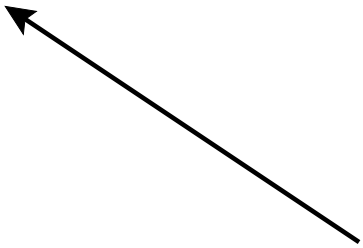

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VXUIDFH <RX ZLOO QHHG WR PRGLI WKH VZHHS
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6ZLWFK WR WKH *HQHUDWLYH 6KDSH 'HVLJQ ZRUNEHQFK

<RX ZLOO RIIVHW WKH VKDUS HGJH DORQJ WKH
ZHE GHILQLWLRQ 7KLV ZLOO H[WHQG WKH VZHHS
MRJJOH

6 H O H F W W K H 3 D U D O O H O 1 F R X U Y H 7 K U H H Parallel Z L Q G R Z D S S H D U V

6 H O H F W W K H Sketch 1 W R G H I L Q H W K H R S H U D W L R Q

(Q V X U H W K H G L U H F W L R Q L V S R L Q W H G W R Z D U R P D U G K H Z H E F O L Q H 7 K H F X U Y H V K R X O G D S S H D U D V V K R Z Q

+ L G Geometrical Set.1 7 K H S D U W V K R X O G D S S H D U D V V K R Z Q

6 D Y H D Q G F O R V H W K H G R F X P H Q W