

MHPro New Job Order Process



Start new job using the “Job” screen



Job - C:\Users\jdetore\Documents\MHPro\MHPro.V7.0.70.mdb

Jobs Reference ←

Loaded?	Job Name	Contractor Name	Structure Count	Stacked	Released
	Cane Bay YMCA Ph-1	Landmark Constru	3	3	0
▶ Loaded	Limehouse Ph 1C		26	24	0
	Royal Live Oaks HS		6	5	0

Unload Job New Job Delete Job

Functions

- Start New Job
- Load and unload jobs
- Click “Loaded?” to show all jobs currently loaded
- Click “Job Name” to organize by job name
- Click “Contractor Name” to organize by contractor
- Also, View Structure Count, Stacked, Released structures

****NEVER USE /START NEW JOB WITHIN
THE REFERENCE TAB****

Starting New Job



1. With the Jobs tab selected, Click “New Job”



Loaded?	Job Name	Contractor Name	Structure Count	Stacked	Released
	Cane Bay YMCA Ph-1	Landmark Constr	3	3	0
▶ Loaded	Limehouse Ph 1C		26	24	0
	Royal Live Oaks HS		6	5	0

Starting New Job



1. Enter all required job info from  “Job Data” screen

Job Data Tab

- Job Name
- Number
- Location

Contractor Tab

- Find in contact or Add New
- Select “Use” next to name, click “Apply”

Quote Tab

- Add Quote Date & Date on plans
- Click “Apply”

Job Data - Job: _NewJob 2017-06-06 14:11:51

Job Data Contractor Details Quote

Job Data

Job Name

Number

Location

Agency

Engineer

Contractor Data

Name

Contact

Address

City, State Zip

Phone

Fax

Email

Number

Status

Apply Reset

Job Data - Job: _NewJob 2017-06-06 14:11:51

Job Data Contractor Details Quote

Name

Contact

Address

City, State Zip

Phone

Fax

Email

Number

Use

Use?	Name	Contact	Address	City, State Zip	Phone	Email	Fax	Number
<input checked="" type="checkbox"/>	Use							
<input type="checkbox"/>	Jerry Smith				803-781			
<input type="checkbox"/>	Action Sen	Patrick Bro				actiont		
<input type="checkbox"/>	Allied Utiliti	Jimmy Bur			912-53	alliedud		
<input type="checkbox"/>	Allston Far	Matt Farrel						
<input type="checkbox"/>	Alpha Con	Barrie Hall	556 Tar	Ridgela	843-62			
<input type="checkbox"/>	Anson Cor							
<input type="checkbox"/>	B&C Utiliti	Charles			843-20			
<input type="checkbox"/>	Barnett Sol	Matt Durde						
<input type="checkbox"/>	Bishop & S							
<input type="checkbox"/>	Blythe Dev	Shane Gorr						
<input type="checkbox"/>	Blythe Dev							
<input type="checkbox"/>	Chandler C	Matt Bares			843-76			

Edit Add Delete

Apply Reset

Job Data - Job: _NewJob 2017-06-06 14:11:51

Job Data Contractor Details Quote

Quotation

Price List

Discount

Tax Rate

Freight Surcharge

Quote Number

Quote Date

Bid Closing Date

Estimator jdetore

Sales Rep.

Quotation Terms

B *i* U **S** **B** Color Font

NOTE!

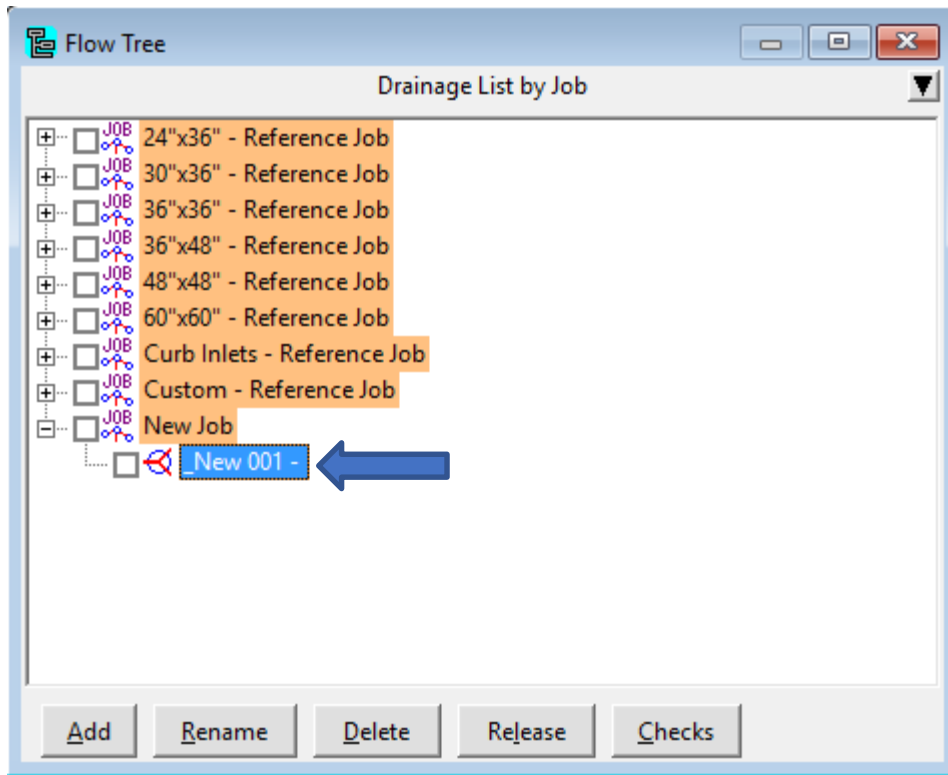
Quotation based on current known specifications and requirements and is valid for 30 days from above bid date. Contra Precast reserves the right to change, modify or withdraw this quotation if specifications or requirements are changed or altered. No engineering calculations included unless specified on quote. Contractor is responsible for supplying the most updated set of plans to Contra Precast. Any structures made as a result of not having the most up to date plans will be the Contractor's responsibility.

Apply Reset

SETTING UP STRUCTURES IN THE FLOW TREE



1. Set up all structures using the “Flow Tree” screen



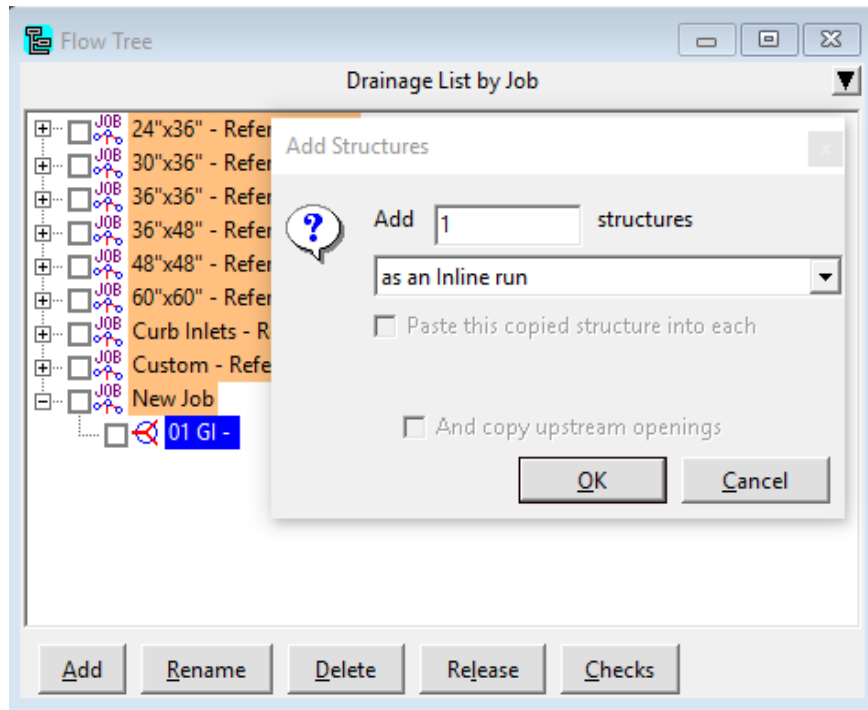
1. Double click on the first new structure and name it; structure number first then structure type.

Example - **01 GI, 02 JB, 03 CI, 04 OCS**

SETTING UP STRUCTURES IN THE FLOW TREE



2. Using the plans, right click on structure add and the required structure or structures.



Available options

1. **Add structure Upstream** – single structure upstream
2. **Add Independent Structure** – separate structure not above or below current structure
3. **Add Multiple Structures** – multiple structures inline/upstream from current structure. Enter the number of structures to wish to add in the “**Add**” field provided
4. **Add Down Stream** – add only one structure downstream
5. Click **OK** to add

Repeat this process for structures along the inline run that has more than one inlet. Right click on the structure and add the required structure or structures.

DESIGNING STRUCTURES



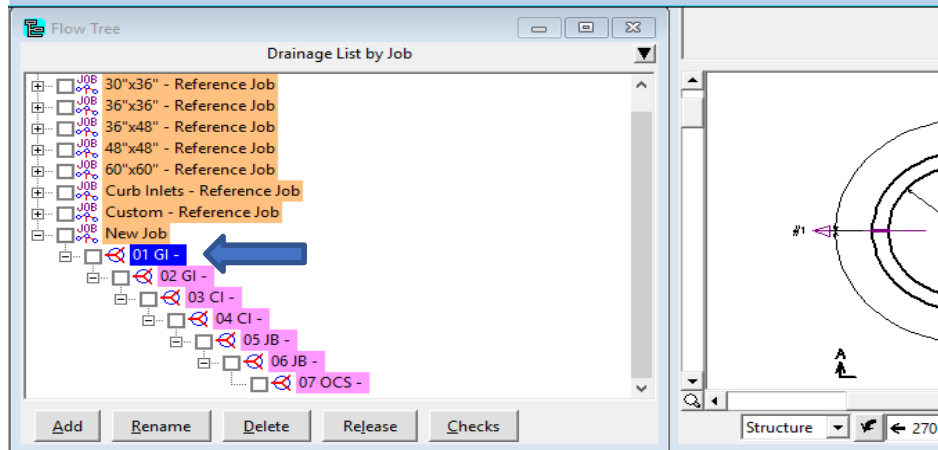
1. Determine the type of structure required.



Structure Name: 01 GI Number: 002
Structure Option: Structure
Current Ref. Job: None selected
Current Ref. Structure: None selected
Ref. Structure (highlighted with blue arrow)
Top of Casting: [Field]
Frame/Ring Name: [Field]
Grate/Cover Name: [Field]
Opening ID: Go #1 *Root* Go #2
To/From: *Root* 02 GI
Field Elevation: [Field] [Field]
Other Reference: Below Grade Above Outlet
From Reference: [Field] [Field]
Angle & Placement: [Field] [Field]
Hole Name: [Field] [Field]
Dist., Grade, & Rating: [Field] [Field]
Drop/ThruBottom: Normal Normal
Pipe Options: Options Options
New/Ignore/Delete: Outlet Opening Opening To Structure
Ecc. Angle (Steps): [Field] Steps Required?: No
Buttons: New Opening, New Structure, AutoStack, Apply, Reset

1. Once all other structures have been added in the Flow Tree, click on a structure furthest downstream on any run or any independent structure.

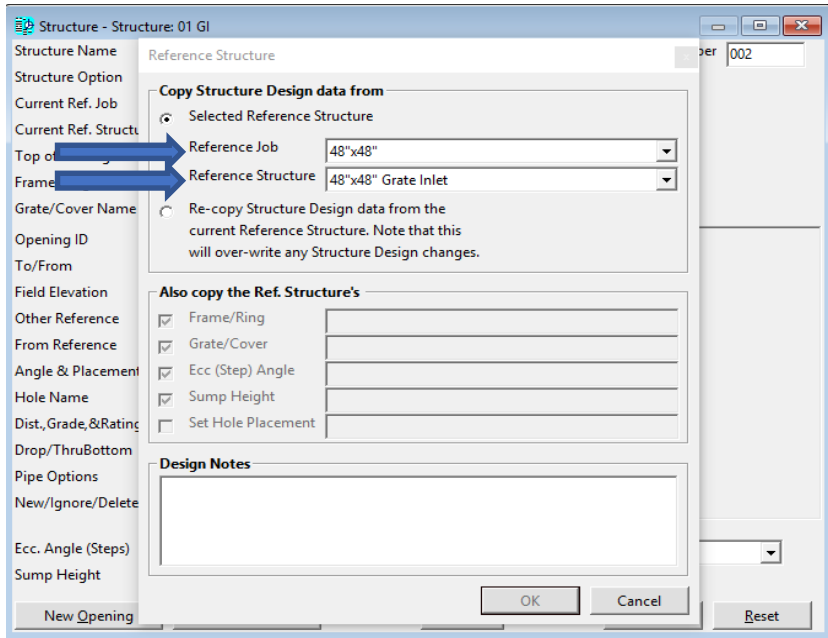
2. Once selected, using the “Structure” icon click on “Ref. Structure” to start designing.



DESIGNING STRUCTURES



2. Select the type of structure to design.

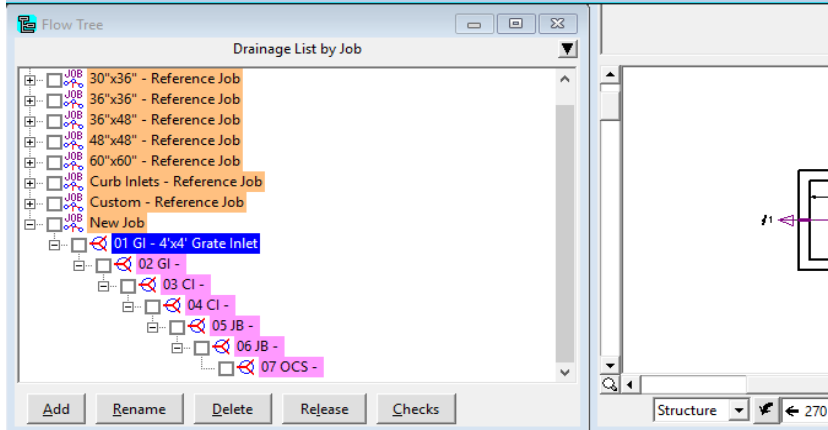


1. Click on “**Reference Job**” and select the size of the structure you want to design.

(Sizes will be listed based on available form dimensions or the type of structure you are creating. All sizes not listed will require you to select “Custom”)

2. Next, select the type of structure you are creating.
(i.e. **Grate Inlet, Curb Inlet, Junction Box, Sanitary MH**, ect.)

3. Once structure type is selected, click **OK**.



DESIGNING STRUCTURES



3. Enter all required structure information, elevations, additional openings.



1. Fields requiring standard information will be highlighted Yellow.
Any other fields requiring info can be entered at anytime.

Top of casting - "RIM"

Fame/Ring Name - Ring & Cover, Frame & Grate, Hatch, etc.

Field Elevation – Outlet and Inlets elevations provided on plans

Hole Name – Any pipe size or hole opening required

Note: The opening ID #1 will always be your **Outlet opening**.

Additional ID openings will be labeled with either the structure directly upstream or any other opening that you manually add.

2. Additional hole openings can be added by clicking on "**New Opening**"

4. Once all structure info has been entered, click "AutoStack" to stack structure



The screenshot displays a software interface for structure design. A blue arrow points to the **AutoStack** button in the bottom center of the 'Structure' data entry window. The interface is divided into several panels:

- Structure Data Entry (Top Left):** Fields for Structure Name (21), Structure Option (Structure), Current Ref. Job (36"x48"), Current Ref. Structure (36"x48" Grate Inlet), Top of Casting (13.80'), Frame/Ring Name (USF 4138-6218), Grate/Cover Name, Opening ID, To/From, Field Elevation, Other Reference, From Reference, Angle & Placement, Hole Name (24" RCP B), Dist., Grade, & Rating, Drop/ThruBottom, Pipe Options, New/Ignore/Delete, Ecc. Angle (Steps), and Sump Height.
- Elevation View (Top Center):** A technical drawing showing a cross-section of a structure. Dimensions include 16.00' TOP, 4.71' height, 11.29' PREP, and various offsets. Two openings are labeled #1 and #2.
- Flow Tree (Bottom Left):** A tree view titled 'Drainage List by Job' showing a hierarchy of structures. The 'New Job' section includes '01 GI - 4'x4' Grate Inlet', '02 GI -', '03 CI -', '04 CI -', '05 JB -', '06 JB -', and '07 OCS -'. A blue arrow points to the '01 GI - 4'x4' Grate Inlet' item.
- Structure Design (Bottom Right):** A window with 'Reference Data' (Reference Job: 48"x48", Reference Structure: 48"x48" Grate Inlet) and 'Structure Data' (Opening Size: ANY, Mid 3 Size: 48"x48", Mid 2 Size: 48"x48", Mid 1 Size: 48"x48", Bottom Size: 48"x48", Dimensions Walls: 0" x 0", Haunch: 48"x48" Base Slab 12H, Selected: 48"x48" Base Section 12Hi to 84 by 1 6F, 48"x48" Base Slab 6H).
- Notes (Bottom Center):** A window titled 'Notes - Structure: 01 GI' with a 'Reinforcement Specification' section: Top - #5 @ 8" O.C.E.W. (1.5" CL), Walls - #4 @ 12" O.C.E.W. or Equal WWR (2" CL), Base - #5 @ 12" O.C.E.W. or Equal WWR (1" CL). It also includes a 'Notes copied from the Reference Structure' section.

REVIEW EACH STRUCTURE



1. Ensure all structure elevations are correct
2. Casting required
3. Orientation of casting is correct and is offset over steps
4. Pipe sizes, underdrains, weir slots, sumps, steps, boots, skirts are added
5. Angles are accurate
6. Holes shifted out of corners where possible
7. Spacing between pipes is provided
8. Is it the most efficient stack-out??
9. Brick adjustment is provided
10. Base slab, Walls & Top slab thicknesses are accurate
11. Accurate steel specification is provided
12. All Job and County specification requirements are met

Keep in mind overall buildability of the structure

****Value Engineering is Crucial****

EDITING STRUCTURES



Editing within "Structure" screen



Structure Name: 01 GI Number: 002
Structure Option: Structure
Current Ref. Job: 48"x48" Ref. Structure
Current Ref. Structure: 48"x48" Grate Inlet
Top of Casting: 16.00' P.O.S.
Frame/Ring Name: USF 4138-6218
Grate/Cover Name:
Opening ID: #1 *Root* #2
To/From: *Root* 02 GI
Field Elevation: 12.00' 12.00'
Other Reference: Below Grade Above Outlet
From Reference: 4.00' 0"
Angle & Placement: 0 180
Hole Name: 18" RCP B 18" RCP B
Dist., Grade, & Rating: @ @
Drop/ThruBottom: Normal Normal
Pipe Options: Options Options
New/Ignore/Delete: Outlet Opening Opening To Structure
Ecc. Angle (Steps): Steps Required? After Depth
Sump Height:
Buttons: New Opening, New Structure, ReStack, Apply, Reset

IGNORE OR DELETE OPENING

ROTATE STEPS IN MH

ADD SUMP IN INCHES

ADD NEW OPENING

CHANGE HOW PIPE IS PLACED

SHIFT PIPE

DISTANCE TO SHIFT PIPE IN INCHES

MAKE DROP OPENING ON MH

TURN ON AND OFF STEPS

DO NOT CLICK RE-STACK IF CHANGES ARE MADE HERE

EDITING STRUCTURES



Editing within "Structure Design" Screen



General Tab

CHANGE SPEC. NAME

CHANGE HEIGHT TO ADD STEPS

MOVE STEPS TO OTHER WALLS

OFFSET STEPS

CHANGE BOX SIZE

CHANGE WALL THICKNESS

ADD ANY COATINGS/ ADMIXTURES

MUST CLICK APPLY TO ADD CHANGES

EDITING STRUCTURES



Editing within "Structure Design" Screen



Stacking Tab

CHANGE SPEC. NAME

Structure Design - Structure: 01 MH

Reference Data

Reference Job: Sanitary Manholes
Reference Structure: 48" Manhole
Specification: 48" Manhole
Frame/Ring Name: #USF 668-KL "SANITARY SEWER"
Grate/Cover Name: #

Structure Data

Dimensions Walls

Opening Size: 24" x 24" x 5"
Mid 3 Size: 48"
Mid 2 Size: 48"
Mid 1 Size: 48"
Bottom Size: 48" x 48" x 5"

General | **Stacking** | Base | Middle | Top | Summary

Stacking

Leave Short: []
Build Tolerance Low: 1" x 2"
Build Tolerance High: []
Retry if count <=: []
Too Tall Behavior: Adjust Leave Short
Frame Float Style: Float
Top of Casting Name: Top of Casting
Height Limit Min: []
Height Limit Max: []
Flat Top Max Height: []
Elevations Are At: Wall
Sump Height: []
Adjusting Ring Source: Job Default

Joints

Top Treatment: []
Adj. Ring Joints: Default
Wall Joints: Default
Match Reducer Key: No Match Req'd
Slab Bottom Joints: Default
Match Base Key: No Match Req'd
Joint Seal (Adj Rings): []
Joint Seal (Reduced): Butyl & Wrap
Joint Seal (Bottom): Butyl & Wrap

Channel

Channel Height: 3/4 Height
Channel Notes: []
Channel Bench Slope: []

Copy Data | Paste Data | Apply | Reset

ADD/REMOVE JOINT IN STACK OUT

ADD/REMOVE BUTYL, WRAP, PRIMER

CHANGE/ADD INVERT NOTES

MUST CLICK APPLY TO ADD CHANGES

EDITING STRUCTURES



Editing within "Structure Design" screen



Base Tab

CHANGE
SPEC. NAME

CHANGE
BASE SLAB
THICKNESS

TURN
ON/OFF
MANHOLE
INVERTS

Structure Design - Structure: 01 MH

Reference Data
Reference Job: Sanitary Manholes
Reference Structure: 48" Manhole
Specification: 48" Manhole
Frame/Ring Name: #USF 668-KL "SANITARY SEWER"
Grate/Cover Name: #

Structure Data
Dimensions Walls
Opening Size: 24" 24" 5"
Mid 3 Size: 48"
Mid 2 Size: 48"
Mid 1 Size: 48"
Bottom Size: 48" 48" 5"
Haunch

Base Tab

Base Zone
Min. Height/Retry: 30" 22"
Max. Height/Retry: 42"
Height Overrides:
Min. Base Thickness:
Add'l Thickness: 2nd Pour
Minimum 2nd Pour: 2"
Bottom Type: Precast Channel
Poured In Field From: Above Base Pipes
Poured In Field Height:
PIF Thickness From: Lowest Pipe Bottom
Holes Below Floor: Use Piece Default
Flange Ext. Radius:

Available
48" Mono Base 16HI to 48 by 1 6F
48" Mono Base 6F 48HI

Selected
48" Mono Base 24HI to 36 by 6 6F
48" Mono Base 6F 16HI

Copy Data Paste Data Apply Reset

MUST CLICK
APPLY TO
ADD
CHANGES

EDITING STRUCTURES



Editing within "Stack Editor" screen



MUST HIGHLIGHT THE PIECE TO EDIT

Section Size	Section Type	Pieces Available	Opening
36"x36"	AdjustingRing	48"x48"x6" Flat Top w/24" Hole	
36"x36"x8"w	ConeReducer	48"x48"x6" Flat Top w/ANY Hole	
36"x48"	IntegralBase	48"x48"x8" Flat Top w/24" Hole	
36"x48"x8"w	PouredInFieldB...	48"x48"x8" Flat Top w/ANY Hole	
48"x48"	PouredInRiserB...		
60"x60"	Riser		
48"x72"	SeparateBase		
72"x72"	SlabReducer		
144"x196"	SpecialTop		
Custom			

CHANGE PIECE HEIGHT

MOVE TOP OPENING

CHANGE SLAB THICKNESS

CHANGE IF PIECE IS "BY OTHERS"

REPLACE THE PIECE OR ADD ABOVE OR BELOW

PIECE SIZE

KIND OF PIECE

AVAILABLE PIECES

Apply

Reset

EDITING NOTES



Editing within "Notes" tile



USE THIS
FORMAT FOR
ALL RFI'S

USE THIS
FORMAT FOR
ALL SPECIAL
NOTES

DEFAULT
STEEL SPECS.
PLACED HERE

Notes - Structure: 01 GI

General Shipping Shop Submittal Quote Other

B *i* U ~~S~~ [Color] [Font]

-VERIFY NO UD'S REQUIRED-

-VERIFY NO SUMP REQUIRED ON GI'S-

-VERIFY ALL INNER ELEVATIONS-

-WITH REBAR TRASH RACK-

-ANY OTHER SPECIAL NOTES IN BLUE-

Notes copied from the Reference Structure

B *i* U ~~S~~ [Color] [Font]

Reinforcement Specification:

Top - #5 @ 8" O.C.E.W. (1.5" CL)

Walls - #4 @12" O.C.E.W. or Equal WWR (2" CL)

Apply Reset


Your organization will have some standard notes that you use.

Using a consistent note format will make it easier to enter and review notes.

You can copy and paste formatted text from MS Word or WordPad into the Notes.

EDITING CASTINGS



Editing within "Fab. Steel & Cast Iron" icon  Frame/Ring Library Tab

-STOP- NEVER EDIT ANY CASTINGS FROM THE FRAME/RING LIBRARY TAB

ANY CHANGES TO CASTINGS SHOULD BE MADE FROM THE CURRENT FRAME/RING TAB

CLICK NAME TO ORGANIZE

CLICK USE? TO VIEW ALL CASTINGS CURRENTLY USED IN JOB

Use?	Name	Height	Opening Size	Product	Clear Open	Model	Weig	Feature	Top Tre	Traff	Notes	Steel Type	Graphic	By Other	Frame Grap	Quote S	Quote S
<input type="checkbox"/>	USF 1258-BD		24"		24"		150		Cast In			Ring & Cove		No	USF 1259-BF		
<input type="checkbox"/>	USF 4138-6218	6.25"	24"x36"		24"x36"		490		Flat	H20		Frame & Gr	6.25"	No	USF 4138-62		
<input checked="" type="checkbox"/>	USF 678-KM "STORM"	7.4"	24"		24"							Ring & Cove		Yes	USF 678-KM		
<input type="checkbox"/>	24"x36" Non-Traffic Hatch	0"	24"x36"		24"x36"				Cast In	Pedes		Hatch	6"	No	USF APS300		
<input type="checkbox"/>	36"x48" H-20 Hatch	0"	48"x36"		48"x36"				Cast In	H20		Hatch	6"	No	USF AHS		
<input type="checkbox"/>	48"x48" Galv. Grate	0"	48"x48"		52"x52"				Flat			Frame	2.4"	No	Grate		
<input type="checkbox"/>	5151-6151 w/ Hood	3.50"	26"x26"		26"x26"				Flat	H20		Frame & Gr	3.50"	No	Angle&Fab		
<input type="checkbox"/>	EJIW 1045Z "MPW" "SANITARY SEWER" w/ CAMLOCK	7"	24"		24"				Flat			Ring & Cove	7"	No	USF 678-KM		
<input type="checkbox"/>	UFS 668-KL "S"	7.5"	24"		24"				Flat			Ring & Cove	7.5"	No	USF 678-KM		
<input type="checkbox"/>	USF 1117-BL		24"		24"				Cast In	H20		Ring & Cove	4"	No	USF 1259-BF		
<input type="checkbox"/>	USF 1119-BM		30"		30"		285		Cast In	H20		Ring & Cove	4"	No	Angle&Cov		
<input type="checkbox"/>	USF 117-BL	4"	24"		24"		285		Flat	H20		Ring & Cove	4"	No	Angle&Cov		
<input type="checkbox"/>	USF 119-BM	4"	30"		30"		285		Flat	H20		Ring & Cove	4"	No	Angle&Cov		
<input type="checkbox"/>	USF 1258-PY SCDOT		24"		24"		150		Cast In			Ring & Cove	4"	No	USF 1259-BF		
<input type="checkbox"/>	USF 1259-LU "DNW FISH"		24"		24"		150		Cast In			Ring & Cove		No	USF 1259-BF		
<input type="checkbox"/>	USF 1261-YF		22"		22"				Cast In			Ring	4"	No	Angle&Fab		
<input type="checkbox"/>	USF 1292-CN		24"		24"				Cast In			Ring & Cove	5"	No	Angle&Cov		
<input type="checkbox"/>	USF 170-E "SANITARY SEWER"	6"	24"		24"				Flat	H20		Ring & Cove		No	USF 678-KM		
<input type="checkbox"/>	USF 170-E "STORM"	6"	24"		24"				Flat	H20		Ring & Cove		No	USF 678-KM		

EDITING CASTINGS



Editing within "Fab. Steel & Cast Iron" screen



Current Frame/Ring Tab

All changes made in this tab are structure specific, meaning any changes made will only affect current structure

ADD/CHANGE WORDING

CHANGE HEIGHT

WHICH FROM BUILT-UP TO CAST-IN

CHECK BY OTHERS IF NOT FROM US

CHANGE OPENING SIZE IN TOP SLAB

CHANGE GRAPHIC (BLANK IF BY OTHERS)

EDITING PIPES



Editing within "Pipe" Screen



Pipe Library Tab

-STOP- NEVER EDIT ANY PIPES FROM THE PIPE LIBRARY TAB

ANY CHANGES TO PIPES SHOULD BE MADE FROM THE CURRENT PIPES TAB

CLICK NAME
TO
ORGANIZE

CLICK USE?
TO VIEW ALL
PIPES
CURRENTLY
USED IN JOB

Use?	Size	Hole Name	Connector Type	Material	Shape	OD	Wall	Ratin	Corrugated	Feature	Connector Model	Pipe Length
<input checked="" type="checkbox"/>	18"	18" RCP B	Mortar	RCP B Wall	Round	23"	2.5"				Mortar	8'
<input checked="" type="checkbox"/>	8"	Boot 8" PVC Sdr 26	Kor-N-Seal I Plastic Wedge	PVC Sdr 26	Round	8.625"	0.332"				S406-12AWP-EX NPC B 8	
		10" Hole	Mortar	Hole	Round						Mortar	
		12" Hole	Mortar	Hole	Round						Mortar	
		12"x12" Hole	Mortar	Hole	Box						Mortar	
		14"T Slot			Slot	Round						
		2" Hole	Mortar	Hole	Round						Mortar	
		20"T Slot			Slot	Round						
		20"Tx32"W Slot			Slot	Round						
		3" Hole	Mortar	Hole	Round						Mortar	
		4" Hole	Mortar	Hole	Round						Mortar	
		4" Slot	Mortar	Slot	Round						Mortar	
		6" Hole	Mortar	Hole	Round						Mortar	

EDITING PIPES



Editing within “Pipe” screen  **Current Pipes Tab**

All changes made in this tab are structure specific, meaning any changes made will only effect current structure

ADD/CHANGE CONNECTOR BOOT, MORTAR, SKIRT

THE PIPE YOU WISH TO CHANGE MUST BE SELECTED

CHANGE PIPE LOCATION TOP, CENTER, BOTTOM

CHANGE NAME TO MATCH CHANGES MADE

ID	Quote S	Quote S	Material	Size	Shape	Connector	Connector M	MCAI	OD	Wall	Hole Name	Hole Siz	Hole Ty	Corru	Loca
#1			PVC Sdr 26	8"	Round	Kor-N-Seal	S406-12AWP-E		8.625"	0.332"	Boot 8" PVC Sdr 26	12"	Precision		Cent
#2			PVC Sdr 26	8"	Round	Kor-N-Seal	S406-12AWP-E		8.625"	0.332"	Boot 8" PVC Sdr 26	12"	Precision		Cent

EDITING PIPES



Editing within "Pipe" screen



Current Pipes Tab

All changes made in this tab are structure specific, meaning any changes made will only effect current structure

ID	Quote	Quote S	Material	Size	Shape	Connector	Connector Model	MCAH	OD	Wall	Hole Name	Hole Size	Hole Ty	Corru	Loca
#1			RCP B Wall	18"	Round	Mortar	Mortar		23"	2.5"	18" RCP B	28"			Botti
#2			RCP B Wall	18"	Round	Mortar	Mortar		23"	2.5"	18" RCP B	28"			Botti
#3			Slot		Box	Mortar	Mortar				6"x36" Slot	6"x36"			Botti

CHANGE SHAPE OF SLOT

CHANGE SLOT SIZE

CHANGE PIPE LOCATION TOP, CENTER, BOTTOM

CHANGE NAME TO MATCH HOLE SIZE

OTHER SCREENS



Butterfly View



Shows all four views of a single structure at once

Rollout View



Unrolls structure and shows an elevation view on a single plain

Site Plan



Shows the direction of flow for all structures currently in Flow Tree

Status



Shows potential structure errors. Also lists size and weight of each piece

Auto Stacking



Provides a list of all available stack-outs for current structure (used mostly for MH's)

Link Data



Gives to the ability to match structure properties currently used within job

Reports



1. Use the “Reports” screen  to select the type of drawings required.

Use?	Report Name	TOC?	Page #s	Sort 1	Sort 2
	BOM (csv)				
	BOM by Structure				
	BOM by Structure (Excel XML)				
Use	BOM Summary				
	Flow Tree				
	Order Summary (Excel XML)				
	PieceNames				
	Quotation				
	Quote by Structure (Excel XML)				
	Shop Butterfly				
	Shop Drawing				
	Shop Drawing w/BOM				
	Shop Drawing w/Duplex Pieces				
	Shop Drawing w/Plan View				
	Shop Half Sheet				
	Shop Inverted/Installed				
Use	Shop Landscape				
	Shop Rollout demo				
	Shop Strip				
	Shop w/AA & BB elevations				
	Submittal Drawing				
	Submittal Shop				
Use	Submittal Wide				

Generate Reports For

Current Structure in Flow Tree

All Checked Structures in Flow Tree

Current Job in Flow Tree

All Structures in Flow Tree

Output Reports To

Preview in Display

Print to System Printer

Generate PDF file(s)

Problem Display

Hide Warnings

Hide Notes

Hide Not Priced

<--- Previous Next --->

Your organization will only use a few of the many reports available in MH Pro. Only use these preferred reports.

1. Only use “**Submittal Wide**” when generating submittal drawings
2. Only use “**Shop Landscape**” when generating production drawings
3. Use “**BOM Summary**” for the selected structures required

Reports



2. Once you have selected the type of drawings required, select the structures you need drawings for.



1. Select **“Current Job in Flow Tree”** if requesting all structures in the job.
2. Select **“All Checked Structures in Flow Tree”** if requesting only a portion of the job.
3. Select **“Current structure in Flow Tree”** if requesting single structure.

The default option for **“Output Reports To”** should be **“Preview in Display”**
This way you can view the drawings generated before you save.

4. Click Next--->

Use?	Report Name	TOC?	Page #s	Sort 1	Sort 2
	BOM (csv)				
	BOM by Structure				
	BOM by Structure (Excel XML)				
Use	BOM Summary				
	Flow Tree				
	Order Summary (Excel XML)				
	PieceNames				
	Quotation				
	Quote by Structure (Excel XML)				
	Shop Butterfly				
	Shop Drawing				
	Shop Drawing w/BOM				
	Shop Drawing w/Duplex Pieces				
	Shop Drawing w/Plan View				
	Shop Half Sheet				
	Shop Inverted/Installed				
Use	Shop Landscape				
	Shop Rollout demo				
	Shop Strip				
	Shop w/AA & BB elevations				
	Submittal Drawing				
	Submittal Shop				
Use	Submittal Wide				

Generate Reports For

- Current Structure in Fow Tree
- All Checked Structures in Flow Tree
- Current Job in Flow Tree
- All Structures in Flow Tree

Output Reports To

- Preview in Display
- Print to System Printer
- Generate PDF file(s)

Problem Display

- Hide Warnings
- Hide Notes
- Hide Not Priced

<--- Previous Next --->

Reports



3. Once you click Next, you will see the problems with structure or structures you have selected.



Reports

Problems with these reports.

Some of the structures on these reports have problems that may make the report invalid.

Please review the problems listed below before selecting an option for continuation.

13 GI	Warning	Downstream distance is blank on Opening #1 (24" R...
	Note	Floatation Factor 1.317 is OK.
	Not Priced	No price for ExtendedBase 60"x60" Extended Base 3" ...
		No price for StackElement 72"x72"x6" Flat Top w/24"x...
		No Price for (72"x72"x6" Flat Top w/24"x36" Hole) on ...
		No Price for (60"x60" Base Section PricePer 1H) on Pi...
		No price for StackElement 60"x60"x36" Base Section ...
No price for Frame USF 4138-6218.		
No price for Hole Hole 36" on Opening #1 (24" RCP ...		
CI 01	Error	Inlet is below structure outlet. "#@%& don't flow up...
		No Frame/Ring is specified.
	Warning	Pipe not defined on Opening #1 on Piece C (48"x48"x...
		Upstream distance is blank on Opening #2 (15" RCP ...
		Upstream distance is blank on Opening #5 (30" RCP ...
	Note	Floatation Factor 1.145 is OK.
	Not Priced	No price for ExtendedBase 48"x48" Extended Base 3" ...
No price for Step Step on Piece (48"x48"x56" Base Se...		
No Price for (60"x64"x8" Type-16 CI Flat Top w/24" H...		
No price for StackElement 60"x64"x8" Type-16 CI Flat ...		
No price for Hole Hole 24" on Opening #2 (15" RCP ...		
No price for Hole Hole Slot 14"x0" on Opening #3 (14...		
No price for Hole Hole 12" on Opening #4 (6" Perfor...		
No price for Hole Hole 40" on Opening #5 (30" RCP ...		
No price for Hole Hole 8" on Opening #6 (6" Perforat...		
CI 03	Warning	No Grate/Cover is specified.
		Downstream distance is blank on Opening #1 (24" R...
		Upstream distance is blank on Opening #3 (24" RCP ...
	Note	Upstream distance is blank on Opening #4 (24" RCP ...
	Note	Floatation Factor 1.105 is OK.

<--- Previous Next --->

These errors can be ignored as long as you have taken the time to review each structure before generating the report

1. Click Next--->

Reports



4. Wait for drawings to generate....You can not perform any other commands until all reports are generated.



MH Pro! - Limehouse Ph 1C - Submittal Wide

Print... PDF XLS RTF

FOR CONSTRUCTION

513 N. Madison Ave. Suite 101
Bay City, MI 49708

Structure: 11 GI

Job Number: Limehouse Ph 1C

Job Name: Limehouse Ph 1C

Job Location: Summerville, SC

Based on: Specification: 5'x5' Gate Inlet

Take Off By: 6/6/2017 jdetore Contractor:

Design Build Height		Block Build Height		Manufacture Date:	
Top of Casting	- 21.00'	Frame & Grate	- 0.52'	Ship Date:	
Outlet Invert	- 12.00'	Adjustment	- 0.31'	Frame & Grate:	USF 4138-6218
Design Height	- 9.00'	Concentric Slope	- 0.50'	Channel:	No Channel
		Risers	- 4.92'		
		Base Gap	- 2.75'		
		Design Height	- 9.00'		
		To Floor	- 0.25'		
		Floor Thickness	- 0.50'		
		Outside Height	- 9.75'		

ID	Invert	To / From	Pipe Size	Connector	Hole Size	Hole Rise	Angle
#1	12.00		24" RCP B	Worlar Pipe On Bottom	36.00" Ø	0.00"	0°
#2	12.00	12 GI	24" RCP B	Worlar Pipe On Bottom	36.00" Ø	0.00"	180°

Elevation (View A-A)

Plan View

BOM For Stock

ID	Description	Qty.	Weight
Fr	USF 4138-6218	1	0.2
A	72"x72"x6" Flat Top w/24"x36" Hole	1	1.2
B	60"x60"x59" Riser Section	1	4.0
C	60"x60"x36" Base Section	1	3.6
Totals (precast, tons)		3	8.8

Submittal Wide 7.0.70 Page: 1 of 22 6/8/2017

1. Once generated, take the time to review all drawings to ensure the correct report was requested and to ensure accuracy of all drawings.

2. If correct, select **PDF** or **Print** and save to the appropriate location.

**** ALWAYS REMEMBER TO UPDATE EACH STRUCTURE/ JOB STATUS BEFORE YOU GENERATE ANY REPORTS ****

MH Pro - Release Structures

Select Structures

Current Structure in Flow Tree

All Checked Structures in Flow Tree

Current Job in Flow Tree

New Release State

Editable Released

Quoted Revised Release

Submitted On Hold

Revised Submitted Cancelled

Authorization

Date: 6/8/2017

By: jdetore

Document:

Notes:

Increment Rev.#

OK Cancel