

# Scheduling Starts Here

NSM - Traditions1.nsm

File Edit View Insert Format Tools Data Window Help

Projection Report World Builders Project: Pebble Hills at The Beach - Phase 3 - 12 Units

San Marcos Division

Menu	Delete	Cost Code	Day	Tag	Activity	Rate	0089	3XRC	0088	2AR	0087	1XAR	0086	3XB	0105
							Sch	Act	Proj	Sch	Act	Proj	Sch	Act	Proj
			1	M	Stage 1 Starts Process	3	04/01	04/01		04/01	04/01		04/02	04/01	
			1	O	OCO #1 Foundation Cut-off	3	04/01	04/03		04/01			04/01	05/10	04/02
			1	O	OCO #2 Struct/Rm/Deck Cut-off	3	NA			04/01	04/01		NA	04/01	04/02
			2		CCP Preconstruction mtg w/buyer	3	04/02	04/03		04/02	04/04		04/02	04/04	04/03
			3	M	JDE START	3	04/03	04/09		04/03	04/09		04/03	04/09	04/04
			3	Q	QA #1	3	04/03	04/10		04/03	04/10		04/03	04/10	04/04
		067332	3		Water Meter	3	04/03	06/10		04/03			04/03	06/10	04/04
			3	Q	Order Blue Stake	3	04/03	06/10		04/03			04/03	06/10	04/04
		0130,05040	4	M	Stage 2 Foundation/Trench	3	04/04	04/10		04/04	04/10		04/04	04/11	04/07
		050802	5		Plumber Trench	3	04/07	04/11		04/07	04/11		04/07	04/11	04/08
		03112	6		Deliver Forms	3	04/08	04/14		04/08	04/14		04/08	04/14	04/09
		03112	7		Set Forms / Deliver Sand	3	04/09	04/16		04/09	04/16		04/09	04/16	04/10
		03112	8		Set Forms	3	NA	04/21		04/10	04/21		NA	04/21	HOLD
		050803	9		Set Plumbing	3	04/10	04/21		04/10	04/21		NA		04/23
			9	O	OCO #3 - Electrical Cut-off	3	04/10	04/21		NA			NA		NA
		053406	10	I	INSPECTION - Plmbg Soil	3	04/22	04/22		04/14	04/23		04/11	04/23	04/24
		050223	11		Grade / Form Cert	3	04/23	04/23		04/14	04/23		04/11	04/23	04/24
			12		Sand and Viscous	3									
			13		Cable and Hardware	3									
		050802	14		Double up / Utility	3									
		0330	15	Q	QA Pre-Pour	3									
			15	I	INSPECTION	3									

## Simple ... Friendly ... Reliable

- NO complex menu structure
- Friendly, easy to use interface
- View all lots on ONE page
- Reliable data structure
- Compatible with most accounting programs and other software

NSM - Traditions1.nsm

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Behind Report World Builders Project: Pebble Hills at The Beach - Phase 3 - 12 Units

San Marcos Division

Menu	Delete	Cost Code	Day	Tag	Activity	Rate	0089	0088	0087	0086	0105	0106	0107	0108	0109	0110	0111	0112
							Act	Act	Act	Act	Act	Act	Act	Act	Act	Act	Act	Act
			1	O	OCO #1 Foundation Cut-off	3	-2			-2	-2							
			2		CCP Preconstruction mtg w/buyer	3	-1	-2	-2	-1	-2	-3	-3	-4	-4	-5	-4	-5
			3	M	JDE START	3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
			3	Q	QA #1	3	-5	-5	-5	-5	-5	-5	-4	-4	-4	-5	-5	-5
		0130,05040	4	M	Stage 2 Foundation/Trench	3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
		050802	5		Plumber Trench	3	-4	-4	-4	-4	-4	-4	-4	-5	-5	-5	-4	-5
		03112	6		Deliver Forms	3	-4	-4	-4	-3	-3	-3	-3	-3	-3	-2	-3	-3
		03112	7		Set Forms / Deliver Sand	3	-5	-5	-5	-4	-5	-5	-4	-4	-4	-3	-3	

## Flexible

- Shows how to catch up lost time
- Turnkey installation
- Dynamic option cutoff reporting
- Any user can create their own custom report

## Manageable

- See carry per day costs
- Expandable to web and suppliers
- View and analyze trends

## Ask yourself this question...

If it's important for accounting to have the software of their choice to track the numbers, isn't it just as important for construction to have the **best** scheduling tool in today's market? Construction *must* have total control of the project, including quick and easy access to the appropriate to-do lists, orders, deliveries and option cutoff dates. This unifies the construction management teams to secure the best possible results.

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Option Report Pebble Hills at The Beach - Phase 3 - 12 Units

Menu	Option	Projected	Lot No.	89	88	87	86	105	106	107	108	109	110
Day	Option	Plan No.	3XRC	2AR	1XAR	3XB	3AR	2XC	1BR	3XBR	1BR	2XBR	
1	OCO #1 Foundation Cut-off	Baseline Scheduled	04/01	04/01	04/01	04/02	04/02	04/02	04/03	04/03	04/03	04/04	
		Actual	04/03			04/05	04/05						
		Projected		05/01	05/14			05/12	05/12	05/08	05/08	05/08	
1	OCO #2 Struct/Rm/Deck Cut-off	Baseline Scheduled	04/01	04/01	04/01	04/02	04/02	04/02	04/03	04/03	04/03	04/04	
		Actual											
		Projected	04/01			04/01						05/08	05/08
9	OCO #3 - Electrical Cut-off	Baseline Scheduled	04/11	04/11	04/11	04/14	04/14	04/14	04/15	04/15	04/15	04/16	
		Actual	04/10		04/10	HOLD		04/11	04/14			04/15	
		Projected	04/21		04/23			04/24					05/08
16	OCO #4 - Stairs Cut-off	Baseline Scheduled	04/22	04/22	04/22	04/23	04/23	04/23	04/24	04/24	04/24	04/28	
		Actual	04/30	04/23								04/25	04/25
		Projected	05/14	05/02	05/14		05/13	05/12	05/12	05/08	05/08	05/08	

NATIONAL  
Schedule Masters

info@TracTime.com  
www.TracTime.com

Voice—760.744.5700  
Fax —760.744.5868

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Project Name	Scheduled Start	Scheduled Finish	Actual Start	Projected First Unit Finish	Projected Last Unit Finish	Total Revisions	Revision Days Added	Revised Days Ahead or Behind	Actual Days Ahead or Behind	Percent of Project Complete	Total Units	Units Complete	Original Logic Length	Revised Logic Length	Actual Logic Length	Field Manager's Name	Last Update
Alder Creek Phase 7	12/23/2002	5/22/2003		5/15/2003	5/22/2003	0	0	0	0	0.0%	11	0	102	102	102	Tom Hill	6/5/2003
Alder Creek Phase 8	2/24/2003	7/18/2003		7/15/2003	7/18/2003	0	0	0	0	0.0%	7	0	102	102	102	Tom Hill	6/5/2003
Alder Creek Phase 9	5/23/2003	10/20/2003		10/13/2003	10/20/2003	0	0	0	0	0.0%	12	0	102	102	102	Tom Hill	6/5/2003
Allegre - Phase 1A at Renaissance	6/11/1997	10/6/1997	6/2/1997	10/30/1997	11/24/1997	0	0	-32	-32	100.0%	15	15	75	75	107	dfgdf	6/5/2003
Allegre - Phase 1B at Renaissance	8/18/1997	12/8/1997	8/21/1997	12/19/1997	12/29/1997	0	0	-11	-11	100.0%	8	8	75	75	86	dfgdf	6/5/2003
Allegre Models at Renaissance	4/21/1997	7/16/1997	4/1/1997	7/19/1997	7/19/1997	0	0	-2	-2	100.0%	4	4	60	60	62	Larry Johnson	6/5/2003
Estates at Sunset Hills - Phase 3	11/31/1997	3/5/1998	10/31/1997	3/26/1998	4/28/1998	1	0	-24	-24	99.6%	12	10	80	80	104	Tony S.	6/5/2003
Estates at Sunset Hills - Phase 4	2/23/1998	6/23/1998	2/12/1998	6/22/1998	7/23/1998	1	0	-6	-6	100.0%	13	13	80	80	86	Tony S.	6/5/2003
Estates at Sunset Hills - Phase 5 - Final										100.0%	10	10	80	80	100		6/5/2003
Estrella Vista Models-Final										100.0%	6	6	91	91	92	Kasra Kazemi	6/5/2003
Estrella Vista Phase 1										38.6%	11	7	108	107	114	John Heineken	6/5/2003
Estrella Vista Phase 2										39.2%	18	0	120	119	109	Brian Santerre	6/5/2003
Estrella Vista Phase 3										58.5%	12	0	121	119	139	Brian Santerre	6/5/2003

Efficiency Reporting							
World Builders							
San Marcos Division							
Seq No.	1	2	3	4	5	6	7
Unit No.	0089	0088	0087	0086	0105	0106	0107
Plan No.	3XRC	2AR	1XAR	3XB	3AR	2XC	1BR
Overall Efficiency	65%	16%	-22%	11%	-11%	-23%	-15%
Percent Complete	17%	10%	17%	15%	15%	14%	14%
Weekly Scheduling Productivity	3%	5%	-30%	-10%	-36%	-45%	-40%
Milestones to Date on Time or Ahead	3	1	1	1	1	1	1
Milestones to Date Behind	4	2	6	2	6	5	5

Composed for the week of: 4/14/2003

Milestone Report Variance																
Pebble Hills at The Beach - Phase 3 - 12 Units																
San Marcos																
Day	Milestone	Plan No.	89	88	87	86	105	106	107	108	109	110	111	112	113	
1	Stage 1 Starts Process	Baseline	04/01	04/01	04/01	04/02	04/02	04/02	04/03	04/03	04/03	04/04	04/04	04/04	04/07	
		Scheduled	04/01	04/01	04/01	04/01	04/01	04/01	04/01	04/01	04/01	04/01	04/01	04/01	04/01	04/01
		Actual	04/01	04/01	04/01	04/01	04/01	04/01	04/01	04/01	04/01	04/01	04/01	04/01	04/01	04/01
3	JDE START	Baseline	04/03	04/03	04/03	04/04	04/04	04/04	04/07	04/07	04/07	04/08	04/08	04/08	04/09	
		Scheduled	04/03	04/03	04/03	04/04	04/04	04/04	04/07	04/07	04/07	04/08	04/08	04/08	04/09	
		Actual	04/09	04/09	04/09	04/10	04/10	04/10	04/11	04/11	04/11	04/14	04/14	04/14	04/14	
4	Stage 2 Foundation/Tren	Baseline	04/04	04/04	04/04	04/07	04/07	04/07	04/08	04/08	04/08	04/09	04/09	04/09	04/10	
		Scheduled	04/04	04/04	04/04	04/07	04/07	04/07	04/08	04/08	04/08	04/09	04/09	04/09	04/10	
		Actual	04/10	04/10	04/10	04/11	04/11	04/11	04/15	04/15	04/15	04/16	04/16	05/03	05/03	
16	Slab Complete	Baseline	04/22	04/22	04/22	04/23	04/23	04/23	04/24	04/24	04/24	04/28	04/28	04/28	04/28	
		Scheduled	04/30	04/23		HOLD			04/25	04/25		04/25	04/25		04/28	
		Actual	05/01		05/02	05/02	05/05	05/05	05/06	05/06	05/06	05/07	05/07		05/07	
Stage 3 Rgh Grade Hold@Sla	Baseline	04/24	04/24	04/24	04/25	04/25	04/25	04/28	04/28	04/28	04/30	04/30	04/30	05/01		
	Scheduled	05/02	04/25					04/29	04/29	04/29		04/29		04/30		
	Actual	05/05		05/06	05/07	05/07	05/07	05/07	05/07	05/07	05/07	05/08	05/09			
Install Dry Utilities	Baseline	04/29	04/29	04/30	04/30	05/01	05/01	05/02	05/02	05/05	05/06	05/07	05/07	05/08		
	Scheduled	05/07	04/30	04/29							05/05	05/06	05/06	05/07		
	Actual															

Don't just collect data —  
**MANAGE IT!**

Weather and Delay Log						
World Builders						
San Marcos Division						
Project: Pebble Hills at The Beach - Phase 3 - 12 Units						
Delay Data						
Delay No.	Delay Start	Delay End	Delay Duration Days	Delay Type	Comments	Delayed Lots
1	4/5/2003	4/5/2003	1	Other	Inspector-no show Called and confirmed for tomorrow	86 105 106 107
2	5/6/2003	5/8/2003	3	Rain	Weather-rain delay	All
3	6/1/2003	6/5/2003	5	Other	Trade-material shortage Expect deliveries next week.	108 109 110 111 112 113

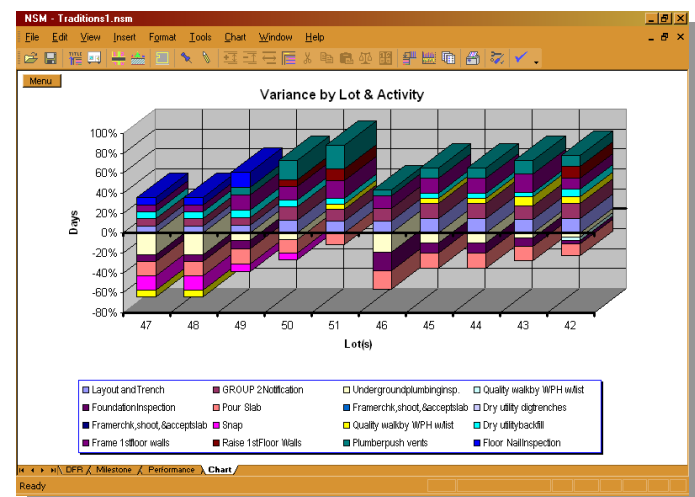
  

Analysis per Unit						
Unit No.	Scheduled Finish with Delay	Projected Finish with Delay	Sanctioned Days Δ <sup>+</sup> : Δ <sup>-</sup>	Overall Allowed Percent Delayed	Performance Delays : Total Delays : Percentage Due to Performance	Sanctioned : Total Cost of Delays per Unit
89	11/17/2003	12/15/2003	3 0	1.40%	15 : 18 : 83.3%	\$417 : \$2,085 : \$2,502
88	11/10/2003	01/02/2004	3 0	1.40%	31 : 34 : 91.2%	\$417 : \$4,309 : \$4,726
87	11/11/2003	12/15/2003	3 0	1.40%	19 : 22 : 86.4%	\$417 : \$2,641 : \$3,058

### Intuitive and Efficient

- View performance and efficiency
- Dynamic projection reporting
- Forecast bank draws, walk-thru's and closings

**OnsiteBuilder™** has dozens of reports showing variances and trends, identifying strengths and weaknesses, permitting you to react early with viable solutions versus crisis management.



# Remote Reporting

## Easy Field Reporting

With advances in technology, field personnel can now have their whole schedules in hand anywhere they go. TracTime supports a wide variety of field devices, including Pocket PCs, Handheld PCs, wireless devices, laptops and desktops. Our remote reporting methods do not require a persistent connection to the office to enter dates or view reports.

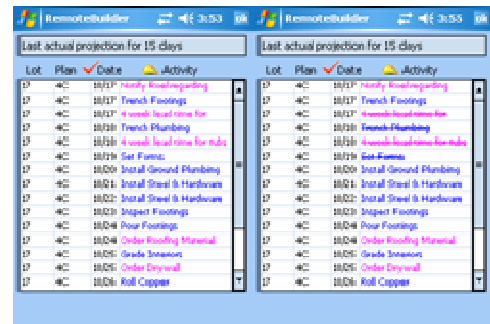


## Fast, Friendly, Easy

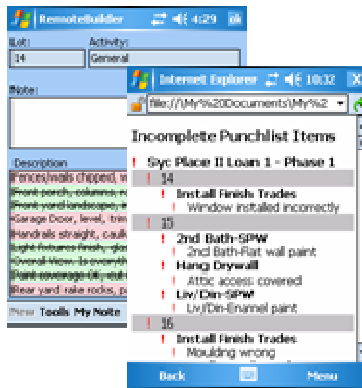
- Automated date entry
- Features are organized to maximize efficiency
- **NO** complex menu structure
- Short learning curve - ready to use when you are!

## To Do Lists:

- Easily generate 'To Do' lists for a lot or for entire projects
- Activities can be marked complete directly from the 'To Do' list.
- By tapping on the date for the activity, today's date will be entered as the actual date on the main screen
- The activity will be crossed out once the date is tapped
- Make a mistake? No problem! Tap again and the date is removed



## Users can easily view and send Punchlists...



## Options & Quality Control information...



## even notify Subcontractors the status of specific lots!



NATIONAL  
Schedule Masters

info@TracTime.com  
www.TracTime.com

Voice—760.744.5700  
Fax —760.744.5868

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File Edit View Insert Format Tools Data Window Help

Daily Field Report

World Builders  
San Marcos Division

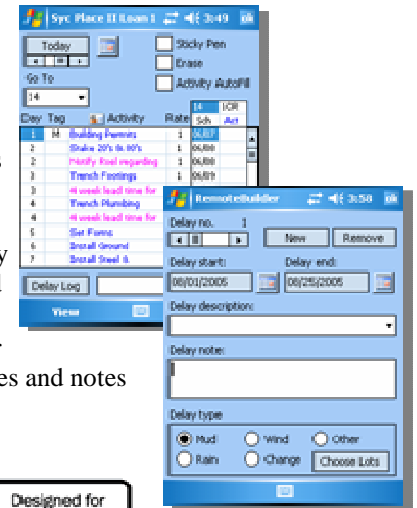
Project: Pebble Hills at The Beach - Phase 3 - 12 Units

Menu	Cast Code	Day	Tag	Activity	Rate	0089 3XRC		0088 2AR		0087 1XAR		0086 3XB		0105 3AR		0106 2XC		
						Sch	Act	Sch	Act	Sch	Act	Sch	Act	Sch	Act	Sch	Act	
	053406	10	I	INSPECTION - Plmbg Soil	3	0422	0422	0414	0423	0411	0424	0424	0414	0425	0414	0425	0	0
	050223	11		Grade / Form Curt.	3	0423	0423	0415	0423	0414	0424	0424	0415	0425	0415	0425	0	0
		12		Sand and Visqueen / pictures	3	0424	0423	0416	0423	0415	0425	0425	0416	0425	0416	0428	0	0
		13		Cable and Hardware	3	0425	0424	0417	0424	0416	0425	0425	0417	0428	0417	0429	0	0
	050802	14		Double up / Utility Sleeve / Soils	3	0428	0428	0421	0428	0417	0428	0428	0421	0429	0421	0429	0	0
	0330	15	Q	QA Pre-Pour	3	0429	0501	0422	0501	0421	0501	0501	0422	0501	0422	0502	0	0
		15	I	INSPECTION - Pre Slab	3	0429	0430	0422	0430	0421	0430	0430	0422	0501	0422	0501	0	0
	0330,05040	16	M	Slab Complete	3	0430	0501	0423	0422	0502	0502	0423	0505	0423	0505	0	0	
		16	O	LOCO #4 - Stairs Cut-off	3	0430		0423	0422		0423		0423		0423	0	0	
	03112	17		Strip and Clean	3	0501	0502	0424	0423	0502	0505	0424	0505	0424	0505	0	0	
		17		Rough Grading - Mobilization	3	0501	0502	0424	0423	0502	0505	0424	0505	0424	0505	0	0	
	0340	18	M	Stage 3 Rgh Grade/hold@Slabs	3	0502	0505	0425	0424	0506	0507	0425	0507	0425	0507	0	0	
	050223	19		Rough Grade	3	0505	0506	0428	0425	0506	0506	0428	0506	0428	0506	0	0	
	050806	20		Sewer / Utility / Water Service	3	0506	0507	0429	0428	0507	0508	0428	0508	0429	0509	0	0	
	0760	21	M	Install Dry Utilities	2	0507	0506	0430	0429	0507	0507	0501	0508	0430	0512	0	0	
	0370	22	M	Stage 4 Rough, OA - Post Slab	2	0508	0506	0501	0430	0509	0509	0502	0512	0501	0	0		
	0375,0518	23		Snap & Plate #1	2	0508	0512	0502	0501	0512	0512	0505	0513	0502	0	0		
		24		Plate and Detail 1st Floor	2	0512	0512	0505	0502	0512	0512	0506	0505	0505	0	0		
		25		Frame 1st Floor	2	0513	0513	0506	0505	0513	0507	0507	0506	0506	0	0		
		26		Frame 1st Floor	2	0514	0514	0507	0506	0514	0508	0508	0507	0507	0	0		

The red dates are the latest updates from the field

## Just Tap and Go!

- Each remote device has only the projects that the field user needs
- Simple, user-friendly access screens speed data entry
- Field users can enter their completion dates and notes for delays



## Remote Connectivity

TracTime supports multiple connection methods:

- Broadband VPN
- Dial-up
- Frame Relay
- Wireless—802.11x, GSM/GPRS, CDMA

An “always-on” connection *is not* required to report from the field. The necessary project information is reliably stored on the remote device and the information can be transmitted back to the office instantly or on demand. In addition, TracTime supports Web access, Terminal Services and Citrix®.

## System Requirements

### Laptop or Desktop

	Minimum	Recommended
<b>Processor</b>	Win 98/NT Pentium® 75MHz Win 2000 Pentium® 133MHz Win XP Pentium® 233MHz	Win 98/NT Pentium® II 350MHz Win 2000/XP Pentium® III 450MHz
<b>Memory</b>	Win 98 32MB Win NT/2000 64MB Win XP 128MB	Win 98 64MB Win NT/2000 128MB Win XP 256MB
<b>Hard Drive Available</b>	60MB	100MB
<b>Display</b>	640 x 480 VGA	1024 x 768 16 bit SVGA
<b>Pointing Device</b>	Windows compatible mouse or trackball	
<b>CD-ROM Drive</b>	4X	
<b>Connectivity</b>	Direct Dial-up, VPN over Dial-up or Broadband, Wireless (GPRS, CDMA, 802.11x)	

### Pocket PC

	Minimum	Recommended
<b>Processor</b>	206MHz	400MHz
<b>Memory</b>	16MB—8MB Storage/8MB Program	32MB - 16MB Storage/16MB Program
<b>Display</b>	240 x 320 pixels Color	240x320 pixels 64k Color Transreflective
<b>Connectivity</b>	Direct Dial-up, VPN over Dial-up or Broadband, Wireless (GPRS, CDMA, 802.11x)	
<b>Operating System</b>	Pocket PC 2000	Pocket PC 2002 Premium

### Handheld PC

	Minimum	Recommended
<b>Processor</b>	75MHz Pro	400MHz
<b>Memory</b>	8MB - 4MB Storage/4MB Program	32MB - 16MB Storage/16MB Program
<b>Display</b>	640X240 pixels 4bpp gray	640x240 pixels 8bpp color
<b>Connectivity</b>	Direct Dial-up, VPN over Dial-up or Broadband, Wireless (GPRS, CDMA, 802.11x)	
<b>Operating System</b>	Windows CE 3.01	Handheld PC 2000

# Accounting Integration

## Built to Integrate

TracTime's information collection system, OnsiteBuilder™, was written with a specific focus on integration with many accounting systems, including AS-400 based systems. Special attention was given to the information builders commonly transport from their construction schedules to their accounting systems.

## Configuration of Exchange – Step One

### TracTime

The configuration of TracTime to exchange data with an accounting system is a simple, straightforward process.

### Example - JDEdwards

Many current customers transport the data into the AS-400 for eventual population into the F51901 file. From that point forward simply determine what data you wish to view.

## Data Collection – Step Two

Now that TracTime and JDEdwards are configured, data is collected in TracTime as part of the daily management process.

Once collected, TracTime is ready to exchange critical information to JDEdwards.

Please find a complete list of data available for exchange with accounting systems on the back.

## Value and Use of Data – Step Three

Our clients transport individual lot data into their accounting systems primarily to use:

- Auto Pay features
- Allow various departments to:
  - View projected lot starts
  - View projected lot completions
  - View projected closings
  - Track option cutoff projections

...and much more.

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info@TracTime.com  
www.TracTime.com

Voice—760.744.5700  
Fax —760.744.5868

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## TracTime Fields Available for Data Exchange

Project Name*	Activity Cost Code*	Lot Revision Date
Project manager	Activity Working Day*	Lot Hold Date
Field Manager	Activity Type	Lot Resume Date
Asst. Field Manager	Activity Description	Lot Workweek
Job Phone	Activity Milestone*	Lot Revision Entry Date
Project Manager	Activity Inspection*	Lot Revision Entered By
Contingency Buffer Days*	Activity Option*	Lot Revision Notes
	Activity Quality	NA Activities
Unit Number*	Activity Bank*	
Plan Number*	Activity Variance	Phase Revision Date
Unit Address*		Phase Hold Date
Unit Color Scheme*	Holidays	Phase Resume Date
Unit Permit Number*	Days Off	Phase Workweek
Buyer Name*	Delay Days	Phase Revision Entry Date
	Type of Delay	Phase Revision Entered By
	Delay Notes	Phase Revision Notes
Subcontractor Name*		
Subcontractor Contact*	Phase Start Date*	
Subcontractor Assistant	Lot Start Date*	<b>* Most commonly-used fields</b>
Subcontractor Address*		
Subcontractor Trade*		
Subcontractor Vendor Number*	Baseline Date	
Subcontractor Business Phone*	Scheduled Date	
Subcontractor Fax	Actual Date	
Subcontractor Mobile Phone	Projected Date	
Subcontractor Pager Number	Calendar Date	
Subcontractor Home Phone		
Subcontractor Email	Rate per Day*	
Subcontractor Web Address		
Subcontractor Capability		
Subcontractor Notes		
Subcontractor – 6 User-defined Fields		



**TracTime™**  
Accounting Integration

# Advanced Reporting

The screenshot displays the ReportBuilder application interface with several report windows open:

- Montellano - All Lots:** A detailed activity log for San Diego Division, listing activities like 'GROUP 2 Notification' and 'Underground plumbing inst.' with columns for dates and counts.
- Option Cutoff Sales Report:** A table showing project details, lot numbers, and option cutoff dates for various buildings.
- Closings by Quarter - 2002:** A summary table of closings by quarter (Q1-Q4) and year, including grand totals.
- All Units 5 or More Days Behind Schedule:** A table listing units that are significantly behind schedule, including project names, lot numbers, and dates.
- Joe's Closing Report - Next Month's Closings:** A detailed closing report for San Diego Division, listing project names, lot numbers, and planned closing dates.

The software interface includes a menu bar (File, Tools, Help), a toolbar with icons for New, Properties, Delete, Preview, Print, HTML, PDF, Custom, and View Log, and a sidebar with a tree view of report categories like Benchmark Report, Custom Report, Cycle Times Report, etc.

## Fast and Flexible

- Automatically e-mail, print & fax reports or post to the web
- Intuitive and interactive
- Customize reports per user
- Automate and save dynamic reports
- Prioritize work tasks
- Query outside databases

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TracTime™ ReportBuilder™

Microsoft  
GOLD CERTIFIED  
Partner

ISV/Software Solutions  
Mobility Solutions

**NSM NotificationBuilder**  
Actions Setup Help

Trigger Queue Groups Log

Description	Activity	Date/Time
✓ Start	Trigger	04/10/2003
✓ End	Trigger	04/10/2003
✓ Sending ---> Darrin Sprong ...	Mail	04/10/2003
✓ Acacia II - Phase 8 ----> Dr...	Report	04/10/2003
✓ Start	Trigger	04/10/2003
✓ End		
✓ Sending ---> Darrin Sprong ...		
✓ Acacia II - Phase 8 ----> Dr...		
✓ Start		
✓ End		
✓ Sending ---> Darrin Sprong ...		
✓ Acacia II - Phase 8 ----> Dr...		
✓ Start		
✓ End		

Ready

## Set it and Forget It

- Automatically print or send any report
- Deliver to e-mail, fax or post to the Web
- Trigger by time and event or changes
- Customize notifications to suppliers
- Queuing function for complete control
- Customizable “send to” contact list

**Notification Groups**

Select report(s):

Name

All Lots 5 Days or More Behind Schedule

All Projects Milestone Report

Joe's Closing Report - All Closings Next Month

Legacy Trails II

Change Trigger:

When:

Scheduled  Revision  Projected

When:

(Undefined)

Reports

Reports	Trigger	Contacts
Copy of Copy o...	Scheduled:0, ...	C. Adrian Silasi
New Report	{Week,Sun,06...	Garrett Co
Copy of Copy o...	Scheduled:0, ...	Eric Simon
Copy of New Re...	Scheduled:0, ...	Carl Hawse
Work Next Week	{Week,Sun,4:...	Bruce, C. A

Contacts for Notification Group:

Clay Johanson  
Donaldson Tom  
Dr. Robert Rider  
Eric Simon

Master Contact List:

- Aaphilp
- A-MICHTA
- APhilp
- B Hyder
- Bob Stratton
- Brigitte Zemmrch
- Bruce
- C. Adrian Silasi
- Carl Hawse
- Carol Dobbing
- Chris Jolley
- Clay Johanson
- Darrin Sprong
- Derek Slevin
- Dominic Shakeshaft
- Donaldson Tom
- Dr. Robert Rider

**Notification Groups**

Select Project:

Homecoming Release 1 FULL RELEASE

Activities

Activities	Seq	Cnt
Project Start		
Trench Foundation	1	
Order Lumber	2	
Form Foundation	3	
Ground Plumbing	4	2
Utility Risers	6	
Rebar	7	
Hardware	8	2
Footing / Plumbing Inspection	9	
Pour Footings	10	
Gravel	11	
Rebar matt	12	
Saturate Pad	13	

Contacts for Notification Group:

Clay Johanson  
Darrin Sprong  
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- Carol Dobbing
- Chris Jolley
- Clay Johanson
- Darrin Sprong
- Derek Slevin
- Dominic Shakeshaft
- Donaldson Tom
- Dr. Robert Rider
- Eric Simon
- Excel
- Garrett Collins
- Gary

Buttons: Clear All, Mark 'Unsent', Show All, Search, Copy, Paste, Import Contacts, Close

**TracTime™ NotificationBuilder™**





# Product Overview



## OnsiteBuilder

The central data creation and entry point for all TracTime products. Used by builders who build by phase or lot-by-lot. Allows the user to see all lots on 1 page. Revisions, weather delays, workweek changes, and placing lots on inventory hold are a snap with TracTime. Includes basic report groups such as Milestone, Option Cutoff, Delivery, Call Point, Projection and Efficiency reports. Also contains the unique "Catch Up" Report that tells you exactly what you have to do to get back on schedule and finish on time.



## RemoteBuilder

Software and interface that controls, logs and synchronizes to and from the office using either Windows CE handheld or PC based devices. Enables actual dates and delays to be entered on the jobsite and automatically transmits them to the office - and to trades! Now share options, punch-lists, homeowner walks and quality control information with everyone who needs it. Even print right on your own letterhead. A true synchronization system that handles simultaneous scheduling changes in the office and the field. The handheld devices offer complete portability. Field managers can enter data while walking the job, in the office or at home. PC based devices offer dozens of customizable reports.



## SubTrakker

Tracks contractor and supplier information and allows contractor-specific reporting. Coordinate all of the work of a specific contractor or supplier throughout your entire division. The unique leveling and pooling feature will tell you in advance of critical material or contractor capability issues. Also prioritizes the work flow for the contractor to tell him where to work today and what to do.



## ProgressPayBuilder

TracTime's accounting module that communicates with your existing accounting program. Sends all vital TracTime scheduling information directly to your accounting system which avoids double entry of information and possible data entry errors. Saves dozens of accounting hours per week determining the status of contractor and vendor invoices. Current accounting interfaces include JDEdwards, Timberline, McCosker and many more.

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ISV/Software Solutions  
Mobility Solutions



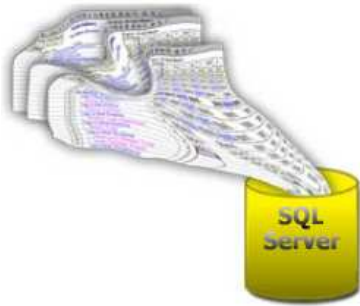
## ReportBuilder

TracTime's stand-alone report engine that generates hundreds of customized reports. Allows specific filtering of data for accurate targeted analysis. Reporting categories include To-Do Lists, Flash Reports, Cycle Time Reports, Contractor To-Do Lists, Summary Reports, and Calendars. All of which can be reorganized for the needs of each user. Create specific reports that provides the in depth information needed. View reports with data by Corporate Level, Region, Division, Community, or even by Lot.



## NotificationBuilder

ReportBuilder automatically runs any desired reports and sends them to your chosen recipients via printer, FAX, email or web posting. It's as easy as setting your alarm clock. Set it and forget it. Eliminates the need to continually run reports and deliver them through a complicated routing procedure. You can rest assured that everyone is receiving what they need and what they want accurately and on time. A must for the communication of critical information up and down the management ladder.



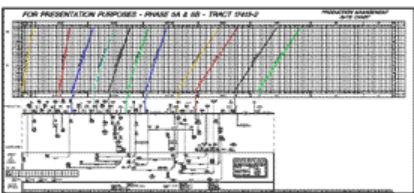
## DatabaseBuilder

TracTime uses a SQL Server 2005 database for our backend, allowing integration with other data stores on your network. SQL Server's extensible architecture and open interface makes the data available for queries from TracTime's ReportBuilder, our stand-alone reporting tool, and any report engine that is compatible with SQL.



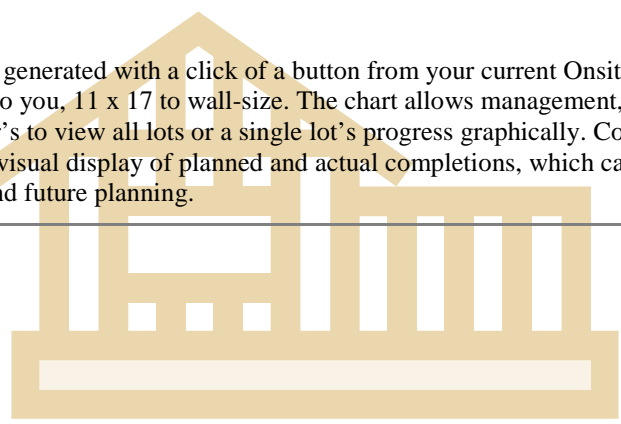
## ProjectBuilder

The finishing touch in communication between TracTime and your accounting program. This module generates TracTime schedules automatically from the information contained in your accounting system. As soon as a contract is entered into your accounting system or a lot is released, it is automatically entered into TracTime. Eliminates hours of work weekly and the need for double entry of construction data.



## ChartBuilder

This chart is quickly and easily generated with a click of a button from your current Onsite-Builder data and the size is up to you, 11 x 17 to wall-size. The chart allows management, field personnel and homeowner's to view all lots or a single lot's progress graphically. Colored milestone lines serve as a visual display of planned and actual completions, which can be used for historical backup and future planning.



# Return on Investment

## Problem Statement

Specific scheduling information from the construction sites must be transferred to the office for numerous reasons. Once construction starts, the construction status of each lot is the trigger point for multiple departments.

The typical method is to transfer construction status dates from the field via Fax or by handwritten sheets submitted by the superintendents. Then, any dates required by accounting, sales, customer service, etc. are entered into the various systems and reports by hand. Each time the data is entered by hand the possibility for human error increases.

This process uses valuable administrative time communicating with the field and other departments as well as the possibility of transposing dates. In many cases the same information involves a double or even triple-entry process, and the list goes on!

## What if You Ignore the Problem?

The construction continues on the lots no matter what! As it progresses, the superintendents enter the dates sporadically. The list of partial dates comes into the construction administration department and those dates are probably entered into a computer system of some type. Then, manual reports are created for other departments such as sales, options, accounting etc.

In addition, the superintendents usually come into the office to approve invoices and report the status of the job. These weekly meetings continue to develop into discussions about the job status versus problem-solving sessions. This unsolved diversion grows and expands into many wasted man-hours every week.

## We Deliver!

- 6 month break-even point
- Reduced administrative hours
- Cost-effective investment
- Time saving, easy field-reporting
- Turnkey installation

## Cost Benefit Analysis Summary

Number of Homes Built	Days Saved	Carry-Per-Day	Dollars Saved
8,0000	2.5	\$100.00	\$2,000,000.00
16,000	2.5	\$100.00	\$4,000,000.00

## We Deliver!

- Accurate control of a schedule for each lot, resulting in more accurate closing dates
- Availability to timely information from field to office
- Reduced administrative costs
- Superintendents ability to spend more time in the field
- Fewer warranty issues

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## TracTime™ Configuration for a Typical Division

OnsiteBuilder™  
 DatabaseBuilder™ & ProgressPayBuilder™ for JDEdwards  
 10 – Remote Sites  
 Remote/Server Integration  
 1 -Year Support

Remote Reporting and  
 Level 1 Accounting Integration

2 -Year Support Contracts

*\*Does not include customized integration.*

## TracTime™

### Return on Investment ...The Details

#### 2 Year Hours-Recaptured Summary (1 Division)

Construction Administrator	1752 Hours
10 Field Superintendents	5040 Hours
Accounting Data Entry	516 Hours
<b>Total Hours Recaptured Over 2 Years</b>	<b>7308 Hours</b>
<b>1 Division Return on Investment</b>	<b>\$242,120.00</b>
<b>Break-Even Point on Investment</b>	<b>5.62 Months</b>

#### In-House Construction Administrator (Assumes 17 Hours/Week Savings)

Average Time Savings per Month	73 Hours
Average Wage	\$20.00/Hour
Average Monthly Wages Recaptured	\$1,460.00
Average Yearly Hours Recaptured	876 Hours
<b>Average Hours Recaptured for 2 Years</b>	<b>1752 Hours</b>

#### Field Superintendent (Assumes 55 Minutes/Day Savings)

Average Time Savings per Month	21 Hours
Average Wage	\$31.00/Hour
Average Monthly Wages Recaptured	\$651.00
Average Yearly Hours Recaptured	252 Hours
Average Hours Recaptured for 2 Years	504 Hours
<b>X 10 Field Superintendents for 2 Years</b>	<b>5040 Hours</b>

Data was accumulated for TracTime from time studies conducted by four national homebuilders over a 2-year period.

#### Accounting Data Entry (Assumes 5 Hours/Week per Project)

Average Time Savings per Month	21.5 Hours
Average Wage	\$20.00/Hour
Average Monthly Wages Recaptured	\$430.00
Average Yearly Hours Recaptured	258 Hours
<b>Average Hours Recaptured for 2 Years</b>	<b>516 Hours</b>



# Trades and Suppliers

NSM - Traditions1.nsm

ABC Framing World Builders Project: The Views - Phase 2 - Tract 10028

Performance Report San Marcos Division

Cost Code	Day	Tag	Activity	Rate	Sch	Act	Var	Sch	Act	Var	Sch	Act	Var	Sch	Act	Var	Sch	Act	Var	Sch	Act	Var	
3000	15		Snap Lines, Plate & Detail	2	10/19	10/18	0	10/19	10/18	0	10/19	10/18	-1	10/20	10/18	-1	10/20	10/18	-1	10/20	10/18	-2	10/21
3001	16	M	Raise 1st Floor Walls	2	10/19	10/20	+1	10/19	10/18	-1	10/20	10/19	-1	10/21	10/19	-1	10/21	10/21	0	10/24	10/21	0	10/24
3001	17		Raise 1st Floor Walls	2	10/20	10/20	0	10/20	10/20	0	10/21	10/21	0	10/21	10/24	-2	10/24	10/24	0	10/24	10/25	-1	10/25
3002	18		Plumb, Line & Set Beams	2	10/21	10/24	-1	10/21	10/24	-1	10/24	10/24	0	10/24	10/25	-1	10/25	10/26	-1	10/26	10/26	-1	10/26
3003	19		Joist	2	10/24	10/25	-1	10/24	10/26	-2	10/25	10/27	-2	10/25	10/27	-2	10/26	10/26	-2	10/26	10/27	-3	10/27
3005	21		Sheet & Nail Sub Floor	2	10/25	10/25	0	10/25	10/25	0	10/26	10/26	0	10/27	10/27	0	10/27	10/27	0	10/27	10/28	0	10/28
3010	23		Plate & Detail 2nd Floor	2	10/28	10/28	0	10/28	10/28	0	10/28	10/28	0	10/28	10/28	0	10/28	10/28	0	10/28	10/28	0	10/28
3011	23		Stock Trusses	2	10/31	10/31	0	10/31	10/31	0	10/31	10/31	0	10/31	10/31	0	10/31	10/31	0	10/31	10/31	0	10/31
3012	24	M	Raise 2nd Floor Walls	2	11/01	11/03	-2	11/01	11/02	-1	11/02	11/04	-2	11/02	11/04	-2	11/03	11/07	-2	11/03	11/07	-2	11/04
3013	25		Plumb & line 2nd Floor	2	11/02	11/02	0	11/03	11/03	0	11/03	11/04	-1	11/04	11/04	0	11/04	11/04	0	11/04	11/07	0	11/07
3014	26		Set Beams	2	11/03	11/03	0	11/04	11/04	0	11/04	11/04	0	11/07	11/07	0	11/07	11/07	0	11/08	11/08	0	11/08
3017	27		Roll Trusses & California Fill-in	2	11/04	11/04	0	11/07	11/07	0	11/07	11/08	-1	11/08	11/08	0	11/08	11/08	0	11/08	11/09	0	11/09
3020	28		Fascia & Starterboard	2	11/07	11/07	0	11/08	11/08	0	11/08	11/08	0	11/09	11/09	0	11/09	11/09	0	11/09	11/10	0	11/10
3406	28		Plant Shelves & pop-outs	2	11/07	11/07	0	11/08	11/08	0	11/08	11/11	-3	11/09	11/11	-2	11/09	11/11	-2	11/09	11/11	-2	11/11
3030	29		Roof Sheeting & Nail	2	11/08	11/08	0	11/09	11/10	-2	11/09	11/10	-1	11/09	11/10	-1	11/10	11/10	0	11/10	11/10	0	11/10
3040	30		Framing Pick-up	2	11/17	11/17	0	11/18	11/18	0	11/18	11/18	0	11/21	11/21	0	11/21	11/21	0	11/21	11/21	0	11/21
4000	30		Split Windows	2	11/17	11/17	0	11/18	11/18	0	11/18	11/18	0	11/21	11/21	0	11/21	11/21	0	11/21	11/21	0	11/21
3100	31		Framing Pick-up	2	11/18	11/18	0	11/18	11/18	0	11/21	11/21	-3	11/21	11/21	-8	11/21	11/21	-8	11/21	11/21	-8	11/21
Total Variance																							
Activity Days Tracked					1	2	3	4	5														
From: October 18, 2002				Average Variance				Sanctioned Dela															
To: November 23, 2003				-5.62				2															

## It's Informative and Powerful

- Rate contractors and suppliers
- Track all orders and deliveries
- Forecast work by trade
- Leveling and pooling of trades

Subcontractor Assignments

Cost code: 9460

Lot Number	Company	Trade	Phone	Mobile	Fax	E-mail
<input type="checkbox"/>	0200	GE Direct - San Anto...	Appliances	(800) 787-6...		(800) 787-6...
<input type="checkbox"/>	0214	GE Direct - San Anto...	Appliances	(800) 787-6...		(800) 787-6...
<input type="checkbox"/>	0216	GE Direct - San Anto...	Appliances	(800) 787-6...		(800) 787-6...
<input type="checkbox"/>	0224	GE Direct - San Anto...	Appliances	(800) 787-6...		(800) 787-6...
<input type="checkbox"/>	0234	GE Direct - San Anto...	Appliances	(800) 787-6...		(800) 787-6...

Unassign Assign Select All Deselect All

Company	Trade	Phone	Mobile	Fax	E-mail
Arrowwood Cabinet...	Cabinets	(210) 344-4...		(210) 309-9...	
Artistic Counters, Inc.	Countertops	(210) 599-3...		(210) 599-3...	
Best Countertops	Countertops	(210) 225-2...		(210) 225-2...	
Big Tex A/C Inc.	HVAC	(210) 647-3...		(210) 647-7...	
Cool Insulation of Sa...	Insulation	(210) 256-7...		(210) 957-0...	
Dan's Glass	Windows	(210) 649-2...			
Fisher Aluminum Win...	Windows	(210) 534-0...			
Fisher Lumber Suppl...	Lumber	(210) 698-1...			

## It's Intelligent

TracTime will not only tell the contractor what task to do, but what project and lots to go to!

Prioritized Framing Schedule

San Diego Division - ABC Framing

Phase	Projected	Activity Description	Lot	Plan
Cupertino Phase 1 - 2 story duplex - 12 Units (continued)				
•	2/1/02	Building Pad Presaturation	23	2B
•	2/1/02	Building Pad Presaturation	24	3B
•	2/1/02	Building Pad Presaturation	25	3A
•	2/1/02	Building Pad Presaturation	26	1A
•	2/1/02	Building Pad Presaturation	27	2B
•	2/1/02	Building Pad Presaturation	28	3B
•	2/1/02	Building Pad Presaturation	29	1A
•	2/1/02	Building Pad Presaturation	30	3A
•	2/1/02	Building Pad Presaturation	31	3B
•	2/1/02	Building Pad Presaturation	32	2B

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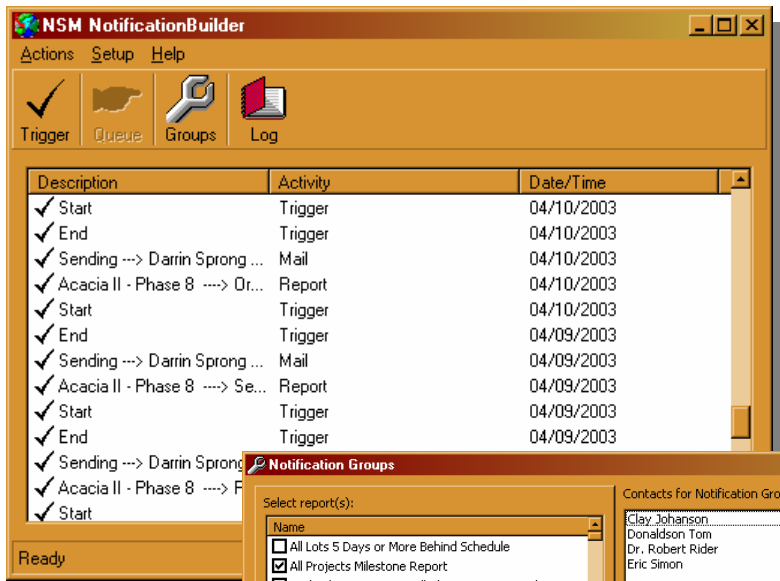
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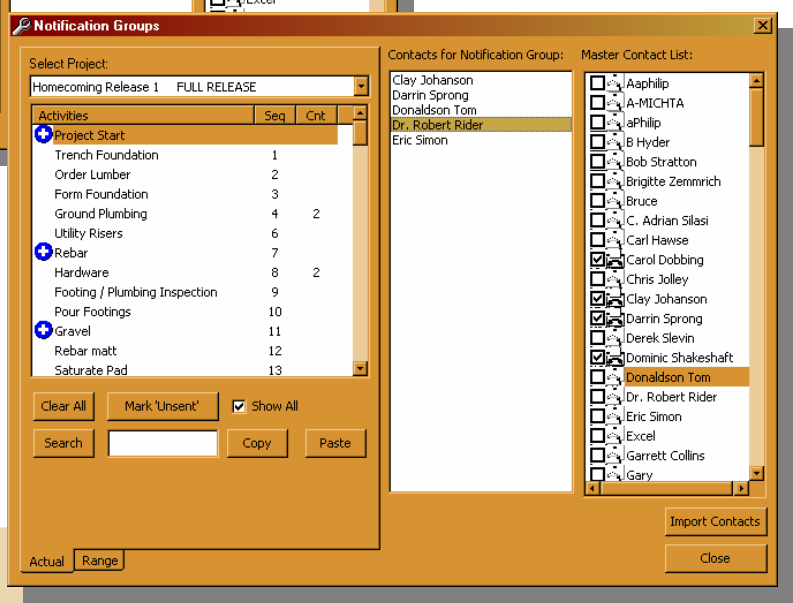
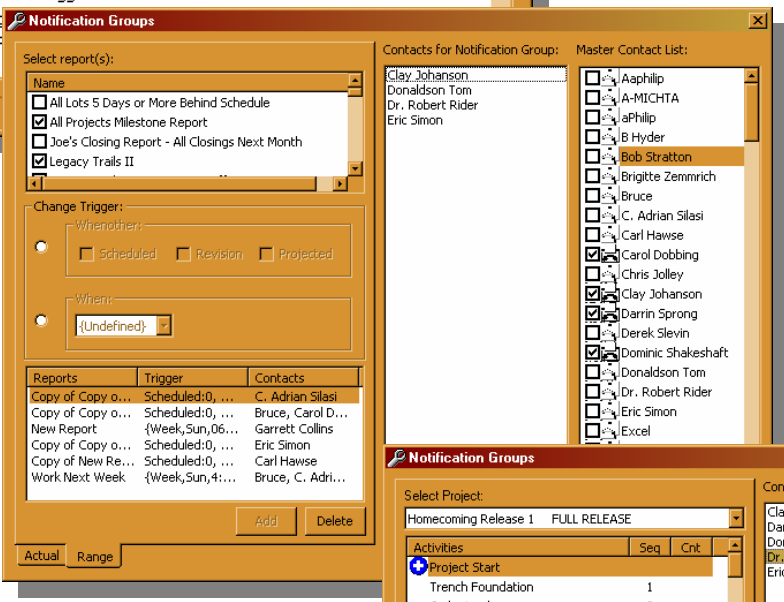
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Mobility Solutions



### Set It and Forget It

- Automatically print or send any report
- Deliver to e-mail, fax or post to the Web
- Trigger by time and event or changes
- Customize notifications to suppliers
- Queuing function for complete control
- Customizable “send to” contact list



# Customer Comments

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Just a note to let you know how easy this program is and how much I like this program. I got everything entered over the holidays and just had a few questions which Michael answered this morning when he called. I cannot stress enough how much easier this will be for me and all the guys in the field. Thank you again to everyone at NSM."

**Ryland Homes**  
Linda Steinfeldt, Construction Administrator



"I had to shoot you a note to tell you how smooth this project is going for our division. I think we are off to a great start! You are doing a great job. Congratulations on a job well done."

**Shea Homes for Active Adults**  
Alex Baird, Process Improvement Manager



"Working pretty good so far.....I think the e-mail function really helped as the tractime coordinators are informed on a daily basis rather than when I decide to format the log and send it out on a weekly basis." (With reference to our DatabaseBuilder communicating and error handling between Corporate and multiple divisions.)

**DR Horton**  
Sri Arumugam, Director of Information Technology



John Laing Homes

"Thank you Steve for all your hard work and please send my appreciation to your team at Schedule Masters, Thanks again and I look forward to seeing soon."

**John Laing Homes**  
Rich Nelson, V.P. of Operations

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William Lyon Homes

YOU GUYS ROCK! I came in this morning and tested it out and messed with it a little, did a server and PDA reset, etc and now it works!!!! Yea!!!! Thanks so much for your patience and diligence!

**William Lyon Homes, Inc.**  
Shelly Perez, Business Analyst



"Karen, Mahalo for all your help and support in getting us started on tractime!! We love this system it helps keep management closer together and keeps the information flowing !!! Again Mahalo and Aloha to you all!!!!"

**Schuler Homes, Hawaii**  
Michael Freedman, Field Manager



"I just wanted to thank you for all your help and your patience with me - I'm sure I have been a major pain. Everything is working great!"

**Pacific Coast Communities**  
Shawn Peterson, Construction Administrator



Just want to send you a quick note to compliment you on your team. Steve was here today and did a great job training my guys, and working with your office to get everything done. Mike did a great job behind the scenes as well. It is a pleasure working with your team. THANKS.

**Crestwood Communities**  
Terry Kent, Vice President of Construction



"For the past several years I have had the pleasure of using construction schedules provided by National Schedule Masters. This (TracTime) allows each person who needs to know a job status to view a "picture" of the entire tract progress. We are now talking the same language and this makes life much simpler for me. (TracTime)...has proven itself in saving construction time without sacrificing quality..."

**Centex Homes**  
Rich Worthington, Vice President of Construction

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